LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (DPR / S.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 10 | DAY 18
RIG NO. 58
FUEL @ 06:00 HRS: RIG 90 | BOILER
WEATHER: TEMPERATURE -3 | CURRENT CONDITIONS Clear | WIND DIRECTION CALM | ROAD CONDITION Good

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	177.8						816	6.80	2566

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2	108	156	4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3	101	165	4.5IF	170	F-1000	EMSCO	254
DP	127	74.35	HWDP	65	165	4.5IF	17			

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051018_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN.						4.5	0.25				3.25															
DAY																										
EVE																										
TOTAL						4.50	0.25				3.25															
TOTALS						8.00										8.00										

SHALE SHAKER(S): NO. 2 | TYPE Derrick FLC | TYPE Derrick FLC | SCREENS CHANGED | NEW/USED
TOP 140 | 84 TOP
MIDDLE 140 | 84 MIDDLE
BOTTOM 140 | 84 BOTTOM

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	202	749	
ACCUM MJ	11191		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	0		
TOTAL TOP DRIVE HRS	402.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	18
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER: GARY PATRICK		RIG NO. 58	
PROVINCE: N.W.T.	CAMP X YES ☐ NO	RIG SAFETY DAYS 2756	

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	19	
1	BIT SUB	124	.91
18	89mm Drill pipe	89	174.36
1	X.O.	123	.75
1	JAR		4.01
1	X.O.	121	.61
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
25	D.P.	STANDS	716.15
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		3059.00
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT NO. 6-B | SIZE 156 | IADC CODE 5 3 7 | MANUFACTURER SMITH | TYPE XR30-T5 | SERIAL NO. PC2628 | JETS OPEN | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN mHR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MORNING TOUR — MUD RECORD

MUD TYPE GEL | WATER BASED X | OIL BASED ☐
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH | PVT,m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
0 | | | |
HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
0 | | | |

BOILERS: 1 | 2
HRS RUN 8 | HRS RUN 0
BOILER pH 12 | BOILER pH
STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
127 | | 127 |

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	215	2.25	11	Pull Out Of Hole & Laydown Logging Tools
215	230	0.25	7	Rig Service, Function Test Remote Choke
230	330	1.00	11	Laydown Logging Tools
330	800	4.50	6	Make Up Bit & Trip In Hole
				Trip Record Cal. = 15.58m3
				meas. = 20.34m3
				diff. = 4.76m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
BOILER BLOW DOWN -3X
REVIEWED JSA # G-24 CIRCULATING, G-6 FUEL CREW TRUCK, D-9 OPERATE DOG COLLAR

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: TRIPPING | MEHL | MACP: 18496

RATE SCHEDULE | X | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS: 2756

DRIVERS: KEVIN VANDENBRAND | SHAWN WATSON

MORNING TOUR — INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND	10		KV
DERRICK HAND		SHAWN WATSON	10		SW
MOTOR HAND		GREG ST.ARNAUD	10		GS
FLOOR HAND		JUSTIN MILLER	10		JM
FLOOR HAND		DAVID FRANKLIN	10		DF
LEASE HAND		COREY COLBOURNE	10		CC

DAY TOUR — MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2
HRS RUN 0 | HRS RUN 0
BOILER pH | BOILER pH
STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
127 | | 127 |

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS: 2756

DRIVERS

DAY TOUR — INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ALLAN LICKOCH			
ASSIST DRILLER		KEVIN LAUCK			
DERRICK HAND		VIRGIL NANAQUAWETUNG			
MOTOR HAND		DERWIN KOTCHEA			
FLOOR HAND		MOISE PUNCH			
FLOOR HAND		SEAN WOLOSCH			
LEASE HAND		BRIAN JULIAN			

EVENING TOUR — MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2
HRS RUN 4 | HRS RUN 0
BOILER pH | BOILER pH
STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
127 | | 127 |

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS: 2756

DRIVERS: KEVIN VANDENBRAND | SHAWN WATSON

EVENING TOUR — INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND			
DERRICK HAND		SHAWN WATSON			
MOTOR HAND		GREG ST.ARNAUD			
FLOOR HAND		JUSTIN MILLER			
FLOOR HAND		DAVID FRANKLIN			
LEASE HAND		COREY COLBOURNE			

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection	AI	GP
(2.) Detailed Inspection - Weekly (Using Check List)	AI	GP
(3.) H2S Signs Posted if Required	AI	GP
(4.) Well Licence & Stick Diagram Posted	AI	GP
(5.) Flare Lines Slinked	AI	GP
(6.) BOP Drills Performed	AI	GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	AI	GP
(1.) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		GP
(5.) Motor Kills Checked		GP

YEAR 2005 | MONTH 10 | DAY 17

RIG NO. 58 | FUEL @ 08:00 HRS: RIG 118 | BOILER

WEATHER: TEMPERATURE -3 | CURRENT CONDITIONS Clear | WIND DIRECTION CALM | ROAD CONDITION Good

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
LAST CASING TUBING OR LINER	177.8						816	6.80	2566

	OD DP	DC / DP SIZE	MASS	GRADE	MIN/MUM I.D.	T..INT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2	108	156	4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3	101	165	4.5IF	170	F-1000	EMSCO	254
	DP	127	74.35	HWDP	65	165	4.5IF	17			

SPUD DATE 2005/08/12 | TIME 00:15
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 | OP FUEL
CONTRACTOR'S JOB NUM 05-21883
TOUR SHEET SERIAL NUM AKTA58_20051017_1C
VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

CODE NO. 1 RIGUP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OFF DRILL LINE | 10 DEV. SURVEY | 11 WIRELINE LOGS | 12 RUN CSG & CEMENT | 13 WAIT ON CEMENT | 14 NIPPLE UP B.O.P. | 15 TEST B.O.P. | 16 DRILLSTEM TEST | 17 PLUG BACK | 18 SQUEEZE CEMENT | 19 FISHING | 20 DIR. WORK | 21 SAFETY MEETING | 22 | 23 | 24 | 25 | 26

HOURS	MORN	DAY	EVE	TOTAL
MORN				
DAY				
EVE				
TOTAL	0.25		23.25	0.50
		7.75		
		7.75	0.25	
		7.75	0.25	

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC	TOTAL MJ	202	749	
8.00	SCREENS CHANGED NO	NEW/ USED NEW	ACCUM MJ	11191	
8.00	TOP 140	TOP 84	ACCUM OIL LEVEL	31	
24.00	MIDDLE 140	MIDDLE 84	TOP DRIVE HRS	0	
	BOTTOM 140	BOTTOM 84	TOTAL TOP DRIVE HRS	402.5	

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 10 | DAY 17
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER GARY PATRICK | RIG NO. 58
PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2755

MORNING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	PCL TOOLS		29.30
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
1	SIDE ENTRY SUB	127	98
25	D.P. STANDS		716.15
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		3082.81
	WT. OF D.C. 57		
	WT. OF STRING 97		

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MOC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE GEL | WATER BASED X | OIL BASED
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH | PVT.m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 8 | BOILER pH 11.0 | STACK TEMP — 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 127 | SPM | PUMP NO. 2 LINER SIZE 127 | SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	7	Rig Service - Function Test Upper Pipe Rams 6 sec/cls
15	100	0.75	11	Rig In Side Entry Sub & Run In Wireline To Latch
100	800	7.00	11	Log Down F/ 2566m (log run # 2 HEXDIP-CBIL-GR)

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
BOILER BLOW DOWN 3-X
REVIEWED JSA # G-34 TOOLPUSH LOGGING, G-10 DRIVING CREW TRUCK

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: LOG ON DRILL PIPE | MEHL | MACP: 184976

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2755

DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		DAVID FRANKLIN	8			DF
LEASE HAND		COREY COLBOURNE	8			CC

INJURIES

DAY TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	PCL TOOLS		29.30
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
1	SIDE ENTRY SUB	127	98
25	D.P. STANDS		716.15
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		3082.81
	WT. OF D.C. 57		
	WT. OF STRING 97		

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MOC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE | WATER BASED X | OIL BASED
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT
BARITE | 42 | SX

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 | BOILER pH | STACK TEMP — 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 127 | SPM | PUMP NO. 2 LINER SIZE 127 | SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED: FROM 3620 | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	0815	0.25	21	Pre-Tour Safety Meeting
0815	1145	3.50	11	Log Down to 3577m With Run #2 HEXDIP-CBIL-GR
1145	1600	4.25	11	Log up f/3577m to 3163m
1600				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA B-3 Steam Use

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: TLC Logging | MEHL | MACP: 18496

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2755

DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		SEAN WOLOSCH	12			SW
LEASE HAND		BRIAN JULIAN	12			BJ

INJURIES

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	PCL TOOLS		29.30
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
1	SIDE ENTRY SUB	127	98
25	D.P. STANDS		716.15
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		3082.81
	WT. OF D.C. 57		
	WT. OF STRING 97		

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MOC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE GEL | WATER BASED X | OIL BASED
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH | PVT.m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 4 | BOILER pH 12 | STACK TEMP — 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 127 | SPM | PUMP NO. 2 LINER SIZE 127 | SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1900	3.00	11	Log Up f/3163m to 2789m
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2045	1.50	11	Log Up f/ 2789m to 2566m
2045	2215	1.50	11	Unlatch Wireline, Pull Wireline & Rig Out Truck
2215	2400	1.75	11	Pull Out Of Hole To Laydown Logging Tools

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
BOILER BLOW DOWN - 3X
REVIEWED JSA # A-5 CLIMBING DERRICK

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: CLIMBING DERRICK | MEHL | MACP: 18496

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2755

DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		DAVID FRANKLIN	4			DF
LEASE HAND		COREY COLBOURNE	4			CC

INJURIES

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R M)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Uselg Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Slsked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 MONTH 10 DAY 17
RIG NO. 58
FUEL @ 08:00 HRS
RIG 118 BOILER

WEATHER
TEMPERATURE -3
CURRENT CONDITIONS Cloudy /Snow
WIND DIRECTION N.E.
ROAD CONDITION Good

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	OD/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
		127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE:	2005/08/12
RIG RELEASE:	
WELL TYPE:	DIR.
OPERATOR'S AFE:	
KELLY BSHG:	6.8
CONTRACTOR'S JOB NUM:	05-21883
TOUR SHEET SERIAL NUM:	AKTA58_20051017_1B
VENDOR SOFTWARE VERSION:	EDR_3-1-4_HF2 ETS 2.2

TIME: 00:15 | TIME: | RE-ENTRY: YES | OP FUEL:

CAODC

PASON

HOURS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN							0.25				7.75															
DAY																										
EVE																										
TOTAL							0.25				7.75															

TOTALS 8.00 / 8.00

SHALE SHAKER(S)
NO. 2 | TYPE Derrick FLC | TYPE Derrick FLC
SCREENS CHANGED | NEW / USED
TOP 140 / 140 | TOP 84 / 84
MIDDLE 140 / 140 | MIDDLE 84 / 84
BOTTOM 140 / 140 | BOTTOM 84 / 84

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	199	288	
ACCUM MJ	7730		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	0		
TOTAL TOP DRIVE HRS	402.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	17

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
GARY PATRICK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2755

MORNING TOUR

FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND	8		KV
DERRICK HAND		SHAWN WATSON	8		SW
MOTOR HAND		GREG ST.ARNAUD	8		GS
FLOOR HAND		JUSTIN MILLER	8		JM
FLOOR HAND		DAVID FRANKLIN	8		DF
LEASE HAND		COREY COLBOURNE	8		CC

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2755

DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

DAY TOUR

FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ALLAN LICKOCH			
ASSIST DRILLER		KEVIN LAUCK			
DERRICK HAND		VIRGIL NANAQUAWETUNG			
MOTOR HAND		DERWIN KOTCHEA			
FLOOR HAND		MOISE PUNCH			
FLOOR HAND		SEAN WOLOSCH			
LEASE HAND		BRIAN JULIAN			

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2755

DRIVERS:

EVENING TOUR

FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND			
DERRICK HAND		SHAWN WATSON			
MOTOR HAND		GREG ST.ARNAUD			
FLOOR HAND		JUSTIN MILLER			
FLOOR HAND		DAVID FRANKLIN			
LEASE HAND		COREY COLBOURNE			

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2755

DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
	PCL TOOLS		29.30
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
1	SIDE ENTRY SUB	127	.98
4	D.P. STANDS		114.71
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2481.37
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD
BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | TO | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD
MUD TYPE: GEL | WATER BASED: X | OIL BASED:
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH | PVT,m3

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL
CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	7	Rig Service - Function Test Upper Pipe Rams 6 sec/cls
15	100	0.75	11	Rig In Side Entry Sub & Run In Wireline To Latch
100	800	7.00	11	Log Down F/ 2566m (log run # 2 HEXDIP-CBIL-GR)

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
BOILER BLOW DOWN 3-X
REVIEWED JSA # G-34 TOOLPUSH LOGGING, G-10 DRIVING CREW TRUCK

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
LOG ON DRILL PIPE		184976

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD
BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | TO | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD
MUD TYPE: | WATER BASED: | OIL BASED:
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL
CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD
BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | TO | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD
MUD TYPE: | WATER BASED: | OIL BASED:
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL
CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	4	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	QPR	R.M.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (one/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 | MONTH 10 | DAY 16

RIG NO. 58

FUEL @ 08:00 HRS

RIG 141 | BOILER

WEATHER: TEMPERATURE -3; CURRENT CONDITIONS Cloudy Snow; WIND DIRECTION N.E.; ROAD CONDITION Good

LAST CASING TUBING OR LINER

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	SPUD DATE	2005/08/12	TIME	00:15
	RIG RELEASE		TIME	
	WELL TYPE	DIR.	RE-ENTRY	YES
	OPERATOR'S AFE			
	KELLY BSHG	6.8	DP FUEL	
	CONTRACTOR'S JOB NUM	05-21883		
	TOUR SHEET SERIAL NUM	AKTA58_20051016_1C		
	VENDOR SOFTWARE VERSION	EDR 3-1-4_HF2 ETS 2.2		

CAODC

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN					1.0		0.25				6.75															
DAY						4.0					3.75										0.25					
EVE					0.75						7.0										0.25					
TOTAL					1.75	4.00	0.25				17.50										0.50					

TOTALS	SHALE SHAKER(S) NO.	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
8.00		Derrick FLC	TOTAL MJ	199	288	
8.00	SCREENS CHANGED NO	NEW USED NEW	ACCUM MJ	7730		
8.00	TOP 140 / 84	TOP	ACCUM OIL LEVEL	31		
8.00	MIDDLE 140 / 84	MIDDLE	TOP DRIVE HRS	0		
24.00	BOTTOM 140 / 84	BOTTOM	TOTAL TOP DRIVE HRS	402.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	16

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
GARY PATRICK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2754

MORNING TOUR

FROM 0 TO 800

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	PCL TOOLS		48.51
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
1	SIDE ENTRY SUB	127	.98
4	D.P. STANDS		114.71
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2500.58
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE GEL | WATER BASED X | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH | PVT,m3

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	10.5	BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED @ / @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	300	3.00	11	Run In With Run # 1 Logs On Drill Pipe
300	400	1.00	5	Break Circulation & Circulate
400	415	0.25	7	Rig Service, Function Test HCR Valve,
415	530	1.25	11	Rig In Side Entry Sub & Run In Wireline To Latch
530	600	0.50	11	Test Logging Tools
600	800	2.00	11	Run In Hole to 2950m to Log Up

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
BOILER BLOW DOWN - 3X
REVIEWED JSA # D-6 TRIP IN HOLE

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
TRIPPING		18496

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		DAVID FRANKLIN	8			DF
LEASE HAND		COREY COLBOURNE	8			CC

INJURIES

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2754

DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

DAY TOUR

FROM 800 TO 1600

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	PCL TOOLS		48.51
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
1	SIDE ENTRY SUB	127	.98
4	D.P. STANDS		114.71
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2500.58
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	42	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3620				

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED @ / @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	0815	0.25	21	Pre-Tour Safety
0815	1045	2.50	11	Log Up From 2930m to 2450m w/Run #2 XMDC-HDIL-ZDL-CN-GR-SI
1045	1200	1.25	11	Unlatch Wet Connect & Pull Out Wireline
1200	1600	4.00	6	Trip Out Of Hole/flow check @ 5stds.,20stds.,hwdp & out of hole
1600				

NOTES: Checked; Crown saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-34 TLC Logging

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
TLC Logging		18469

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		SEAN WOLOSCH	12			SW
LEASE HAND		BRIAN JULIAN	12			BJ

INJURIES

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2754

DRIVERS

EVENING TOUR

FROM 1600 TO 2400

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	PCL TOOLS		29.30
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
1	SIDE ENTRY SUB	127	.98
4	D.P. STANDS		114.71
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2481.37
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE GEL | WATER BASED X | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH | PVT,m3

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	4	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
4095	127	127	70

REDUCED PUMP SPEED @ / @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1800	2.00	11	Lay Down Logging Tools
1800	1900	1.00	11	Pick Up New Logging Tools - HEXDIP-CBIL-GR
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2245	3.50	11	Run In With Logs On Drill Pipe
2245	2330	0.75	5	Break Circulation & Circulate
2330	2400	0.50	11	Rig In Side Entry Sub & Run Wireline In To Latch

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
BOILER BLOW DOWN - 3X
REVIEWED JSA # D-36 RIG UP & RUN WIRELINE TOOLS, D-10 OPERATE PIPE SPINNER

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
WIRELINE		18469

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		DAVID FRANKLIN	4			DF
LEASE HAND		COREY COLBOURNE	4			CC

INJURIES

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2754

DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

LICENCE NO. **1125** | WELL NAME & NO. **PARAMOUNT ET AL LIARD K-29A**

OPERATOR **PARAMOUNT RESOURCES LTD.** | CONTRACTOR NAME **AKITA DRILLING LTD.**

SURFACE LOCATION | UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE | SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (once/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	O	P	R	M

WEATHER

YEAR 2005 | MONTH 10 | DAY 16

RIG NO. 58

FUEL @ 08:00 HRS

RIG 141 | BOILER

TEMPERATURE -3

CURRENT CONDITIONS Cloudy /Snow

WIND DIRECTION N.E.

ROAD CONDITION Good

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051016_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

CODE NO.

	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN					1.0		0.25				6.75															
DAY																										
EVE																										
TOTAL					1.00		0.25				6.75															

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	193	637	
	SCREENS CHANGED NO	NEW/USED NEW	ACCUM MJ	2080		
	TOP 140	TOP 84	ACCUM OIL LEVEL	31		
	MIDDLE 140	MIDDLE 84	TOP DRIVE HRS	0		
8.00	BOTTOM 140	BOTTOM 84	TOTAL TOP DRIVE HRS	402.5		

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
	PCL TOOLS		48.51
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
1	SIDE ENTRY SUB	127	.98
4	D.P. STANDS		114.71
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2500.58
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MORNING TOUR — MUD TYPE GEL | WATER BASED X | OIL BASED

MUD RECORD

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH | PVT.m3

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	10.5	BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	300	3.00	11	Run In With Run # 1 Logs On Drill Pipe
300	400	1.00	5	Break Circulation & Circulate
400	415	0.25	7	Rig Service, Function Test HCR Valve,
415	530	1.25	11	Rig In Side Entry Sub & Run In Wireline To Latch
530	600	0.50	11	Test Logging Tools
600	800	2.00	11	Run In Hole to 2950m to Log Up

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
BOILER BLOW DOWN - 3X
REVIEWED JSA # D-6 TRIP IN HOLE

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	TRIPPING		18496

DRILLING CREW PAYROLL DATA

WELL NAME & NO. **PARAMOUNT ET AL LIARD K-29A** | YEAR **2005** | MONTH **10** | DAY **16**

OPERATOR **PARAMOUNT RESOURCES LTD.** | CONTRACTOR NAME **AKITA DRILLING LTD.**

RIG MANAGER **GARY PATRICK** | RIG NO. **58**

PROVINCE **N.W.T.** | CAMP X YES | NO | RIG SAFETY DAYS **2754**

MORNING TOUR FROM **0** TO **800**

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		DAVID FRANKLIN	8			DF
LEASE HAND		COREY COLBOURNE	8			CC

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS **2754** | DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

DAY TOUR FROM **800** TO **1600**

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		ALLAN LICKOCH				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		VIRGIL NANAQUAWETUNG				
MOTOR HAND		DERWIN KOTCHEA				
FLOOR HAND		MOISE PUNCH				
FLOOR HAND		SEAN WOLOSCH				
LEASE HAND		BRIAN JULIAN				

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS **2754** | DRIVERS

EVENING TOUR FROM **1600** TO **2400**

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		DAVID FRANKLIN				
LEASE HAND		COREY COLBOURNE				

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS **2754** | DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
AL IRONSIDE	GARY PATRICK

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection — AI / GP
(2.) Detailed Inspection - Weekly (Using Check List) — AI / GP
(3.) H2S Signs Posted if Required — AI / GP
(4.) Well Licence & Stick Diagram Posted — AI / GP
(5.) Flare Lines Staked — AI / GP
(6.) BOP Drills Performed — AI / GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines — AI / GP
(1.) Rig Site Health & Safety Meeting (one/crew/month) — GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month) — GP
(3.) Mast Inspection before Raising or Lowering — GP
(4.) Crown Saver Checked — GP
(5.) Motor Kills Checked — GP

YEAR 2005 | MONTH 10 | DAY 15
RIG NO. 58
FUEL @ 08:00 HRS
RIG 166 | BOILER

WEATHER: TEMPERATURE -3 | CURRENT CONDITIONS Cloudy (Snow) | WIND DIRECTION N.E. | ROAD CONDITION Good

LAST CASING/ TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/ DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051015_1E		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC — PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 Wait on orders	23	24	25	26	TOTALS
MORN									1.0		6.0											1.0				8.00
DAY						2.75					5.0										0.25					8.00
EVE											7.75										0.25					8.00
TOTAL						2.75			1.00		18.75										0.50	1.00				24.00

SHALE SHAKER(S)
NO. 2 | TYPE Derrick FLC | TYPE Derrick FLC
SCREENS CHANGED | NEWLY USED

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	190	710	
ACCUM MJ	18808		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	0		
TOTAL TOP DRIVE HRS	402.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	15

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
GARY PATRICK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2753

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
	PCL TOOLS		48.51
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
35	89mm H.W.D.P.	89	328.35
1	X.O.	89	.53
1	SIDE ENTRY	89	1.36
1	X.O.	89	.55
1	89mm HWDP	89	9.3
1	X.O.		.44
15	H.W.D.P.	127	141.20
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2387.33
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD
BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG: 5 - UP
TORQUE AT BOTTOM: 0
FILL ON BOTTOM (m): 0

MORNING TOUR — MUD RECORD
MUD TYPE: GEL | WATER BASED: X | OIL BASED:
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH
PVT,m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	10.5	BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	11	Log Up f/ 2900m to 2851m
15	145	1.50	11	Work On Logging Tools, Tools Failed
145	345	2.00	11	Pull Out To Side Entry Sub
345	600	2.25	11	Wireline Is Kinked By Side Entry Sub, (Trouble Shoot)
600				Pull Out Wireline & Laydown Side Entry Sub
600	0700	1.00	22	Wait On Orders
0700	800	1.00	9	Slip & Cut Drill Line

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # B-1 BOILER BLOW DOWN, B-3 STEAM USE
BOILER BLOW DOWN 3X

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
BOILER BLOW DOWN		18496

MORNING TOUR — CREW

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		DAVID FRANKLIN	8			DF
LEASE HAND		COREY COLBOURNE	8			CC

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2753
DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
	PCL TOOLS		48.51
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2384.89
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD
BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

DAY TOUR — MUD RECORD
MUD TYPE: Gel chem | WATER BASED: X | OIL BASED:
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	10.5	BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	0815	0.25	21	Pre-Tour Safety Meeting
0815	1100	2.75	6	Trip Out Of Hole/flow check @ 43stds/Out Of Hole
1100	1600	5.00	11	Trouble Shoot Problem With Logging Tools

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-5 P.O.O.H./H-S Confined Space Entry to Clean Mud Tanks

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Clean Mud Tanks		18496

DAY TOUR — CREW

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		SEAN WOLOSCH	12			SW
LEASE HAND		BRIAN JULIAN	12			BJ

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2753
DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
	PCL TOOLS		48.51
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2384.89
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD
BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

EVENING TOUR — MUD RECORD
MUD TYPE: GEL | WATER BASED: X | OIL BASED:
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH
PVT,m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1900	3.00	11	Trouble Shoot Problem With Logging Tools
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2230	3.25	11	Trouble Shoot Problem With Logging Tools
2230	2330	1.00	11	Tools Working, Rig Up To Run In Hole
2330	2400	0.50	11	Trip In Hole With Logs

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # B-1 STEAM USE
BOILER BLOW DOWN - 3X

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
TRIPPING		18496

EVENING TOUR — CREW

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		DAVID FRANKLIN	4			DF
LEASE HAND		COREY COLBOURNE	4			CC

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2753
DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 MONTH 10 DAY 15
RIG NO. 58
FUEL @ 08:00 HRS
RIG 166 BOILER

WEATHER: TEMPERATURE -3; CURRENT CONDITIONS Cloudy /Snow; WIND DIRECTION N.E.; ROAD CONDITION Good

LAST CASING, TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12
TIME	00:15
RIG RELEASE	
TIME	
WELL TYPE	DIR.
RE-ENTRY	YES
OPERATOR'S AFE	
KELLY BSHG	6.8
OP FUEL	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20051015_1B
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME BREAKDOWN

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 Wait on orders	23	24	25	26	TOTALS
MORN											7.25											0.75				8.00
DAY																										
EVE																										
TOTAL											7.25											0.75				8.00

SHALE SHAKER(S)	TYPE	TYPE
NO. 2	Derrick FLC	Derrick FLC
SCREENS CHANGED		NEW USED
TOP	140	84
MIDDLE	140	84
BOTTOM	140	84

RENTALS / SERVICES	MORN	DAY	EVE
TOTAL MJ	190	710	
ACCUM MJ	18808		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	0		
TOTAL TOP DRIVE HRS	402.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	15

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
GARY PATRICK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2753

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	PCL TOOLS		48.51
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
35	89mm H.W.D.P.	89	328.35
1	X.O.	89	.53
1	SIDE ENTRY	89	1.36
1	X.O.	89	.55
1	89mm HWDP	89	9.3
1	X.O.		.44
15	H.W.D.P.	127	141.20
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2387.33
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT NO. / SIZE / IADC CODE / MANUFACTURER / TYPE / SERIAL NO. / JETS / DEPTH OUT (m) / DEPTH IN (m) / TOTAL DRILLED (m) / TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG 5 - UP; TORQUE AT BOTTOM 0; FILL ON BOTTOM (m) 0

MORNING TOUR — MUD RECORD

MUD TYPE GEL; WATER BASED X; OIL BASED

TIME / DENSITY (kg/m3) / FUNNEL VISCOSITY / FLUID LOSS (cm3) / pH / PVT,m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

HOURS RUN 0; HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY; 0

BOILERS: 1 | 2; HRS RUN 8 | HRS RUN 0; BOILER pH 10.5 | BOILER pH; STACK TEMP | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa; PUMP NO. 1 LINER SIZE 127 SPM; PUMP NO. 2 LINER SIZE 127 SPM

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	11	Log Up f/ 2900m to 2851m
15	145	1.50	11	Work On Logging Tools, Tools Failed
145	345	2.00	11	Pull Out To Side Entry Sub
345	600	2.25	11	Wireline Is Kinked By Side Entry Sub, (Trouble Shoot)
600				Pull Out Wireline & Laydown Side Entry Sub
600	645	0.75	22	Wait On Orders
645	800	1.25	11	Pull Out To Logging Tools

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # B-1 BOILER BLOW DOWN, B-3 STEAM USE
BOILER BLOW DOWN 3X

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
BOILER BLOW DOWN		18496

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND	8		KV
DERRICK HAND		SHAWN WATSON	8		SW
MOTOR HAND		GREG ST.ARNAUD	8		GS
FLOOR HAND		JUSTIN MILLER	8		JM
FLOOR HAND		DAVID FRANKLIN	8		DF
LEASE HAND		COREY COLBOURNE	8		CC

RATE SCHEDULE X REGULAR; REPAIR; INVERT

CREW SAFETY DAYS: 2753

DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

DAY TOUR — MUD RECORD

MUD TYPE; WATER BASED; OIL BASED

TIME / DENSITY (kg/m3) / FUNNEL VISCOSITY / FLUID LOSS (cm3) / pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2; HRS RUN 0 | HRS RUN 0; BOILER pH | BOILER pH; STACK TEMP | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa; PUMP NO. 1 LINER SIZE 127 SPM; PUMP NO. 2 LINER SIZE 127 SPM

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ALLAN LICKOCH			
ASSIST DRILLER		KEVIN LAUCK			
DERRICK HAND		VIRGIL NANAQUAWETUNG			
MOTOR HAND		DERWIN KOTCHEA			
FLOOR HAND		MOISE PUNCH			
FLOOR HAND		SEAN WOLOSCH			
LEASE HAND		BRIAN JULIAN			

RATE SCHEDULE; REGULAR; REPAIR; INVERT

CREW SAFETY DAYS: 2753

DRIVERS:

EVENING TOUR — MUD RECORD

MUD TYPE; WATER BASED; OIL BASED

TIME / DENSITY (kg/m3) / FUNNEL VISCOSITY / FLUID LOSS (cm3) / pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2; HRS RUN 8 | HRS RUN 0; BOILER pH | BOILER pH; STACK TEMP | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa; PUMP NO. 1 LINER SIZE 127 SPM; PUMP NO. 2 LINER SIZE 127 SPM

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND	4		
DERRICK HAND		SHAWN WATSON	4		
MOTOR HAND		GREG ST.ARNAUD	4		
FLOOR HAND		JUSTIN MILLER	4		
FLOOR HAND		DAVID FRANKLIN	4		
LEASE HAND		COREY COLBOURNE	4		

RATE SCHEDULE X REGULAR; REPAIR; INVERT

CREW SAFETY DAYS: 2753

DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs: Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safe! Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	OPR	R.M.
AI		GP
AI		GP
AI		GP
AI		GP
AI		GP
		GP
		GP

WEATHER

YEAR 2005 MONTH 10 DAY 14
RIG NO. 58
FUEL @ 08:00 HRS
RIG 126 BOILER

TEMPERATURE -4
CURRENT CONDITIONS Clear
WIND DIRECTION N.E.
ROAD CONDITION Good

LAST CASING TUBING OR LINER

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE: 2005/08/12 TIME: 00:15
RIG RELEASE: TIME:
WELL TYPE: DIR. RE-ENTRY: YES
OPERATOR'S AFE:
KELLY BSHG: 6.8 OP FUEL:
CONTRACTOR'S JOB NUM: 05-21883
TOUR SHEET SERIAL NUM: AKTA58_20051014_1C
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN					1.25						6.75															
DAY											7.75										0.25					
EVE											7.75										0.25					
TOTAL					1.25						22.25										0.50					

TOTALS	SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
8.00	2	Derrick FLC	Derrick FLC	TOTAL MJ	190	710	
8.00	SCREENS CHANGED		NEW? USED	ACCUM MJ	18808		
8.00	TOP 140	MIDDLE 84	TOP	ACCUM OIL LEVEL	31		
8.00	MIDDLE 140	BOTTOM 84	MIDDLE	TOP DRIVE HRS	0		
24.00	BOTTOM 140		BOTTOM 84	TOTAL TOP DRIVE HRS	402.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 10 | DAY 14
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER GARY PATRICK | RIG NO. 58
PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2752

MORNING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	PCL TOOLS		48.51
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
35	89mm H.W.D.P.	89	328.35
1	X.O.	89	.53
1	SIDE ENTRY	89	1.36
1	X.O.	89	.55
1	89mm HWDP	89	9.3
1	X.O.		.44
15	H.W.D.P.	127	141.20
45	D.P.	STANDS	1286.50
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		3673.83
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | TO | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN mHR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE GEL | WATER BASED X | OIL BASED

TIME	DENSITY (kg/m3)	FUNNEL VISCOSITY	FLUID LOSS (cm3)	pH	PVT m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7900	127		127	80

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	515	5.25	11	Run Logs On Drill Pipe to 2214m (Strap & Drift Pipe In Hole)
515	630	1.25	5	Break Circulation & Circulate
630	800	1.50	11	Rig Up To & Run Wireline In Pipe To Latch Onto PCL Tools
800				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWE4D JSA # D-6 TRIP IN HOLE

SPECIAL EVENT	TIME / DEPTH	SAFETY TOPIC	MEH.	MACP
		RUN LOGS ON D.P		18496

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2752 | DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

DAY TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	PCL TOOLS		48.51
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
35	89mm H.W.D.P.	89	328.35
1	X.O.	89	.53
1	SIDE ENTRY	89	1.36
1	X.O.	89	.55
1	89mm HWDP	89	9.3
1	X.O.		.44
15	H.W.D.P.	127	141.20
27	D.P.	STANDS	772.44
	D.P.	SINGLES	
	KELLY DOWN		-14.77
	TOTAL		3145.00
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | TO | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN mHR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED

TIME	DENSITY (kg/m3)	FUNNEL VISCOSITY	FLUID LOSS (cm3)	pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3620				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	0815	0.25	21	Pre-Tour Safety Meeting
0815	0900	0.75	11	Attempt To Latch On With Wet Connect
0900	1030	1.50	11	Pull Wireline Out/Fix & Repair Wet Connect
1030	1115	0.75	11	Run In With Wireline & Latch On with Wet Connect
1115	1345	2.50	11	Run In With Logging Tools On Drill Pipe to 2400m
1345	1600	2.25	11	Log Down f/2400m to 3145m (run #1 XMAC-HDIL-ZDL-CN-GR-SI)
1600				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-34 Toolpush Logging

SPECIAL EVENT	TIME / DEPTH	SAFETY TOPIC	MEH.	MACP
		TLC Logging		18496

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2752 | DRIVERS

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	PCL TOOLS		48.51
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
35	89mm H.W.D.P.	89	328.35
1	X.O.	89	.53
1	SIDE ENTRY	89	1.36
1	X.O.	89	.55
1	89mm HWDP	89	9.3
1	X.O.		.44
15	H.W.D.P.	127	141.20
27	D.P.	STANDS	772.44
	D.P.	SINGLES	
	KELLY DOWN		-14.77
	TOTAL		3145.00
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | TO | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN mHR

HOLE CONDITION: HOLE DRAG 10-UP | TORQUE AT BOTTOM 0 | FILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE GEL | WATER BASED X | OIL BASED

TIME	DENSITY (kg/m3)	FUNNEL VISCOSITY	FLUID LOSS (cm3)	pH	PVT m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT
BARITE | 42 | SX

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 8 | HRS RUN 0 — BOILER pH 10.5 | BOILER pH — STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1815	2.25	11	Log Down f/3145m to 3610m (run #1 XMAC-HDIL-ZDL-CN-GR-SI)
1815	1900	0.75	11	Log Up f/3610m to 3500m
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2400	4.75	11	Log Up f/ 3500m to 2900m

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-34 TOOLPUSH LOGGING, A-2 WORKING @ HEIGHTS
TOPIC OF THE WEEK - WORKING @ HEIGHTS
BOILER BLOW DOWN 3X

SPECIAL EVENT	TIME / DEPTH	SAFETY TOPIC	MEH.	MACP
		TLC LOGGING		18496

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2752 | DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		DAVID FRANKLIN	8			DF
LEASE HAND		COREY COLBOURNE	8			CC

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		SEAN WOLOSCH	12			SW
LEASE HAND		BRIAN JULIAN	12			BJ

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		DAVID FRANKLIN	4			DF
LEASE HAND		COREY COLBOURNE	4			CC

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 10 | DAY 14
RIG NO. 58
FUEL @ 08:00 HRS
RIG 126 | BOILER

WEATHER
TEMPERATURE: 6
CURRENT CONDITIONS: Partly cloudy
WIND DIRECTION: S.W.
ROAD CONDITION: MUDDY

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T..INT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE: 2005/08/12 | TIME: 00:15
RIG RELEASE: | TIME:
WELL TYPE: DIR. | RE-ENTRY: YES
OPERATOR'S AFE:
KELLY BSHG: 6.8 | OP FUEL:
CONTRACTOR'S JOB NUM: 05-21883
TOUR SHEET SERIAL NUM: AKTA58_20051014_1B
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

PASON

TIME-HRS

CODE NO. 1 RIGUP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OFF DRILL LINE | 10 DEV. SURVEY | 11 WIRELINE LOGS | 12 RUN CSG & CEMENT | 13 WAIT ON CEMENT | 14 NIPPLE UP B.O.P. | 15 TEST B.O.P. | 16 DRILLSTEM TEST | 17 PLUG BACK | 18 SQUEEZE CEMENT | 19 FISHING | 20 DIR. WORK | 21 SAFETY MEETING | 22 | 23 | 24 | 25 | 26

	5 COND MUD & CIRC	10 DEV. SURVEY	11 WIRELINE LOGS
MORN	1.25		6.75
DAY			
EVE			
TOTAL	1.25		6.75

SHALE SHAKER(S)

NO.	TYPE	TYPE
1	Derrick FLC	Derrick FLC
2		
SCREENS CHANGED		NEW / USED

TOTALS	MORN	DAY	EVE
	8.00		
TOP	140	84	
MIDDLE	140	84	
BOTTOM	140	84	
	8.00		

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	186	455	
ACCUM MJ	14553		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	6.75		
TOTAL TOP DRIVE HRS	402.5		

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
	PCL TOOLS		48.51
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
45	D.P.	STANDS	1286.50
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		3671.39
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE: GEL | WATER BASED: X | OIL BASED:
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH
PVT.m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa: 7900

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127	2214	127	80

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	515	5.25	11	Run Logs On Drill Pipe to 2214m (Strap & Drift Pipe In Hole)
515	630	1.25	5	Break Circulation & Circulate
630	800	1.50	11	Rig Up To & Run Wireline In Pipe To Latch Onto PCL Tools

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWE4D JSA # D-6 TRIP IN HOLE

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
RUN LOGS ON D.P		18496

RATE SCHEDULE: X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2752

DRIVERS: KEVIN VANDENBRAND | SHAWN WATSON

CREW

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND	8		KV
DERRICK HAND		SHAWN WATSON	8		SW
MOTOR HAND		GREG ST.ARNAUD	8		GS
FLOOR HAND		JUSTIN MILLER	8		JM
FLOOR HAND		DAVID FRANKLIN	8		DF
LEASE HAND		COREY COLBOURNE	8		CC

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2752

DRIVERS: KEVIN LICKOCH | KEVIN LAUCK | VIRGIL NANAQUAWETUNG | DERWIN KOTCHEA | MOISE PUNCH | SEAN WOLOSCH | BRIAN JULIAN

CREW

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		ALLAN LICKOCH			
ASSIST DRILLER		KEVIN LAUCK			
DERRICK HAND		VIRGIL NANAQUAWETUNG			
MOTOR HAND		DERWIN KOTCHEA			
FLOOR HAND		MOISE PUNCH			
FLOOR HAND		SEAN WOLOSCH			
LEASE HAND		BRIAN JULIAN			

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2752

DRIVERS: KEVIN VANDENBRAND

CREW

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND			
DERRICK HAND		SHAWN WATSON			
MOTOR HAND		GREG ST.ARNAUD			
FLOOR HAND		JUSTIN MILLER			
FLOOR HAND		DAVID FRANKLIN			
LEASE HAND		COREY COLBOURNE			

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: PARAMOUNT ET AL LIARD K-29A | YEAR: 2005 | MONTH: 10 | DAY: 14
OPERATOR: PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME: AKITA DRILLING LTD.
RIG MANAGER: GARY PATRICK | RIG NO.: 58
PROVINCE: N.W.T. | CAMP: X YES / NO | RIG SAFETY DAYS: 2752

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND	8		KV
DERRICK HAND		SHAWN WATSON	8		SW
MOTOR HAND		GREG ST.ARNAUD	8		GS
FLOOR HAND		JUSTIN MILLER	8		JM
FLOOR HAND		DAVID FRANKLIN	8		DF
LEASE HAND		COREY COLBOURNE	8		CC

RATE SCHEDULE: X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2752

DRIVERS: KEVIN VANDENBRAND | SHAWN WATSON

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		ALLAN LICKOCH			
ASSIST DRILLER		KEVIN LAUCK			
DERRICK HAND		VIRGIL NANAQUAWETUNG			
MOTOR HAND		DERWIN KOTCHEA			
FLOOR HAND		MOISE PUNCH			
FLOOR HAND		SEAN WOLOSCH			
LEASE HAND		BRIAN JULIAN			

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2752

DRIVERS: KEVIN VANDENBRAND | SHAWN WATSON

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND			
DERRICK HAND		SHAWN WATSON			
MOTOR HAND		GREG ST.ARNAUD			
FLOOR HAND		JUSTIN MILLER			
FLOOR HAND		DAVID FRANKLIN			
LEASE HAND		COREY COLBOURNE			

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2752

DRIVERS: KEVIN VANDENBRAND

LICENCE NO. 1125 | WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A

OPERATOR: PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME: AKITA DRILLING LTD.

SURFACE LOCATION | UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE | SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R.M
(1.) Daily Walk Around Inspection	AI	GP
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required	AI	GP
(4.) Well Licence & Stick Diagram Posted	AI	GP
(5.) Flare Lines Staked	AI	GP
(6.) BOP Drills Performed	AI	GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	AI	GP
(1.) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		GP
(3.) Meet Inspection before Raising or Lowering		GP
(4.) Crown Saver Checked		GP
(5.) Motor Kills Checked		GP

YEAR 2005 | MONTH 10 | DAY 13

RIG NO. 58 | FUEL @ 08:00 HRS | RIG 164 | BOILER

TEMPERATURE 6 | **CURRENT CONDITIONS** Partly cloudy | **WIND DIRECTION** S.W. | **ROAD CONDITION** MUDDY

WEATHER

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN.ID. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T..INT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12
TIME	00:15
RIG RELEASE	
TIME	
WELL TYPE	DIR.
RE-ENTRY	YES
OPERATOR'S AFE	
KELLY BSHG	6.8
OP FUEL	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20051013_1C
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME-HRS

CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

	RIG/UP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING
MORN					4.0	4.0															
DAY					2.75	5.0															0.25
EVE						4.5					3.25										0.25
TOTAL					6.75	13.50					3.25										0.50

	TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN.	DAY	EVE
	8.00	NO. 2 TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	186	455
	8.00	SCREENS CHANGED	NO	NEW USED	ACCUM MJ	14553
	8.00	TOP 140	MIDDLE 140	BOTTOM 140	ACCUM OIL LEVEL	31
	8.00	TOP 84	MIDDLE 84	BOTTOM 84	TOP DRIVE HRS	6.75
	24.00				TOTAL TOP DRIVE HRS	402.5

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 10 | DAY 13

OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.

RIG MANAGER GARY PATRICK (RM) | RIG NO. 58

PROVINCE N.W.T. | CAMP X YES ☐ NO | RIG SAFETY DAYS 2751

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	.19	
1	BIT SUB	124	.91
18	89mm Drill pipe	89	174.36
1	X.O.	123	.75
1	JAR	121	4.01
1	X.O.	121	.61
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
45	D.P. STANDS		1286.50
	D.P. SINGLES		
	KELLY DOWN		-9.35
	TOTAL		3620.00
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD

BIT NO.	6-B
SIZE	156
IADC CODE	5 3 7
MANUFACTURER	SMITH
TYPE	XR30-T
SERIAL NO.	PC2628
JETS	0 0 / 0 0
DEPTH OUT (m)	3620
DEPTH IN (m)	3569
TOTAL DRILLED (m)	51.00
TOTAL HRS RUN	10.0

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG: 40 UP 25 DN SLIDE

TORQUE AT BOTTOM: 11300

FILL ON BOTTOM (m): 0

MORNING TOUR MUD RECORD

MUD TYPE GEL | WATER BASED X | OIL BASED ☐

TIME	200		
DENSITY (kg/m3)	1070		
FUNNEL VISCOSITY	102		
FLUID LOSS (cm3)			
pH	10.5		
PVT,m3	29.8		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	3	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
10100	127		127	80

REDUCED PUMP SPEED: 4220 @ 3618 @ 40

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
0		

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	230	2.50	5	Circulate & Condition Mud
230	630	4.00	6	38 Stand Wiper Trip To Shoe, Flow Check @ 3618m, 3500m (5 stds) 2555m (38 stds)
630	800	1.50	5	Circulate Bottoms Up
				Trip Record cal. = 5.55m3
				mea. = 6.41m3
				diff. = .86m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # D-6 TRIP IN HOLE, D-47 PREPARE FLOOR FOR TRIP

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		TRIP IN HOLE	150	18738

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		DAVID FRANKLIN	8			DF
LEASE HAND		COREY COLBOURNE	8			CC

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2751

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	.19	
1	BIT SUB	124	.91
18	89mm Drill pipe	89	174.36
1	X.O.	123	.75
1	JAR	121	4.01
1	X.O.	121	.61
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
45	D.P. STANDS		1286.50
	D.P. SINGLES		
	KELLY DOWN		-9.35
	TOTAL		3620.00
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD

BIT NO.	6-B
SIZE	156
IADC CODE	5 3 7
MANUFACTURER	SMITH
TYPE	XR30-T5
SERIAL NO.	PC2628
JETS	0 0 / 0 0
DEPTH OUT (m)	3620
DEPTH IN (m)	3569
TOTAL DRILLED (m)	51.00
TOTAL HRS RUN	10.0

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED ☐

TIME	800	1200
DENSITY (kg/m3)	1070	1070
FUNNEL VISCOSITY	112	120
FLUID LOSS (cm3)		
pH	10.5	10.5
PVT	26.3	23

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	84	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
10100	127		127	80

REDUCED PUMP SPEED: 4220 @ 3618 @ 40

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3620				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	0815	0.25	21	Pre-Tour Safety Meeting
0815	0915	1.00	5	Circulate & Condition Mud
0915	1230	3.25	6	Wiper Trip To 2800m ,Flow Check ,Run IN Hole -3589m,Wash to Bottom
1230	1415	1.75	5	Circulate Bottoms Up/flow check/Pump Pill
1415	1600	1.75	6	Trip Out Of Hole to 2942m/Flow Check @ 5stds. 3475m
1600				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA A-3 Camp Fife Drill

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		Tripping		18496

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		SEAN WOLOSCH	12			SW
LEASE HAND		BRIAN JULIAN	12			BJ

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2751

DRIVERS

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
	PCL TOOLS		48.51
18	89mm Drill pipe	89	174.36
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
45	D.P. STANDS		1286.50
	D.P. SINGLES		
	KELLY DOWN		-9.35
	TOTAL		3662.04
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD

BIT NO.	6-B
SIZE	156
IADC CODE	5 3 7
MANUFACTURER	SMITH
TYPE	XR30-T5
SERIAL NO.	PC2628
JETS	0 0 / 0 0
DEPTH OUT (m)	3620
DEPTH IN (m)	3569
TOTAL DRILLED (m)	51.00
TOTAL HRS RUN	10.0

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

EVENING TOUR MUD RECORD

MUD TYPE GEL | WATER BASED X | OIL BASED ☐

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			
PVT,m3			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	2030	4.50	6	Trip Out Of Hole f/2942m/flow check @2203m/& Out Of Hole
2030	2200	1.50	11	Rig Up To Run Logs On Drill Pipe
2200	2215	0.25	21	Safety Meeting With Loggers
2215	2400	1.75	11	Rig Up Logging Tools On Drill Pipe
				Trip Record Cal = 15.82m3
				Mea = 18.29m3
				Diff = 2.47m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # D-36 RIG UP & RUN LOGGING TOOLS

Greased crown & blocks.

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		MAKE UP LOGGING TOOL		18496

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		DAVID FRANKLIN	4			DF
LEASE HAND		COREY COLBOURNE	4			CC

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2751

DRIVERS: KEVIN VANDENBRAND

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	QP	R	M
(1.) Daily Walk Around Inspection			
(2.) Detailed Inspection - Weekly (Using Check List)			
(3.) H2S Signs Posted if Required			
(4.) Well Licence & Stick Diagram Posted			
(5.) Flare Lines Staked			
(6.) BOP Drills Performed			
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines			
(1.) Rig Site Health & Safety Meeting (one/crew/month)			
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)			
(3.) Meet Inspection before Raising or Lowering			
(4.) Crown Saver Checked			
(5.) Motor Kills Checked			

YEAR 2005 | MONTH 10 | DAY 13

RIG NO. 58

FUEL @ 08:00 HRS

RIG 164 | BOILER

WEATHER

TEMPERATURE 1

CURRENT CONDITIONS CloudPartly

WIND DIRECTION N.E.

ROAD CONDITION MUDDY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051013_1B		
VENDOR SOFTWARE VERSION	EDR 3-1-4 HF2 ETS 2.2		

CAODC

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN					4.0	4.0																				
DAY																										
EVE																										
TOTAL					4.00	4.00																				

SHALE SHAKER(S)

NO. #	TYPE	TYPE
	Derrick FLC	Derrick FLC
SCREENS CHANGED		NEW/USED

TOTALS	TOP	TOP	MIDDLE	MIDDLE	BOTTOM	BOTTOM
8.00	140	84	140	84	140	84

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	177	910	
ACCUM MJ	6008		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	20.75		
TOTAL TOP DRIVE HRS	333.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.		YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A		2005	10	13
OPERATOR	PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME	AKITA DRILLING LTD.	
RIG MANAGER	GARY PATRICK (RM)	RIG NO.	58	
PROVINCE	N.W.T.	CAMP	X YES / NO	RIG SAFETY DAYS 2751

DRILL ASSEMBLY (AT END OF TOUR)

NO.		LENGTH
1	BIT	.19
1	BIT SUB	.91
18	89mm Drill pipe	174.36
1	X.O.	.75
1	JAR	4.01
1	X.O.	.61
174	89mm Drill pipe	1682.73
36	89mm H.W.D.P.	337.65
1	X.O.	.44
15	H.W.D.P.	141.20
45	D.P. STANDS	1286.50
	D.P. SINGLES	
	KELLY DOWN	-9.35
	TOTAL	3620.00
	WT. OF D.C.	57
	WT. OF STRING	97

BIT RECORD

BIT NO.	6-B
SIZE	156
IADC CODE	5 3 7
MANUFACTURER	SMITH
TYPE	XR30-T
SERIAL NO.	PC2628
JETS	0 0
	0 0
DEPTH OUT (m)	3601
DEPTH IN (m)	3569
TOTAL DRILLED (m)	32.00
TOTAL HRS RUN	10.0

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	40 UP 25 DN SLIDE
TORQUE AT BOTTOM	11300
FILL ON BOTTOM (m)	0

MORNING TOUR

MUD RECORD

MUD TYPE GEL | WATER BASED X | OIL BASED

TIME	200
DENSITY (kg/m3)	1070
FUNNEL VISCOSITY	102
FLUID LOSS (cm3)	
pH	10.5
PVT.m3	29.8

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	3	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
10100	127		127	80

REDUCED PUMP SPEED: 4220 @ 3618 @ 40

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	230	2.50	5	Circulate & Condition Mud
230	630	4.00	6	38 Stand Wiper Trip To Shoe, Flow Check @ 3618m, 3500m (5 stds) 2555m (38 stds)
630	800	1.50	5	Circulate Bottoms Up

Trip Record cal. = 5.55m3
mea. = 6.41m3
diff. = .86m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-6 TRIP IN HOLE, D-47 PREPARE FLOOR FOR TRIP

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
TRIP IN HOLE	150	18738

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS	DRIVERS
2751	KEVIN VANDENBRAND, SHAWN WATSON

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		DAVID FRANKLIN	8			DF
LEASE HAND		COREY COLBOURNE	8			CC

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEH. | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS	DRIVERS
2751	

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		ALLAN LICKOCH				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		VIRGIL NANAQUAWETUNG				
MOTOR HAND		DERWIN KOTCHEA				
FLOOR HAND		MOISE PUNCH				
FLOOR HAND		SEAN WOLOSCH				
LEASE HAND		BRIAN JULIAN				

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEH. | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS	DRIVERS
2751	KEVIN VANDENBRAND

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		DAVID FRANKLIN				
LEASE HAND		COREY COLBOURNE				

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	QPR	R.M
(1.) Daily Walk Around Inspection	AI	GP
(2.) Detailed Inspection - Weekly (Using Check List)	AI	GP
(3.) H2S Signs Posted if Required	AI	GP
(4.) Well Licence & Stick Diagram Posted	AI	GP
(5.) Flare Lines Staked	AI	GP
(6.) BOP Drills Performed	AI	GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		GP
(1.) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		GP
(4.) Crown Saver Checked		GP
(5.) Motor Kills Checked		

YEAR 2005 | MONTH 10 | DAY 12

RIG NO. 58

FUEL @ 05:00 HRS

RIG 164 | BOILER

WEATHER | TEMPERATURE H / L | CURRENT CONDITIONS: CloudPartly | WIND DIRECTION: N.E. | ROAD CONDITION: MUDDY

LAST CASING TUBING OR LINER	DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
		127	74.35	HWDP			4.5IF	17

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE: 2005/08/12 | TIME: 00:15

RIG RELEASE: | TIME:

WELL TYPE: DIR. | RE-ENTRY: YES

OPERATOR'S AFE:

KELLY BSHG: 6.8 | OP FUEL:

CONTRACTOR'S JOB NUM: 05-21883

TOUR SHEET SERIAL NUM: AKTA58_20051012_1C

VENDOR SOFTWARE VERSION: EDR 3-1-4 HF2 ETS 2.2

CAODC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 B.O.P.Drill	23	24	25	26
MORN					6.75	1.0															0.25					
DAY		5.25			1.75	0.5															0.25	0.25				
EVE		4.75			2.0	0.75	0.25														0.25					
TOTAL		10.00			10.50	2.25	0.25														0.75	0.25				

TOTALS	SHALE SHAKER(S) NO. #	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
8.00		Derrick FLC	TOTAL MJ	177	910	
8.00	SCREENS CHANGED: YES	NEW / USED	ACCUM MJ	6008		
8.00	140 TOP	84 TOP	ACCUM OIL LEVEL	31		
8.00	140 MIDDLE	84 MIDDLE	TOP DRIVE HRS	20.75		
24.00	140 BOTTOM	84 BOTTOM	TOTAL TOP DRIVE HRS	333.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 10 | DAY 12

OPERATOR: PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME: AKITA DRILLING LTD.

RIG MANAGER: GARY PATRICK (RM) | RIG NO. 58

PROVINCE: N.W.T. | CAMP: X YES ☐ NO | RIG SAFETY DAYS 2750

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		DAVID FRANKLIN	8			DF
LEASE HAND		COREY COLBOURNE	8			CC

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2750

DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		SEAN WOLOSCH	12			SW
LEASE HAND		BRIAN JULIAN	12			BJ

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2750

DRIVERS:

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		DAVID FRANKLIN	4			DF
LEASE HAND		COREY COLBOURNE	4			CC

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2750

DRIVERS: KEVIN VANDENBRAND

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	19	
1	BIT SUB	124	.91
18	89mm Drill pipe	89	174.36
1	X.O.	123	.75
1	JAR	121	4.01
1	X.O.	121	.61
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
7	D.P.	STANDS	200.76
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		2543.61
	WT. OF D.C.	37	
	WT. OF STRING	75	

BIT RECORD

BIT NO.	6-B
SIZE	156
IADC CODE	5 3 7
MANUFACTURER	SMITH
TYPE	XR30-T
SERIAL NO.	PC2628
JETS	0 0 / 0 0
DEPTH OUT (m)	
DEPTH IN (m)	3569
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	4 - up 2 - dn rotate
TORQUE AT BOTTOM	5000
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: Gel Chem | WATER BASED: X | OIL BASED: ☐

TIME	1200	300	500
DENSITY (kg/m3)		1055	1055
FUNNEL VISCOSITY	46	58	75
FLUID LOSS (cm3)		9.0	9.0
pH	10.5	10	10
PVT.m3		61.0	60.8

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
QPAC	4	SX
GEL	48	SX
CAUSTIC	2	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8300	127		127	80

REDUCED PUMP SPEED: 3745 @ 2540 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	Safety Meeting- BOP Drill Well Secure In 60 sec.
15	700	6.75	5	Circulate & Condition Mud
700	800	1.00	6	Trip In Hole
800				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # M-15 BOP DRILL, I-4 MIX MUD, I-3 FIXING MIXING HOPPER

SPECIAL EVENT	SAFETY TOPIC	MEH.	MACP
TIME / DEPTH	MIX MUD		18979

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	19	
1	BIT SUB	124	.91
18	89mm Drill pipe	89	174.36
1	X.O.	123	.75
1	JAR	121	4.01
1	X.O.	121	.61
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
44	D.P.	STANDS	
1	D.P.	SINGLES	1267.73
	KELLY DOWN		-9.58
	TOTAL		3601.00
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD

BIT NO.	6-B
SIZE	156
IADC CODE	5 3 7
MANUFACTURER	SMITH
TYPE	XR30-T
SERIAL NO.	PC2628
JETS	0 0 / 0 0
DEPTH OUT (m)	3601
DEPTH IN (m)	3569
TOTAL DRILLED (m)	32.00
TOTAL HRS RUN	5.25

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	15up 10dn
TORQUE AT BOTTOM	13000
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: Gel Chem | WATER BASED: X | OIL BASED: ☐

TIME		1200	1600
DENSITY (kg/m3)		1040	1060
FUNNEL VISCOSITY		90	95
FLUID LOSS (cm3)			
pH		9.5	10
PVT m3		63.9	63.3

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
EZ-Drill	4	BBL
DRISCAL-D	3	SX
CAUSTIC	4	SX
GEL	12	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
6	1060	1020	2205

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
9900	127	0	127	80

REDUCED PUMP SPEED: 4150 @ 3563 @ 40

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3569	3601	D	80	9

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	0815	0.25	21	Pre-Tour Safety Meeting
0815	0845	0.50	6	Trip In Hole to 3458m
0845	1030	1.75	5	Brk. Circ. & Wash Down f/3458m to 3569m
1030	1415	3.75	2	Drill 156mm Hole f/3569m to 3590m
1415	1430	0.25	22	B.O.P./H2s Drill (well secure in 60 sec.)
1430	1600	1.50	2	Drill f/3590m to 3601m

NOTES: Checked, Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA D-6 Trip In Hole with Top Drive/A-2 Working @ Heights

SPECIAL EVENT	SAFETY TOPIC	MEH.	MACP
TIME / DEPTH	Tripping		18738

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	19	
1	BIT SUB	124	.91
18	89mm Drill pipe	89	174.36
1	X.O.	123	.75
1	JAR	121	4.01
1	X.O.	121	.61
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
45	D.P.	STANDS	1286.50
	D.P.	SINGLES	
	KELLY DOWN		-9.35
	TOTAL		3620.00
	WT. OF D.C.	57	
	WT. OF STRING	97	

BIT RECORD

BIT NO.	6-B
SIZE	156
IADC CODE	5 3 7
MANUFACTURER	SMITH
TYPE	XR30-T
SERIAL NO.	PC2628
JETS	0 0 / 0 0
DEPTH OUT (m)	3601
DEPTH IN (m)	3569
TOTAL DRILLED (m)	32.00
TOTAL HRS RUN	10.0

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	40 up 25 dn slide
TORQUE AT BOTTOM	12900
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: GEL | WATER BASED: X | OIL BASED: ☐

TIME	1800	2000	2100
DENSITY (kg/m3)	1065	1070	1070
FUNNEL VISCOSITY	100	77	104
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
PVT	64.4	63.4	63.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
EZ-Drill	1	BBL
CAUSTIC	2	SX
BARITE	42	SX
KELZAN XCD	2	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
10000	127		127	80

REDUCED PUMP SPEED: 4220 @ 3615 @ 40

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3601	3620	D	80	9

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1900	3.00	2	Drill f/3601m to 3614m
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2100	1.75	2	Drill f/ 3614m to 3620m
2100	2230	1.50	5	Circulate Bottoms Up
2230	2315	0.75	6	Wiper Trip To 3500m - Flow Check @ 3618m & 3500m
2315	2345	0.50	5	Circulate & Condition Mud
2345	2400	0.25	7	Rig Service, Function Test Remote Choke, Check RSPP
2400				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # D-5 P.O.O.H, D-10 OPERATE PIPE SPINNER

SPECIAL EVENT	SAFETY TOPIC	MEH.	MACP
TIME / DEPTH	TRIPPING	135	18738

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Fibre Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Fibre Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Meet Inspection before Rikising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPER	RM

YEAR 2005 | MONTH 10 | DAY 12
RIG NO. 58
FUEL @ 08:00 HRS
RIG 164 | BOILER

WEATHER
TEMPERATURE: 1
CURRENT CONDITIONS: Cloud/Partly
WIND DIRECTION: N.E.
ROAD CONDITION: MUDDY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T..INT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12
TIME	00:15
RIG RELEASE	
TIME	
WELL TYPE	DIR.
RE-ENTRY	YES
OPERATOR'S AFE	
KELLY BSHG	6.8
OP FUEL	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20051012_1B
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN					6.75	1.0															0.25						8.00
DAY																											
EVE																											
TOTAL					6.75	1.00															0.25						8.00

SHALE SHAKER(S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC
SCREENS CHANGED	YES	NEW / USED
TOP	84	84
MIDDLE	84	84
BOTTOM	84	84

RENTALS / SERVICES

	MORN.	DAY	EVE.
TOTAL MJ	175	776	
ACCUM MJ	3874		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	19		
TOTAL TOP DRIVE HRS	312.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	12

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
GARY PATRICK (RM)	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2750

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		.19
1	BIT SUB	124	.91
18	89mm Drill pipe	89	174.36
1	X.O.	123	.75
1	JAR	121	4.01
1	X.O.	121	.61
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
7	D.P. STANDS		200.76
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2543.61
	WT. OF D.C.	37	
	WT. OF STRING	94	

BIT RECORD

BIT NO.	6-B
SIZE	156
IADC CODE	5 3 7
MANUFACTURER	SMITH
TYPE	XR30-T
SERIAL NO.	PC2628
JETS	0 0 / 0 0
DEPTH OUT (m)	
DEPTH IN (m)	3569
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MORNING TOUR MUD RECORD

MUD TYPE		WATER BASED	X	OIL BASED	
TIME		1200		300	
DENSITY (kg/m3)				1055	
FUNNEL VISCOSITY		46		58	
FLUID LOSS (cm3)					
pH		10.5		10	
PVT.m3					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
QPAC	4	SX
GEL	48	SX
CAUSTIC	2	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8300	127		127	80

REDUCED PUMP SPEED: @ / @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	Safety Meeting- BOP Drill Well Secure In 60 sec.
15	700	6.75	5	Circulate & Condition Mud
700	800	1.00	6	Trip In Hole

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # M-15 BOP DRILL, I-4 MIX MUD, I-3 FIXING MIXING HOPPER

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
MIX MUD		

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2750

DRIVERS: BRIAN WYATT, DOUG CHRISTIE

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO	INJURIES
DRILLER		KEVIN VANDENBRAND	8				KV
DERRICK HAND		SHAWN WATSON	8				SW
MOTOR HAND		GREG ST.ARNAUD	8				GS
FLOOR HAND		JUSTIN MILLER	8				JM
FLOOR HAND		DAVID FRANKLIN	8				DF
LEASE HAND		COREY COLBOURNE	8				CC

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

DAY TOUR MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED: @ / @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP

RATE SCHEDULE: REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2750

DRIVERS:

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO	INJURIES
DRILLER		KEVIN VANDENBRAND					
DERRICK HAND		SHAWN WATSON					
MOTOR HAND		GREG ST.ARNAUD					
FLOOR HAND		JUSTIN MILLER					
FLOOR HAND		DAVID FRANKLIN					
LEASE HAND		COREY COLBOURNE					

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

EVENING TOUR MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED: @ / @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP

RATE SCHEDULE: REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2750

DRIVERS:

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO	INJURIES
DRILLER		ALLAN LICKOCH					
ASSIST DRILLER		KEVIN LAUCK					
DERRICK HAND		VIRGIL NANAQUAWETUNG					
FLOOR HAND		MOISE PUNCH					
FLOOR HAND		SEAN WOLOSCH					
LEASE HAND		BRIAN JULIAN					

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (QPR / R.M.)

(1.) Daily Walk Around Inspection
(2.) Defailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 10 | DAY 11
RIG NO. 58
FUEL @ 08:00 HRS
RIG 112 | BOILER
WEATHER: TEMPERATURE 1 | CURRENT CONDITIONS Cloud/Partly | WIND DIRECTION N.E. | ROAD CONDITION MUDDY

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE: 2005/08/12 | TIME: 00:15
RIG RELEASE: | TIME:
WELL TYPE: DIR. | RE-ENTRY: YES
OPERATOR'S AFE:
KELLY BSHG: 6.8 | OP FUEL:
CONTRACTOR'S JOB NUM: 05-21883
TOUR SHEET SERIAL NUM: AKTA58_20051011_1C
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

PASON

CODE NO. 1 RIGUP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OFF DRILL LINE | 10 DEV. SURVEY | 11 WIRELINE LOGS | 12 RUN CSG & CEMENT | 13 WAIT ON CEMENT | 14 NIPPLE UP B.O.P. | 15 TEST B.O.P. | 16 DRILLSTEM TEST | 17 PLUG BACK | 18 SQUEEZE CEMENT | 19 FISHING | 20 DIR. WORK | 21 SAFETY MEETING | 22 | 23 | 24 | 25 | 26

TIME-HRS

MORN						6.25			1.0										0.5	0.25					
DAY						5.5													2.25	0.25					
EVE					7.75															0.25					
TOTAL					7.75	11.75			1.00										2.75	0.75					

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC	TOTAL MJ	175	776	
8.00	SCREENS CHANGED NO	NEW/USED	ACCUM MJ	3874	
8.00	TOP 110	TOP 110	ACCUM OIL LEVEL	31	
8.00	MIDDLE 140	MIDDLE 140	TOP DRIVE HRS	19	
24.00	BOTTOM 140	BOTTOM 140	TOTAL TOP DRIVE HRS	312.25	

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 10 | DAY 11
OPERATOR: PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME: AKITA DRILLING LTD.
RIG MANAGER | RIG NO. 58
PROVINCE: N.W.T. | CAMP: X YES NO | RIG SAFETY DAYS 2749

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	10			BW
W.S.C.		MARK ZAHODA	10			MZ
DERRICK HAND		DOUG CHRISTIE	10			DC
MOTOR HAND		KENNETH LAUCK	10			KL
FLOOR HAND		BILL HETHERINGTON	10			BH
FLOOR HAND		MOSES LORD	10			ML
LEASE HAND		FREDDY CARPENTER	10			FC

RATE SCHEDULE: X REGULAR | REPAIR | INVERT
CREW SAFETY DAYS: 33
DRIVERS: BRIAN WYATT; DOUG CHRISTIE

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	10			KV
DERRICK HAND		SHAWN WATSON	10			SW
MOTOR HAND		GREG ST.ARNAUD	10			GS
FLOOR HAND		JUSTIN MILLER	10			JM
FLOOR HAND		DAVID FRANKLIN	10			DF
LEASE HAND		COREY COLBOURNE	10			CC

RATE SCHEDULE: X REGULAR | REPAIR | INVERT
CREW SAFETY DAYS: 2749
DRIVERS:

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		SEAN WOLOSCH	8			SW
LEASE HAND		BRIAN JULIAN	8			BJ

RATE SCHEDULE: X REGULAR | REPAIR | INVERT
CREW SAFETY DAYS: 2749
DRIVERS:

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.29	
1	MOTOR	121	7.46
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
1	X.O.	121	.61
18	89mm Drill pipe	89	174.36
1	JAR	121	4.77
170	89mm Drill pipe	89	1644.25
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
43	D.P. STANDS		1229.77
1	D.P. SINGLES		9.54
	KELLY DOWN		-11.98
	TOTAL		3569.00
	WT. OF D.C.	37	
	WT. OF STRING	94	

BIT RECORD

BIT NO.	5	
SIZE	156	
IADC CODE		
MANUFACTURER	HUGHES	
TYPE	PDC HCM404	
SERIAL NO.	7104208	
JETS	12.7 12.7	
	12.7 12.7	
DEPTH OUT (m)	3569	
DEPTH IN (m)	3453	
TOTAL DRILLED (m)	116.00	
TOTAL HRS RUN	15.75	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG: 30-UP
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	SAFETY MEETING
15	130	1.25	6	PULL OUT FROM 3292m TO LAY OUT DIR TOOLS FLOW SHECK @ 2720,2552m
130	230	1.00	9	SLIP AND CUT OFF DRILL LINE
230	730	5.00	6	PULL OUT TO LAY OUT DIR TOOLS FLOW CHECK @ 2343,1140
730	800	0.50	20	LAY OUT DIRECTIONAL TOOLS
800				

NOTES: CH3ECKED DEADMAN ANCHOR BRAKES AND LINKAGE FUNCTION CROWN SAVER
CHECKED BOP AND MANIFOLD VALVE ALIGNMENT FUNCTION REMOTE CHOKE C/O10secs

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
TRIPPING	130	19221

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.19	
1	BIT SUB	124	.91
18	89mm Drill pipe	89	174.36
1	X.O.	123	.75
1	JAR	121	4.01
1	X.O.	121	.61
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2342.85
	WT. OF D.C.	37	
	WT. OF STRING	94	

BIT RECORD

BIT NO.	5	6-B
SIZE	156	156
IADC CODE		5 3 7
MANUFACTURER	HUGHES	SMITH
TYPE	PDC HCM404	XR30-T
SERIAL NO.	7104208	PC2628
JETS	12.7 12.7	0 0
	12.7 12.7	0 0
DEPTH OUT (m)	3569	
DEPTH IN (m)	3453	3569
TOTAL DRILLED (m)	116.00	
TOTAL HRS RUN	15.75	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
1	2	BT	H	N		none	PR	

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☒

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	
PVT.m3	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	845	0.50	6	Trip Out Of Hole, Flow Check Out Of Hole, Function Test Blind Rams 6 sec/cls
845	1100	2.25	20	Laydown Directional Tools
1100	1600	5.00	6	Trip In Hole to 2566m
				Trip Record cal. = 15.03m3
				mea = 16.96m3
				diff. = 1.93m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # J-6 CHANGE MODULE ON PUMP, D-6 TRIP IN HOLE

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
CHANGE MODULE		19221

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.19	
1	BIT SUB	124	.91
18	89mm Drill pipe	89	174.36
1	X.O.	123	.75
1	JAR	121	4.01
1	X.O.	121	.61
174	89mm Drill pipe	89	1682.73
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
7	D.P. STANDS		200.76
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2543.61
	WT. OF D.C.	37	
	WT. OF STRING	94	

BIT RECORD

BIT NO.	6-B	
SIZE	156	
IADC CODE	5 3 7	
MANUFACTURER	SMITH	
TYPE	XR30-T	
SERIAL NO.	PC2628	
JETS	0 0	
	0 0	
DEPTH OUT (m)		
DEPTH IN (m)	3569	
TOTAL DRILLED (m)		
TOTAL HRS RUN		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED ☒ | OIL BASED ☐

TIME	1800	2200
DENSITY (kg/m3)	1040	1040
FUNNEL VISCOSITY	37	40
FLUID LOSS (cm3)		
pH	10	10.5
PVT	65.7	63.4

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	2	SX
GEL	72	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8100	127	127	80

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3569				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1615	0.25	21	Pre-Tour Safety Meeting
1615	2400	7.75	5	Circulate & Condition Mud

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA J-6 Change Module On Pump

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Mix Mud		19221

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R.M
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (one/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 MONTH 10 DAY 11

RIG NO. 58

FUEL @ 08:00 HRS

RIG 112 BOILER

WEATHER

TEMPERATURE 1

CURRENT CONDITIONS CloudPartly

WIND DIRECTION N.E.

ROAD CONDITION MUDDY

LAST CASING/ TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/ DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
		127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12
TIME	00:15
RIG RELEASE	
TIME	
WELL TYPE	DIR.
RE-ENTRY	YES
OPERATOR'S AFE	
KELLY BSHG	6.8
OP FUEL	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20051011_1B
VENDOR SOFTWARE VERSION	EDR 3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME-HRS

CODE NO. 1 RIGUP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OFF DRILL LINE | 10 DEV SURVEY | 11 WIRELINE LOGS | 12 RUN CSG & CEMENT | 13 WAIT ON CEMENT | 14 NIPPLE UP B.O.P. | 15 TEST B.O.P. | 16 DRILLSTEM TEST | 17 PLUG BACK | 18 SQUEEZE CEMENT | 19 FISHING | 20 DIR. WORK | 21 SAFETY MEETING | 22 | 23 | 24 | 25 | 26 | TOTALS

MORN					6.25			1.0											0.5	0.25						8.00
DAY																										
EVE																										
TOTAL					6.25			1.00											0.50	0.25						8.00

SHALE SHAKER(S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC
SCREENS CHANGED		NEW/ USED
TOP	110	110
MIDDLE	140	140
BOTTOM	140	140

RENTALS / SERVICES

	MORN.	DAY	EVE
TOTAL MJ	170	987	
ACCUM MJ	23917		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	19		
TOTAL TOP DRIVE HRS	312.25		

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	29
1	MOTOR	121	7.46
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
1	X.O.	121	.61
18	89mm Drill pipe	89	174.36
1	JAR	121	4.77
170	89mm Drill pipe	89	1644.25
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
43	D.P.	STANDS	1229.77
1	D.P.	SINGLES	9.54
KELLY DOWN			-11.98
TOTAL			3569.00
WT. OF D.C.			37
WT. OF STRING			94

BIT RECORD

BIT NO.	5
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104208
JETS	12.7 12.7 12.7 12.7
DEPTH OUT (m)	3569
DEPTH IN (m)	3453
TOTAL DRILLED (m)	116.00
TOTAL HRS RUN	15.75

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	30-UP
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED

@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	SAFETY MEETING
15	130	1.25	6	PULL OUT FROM 3292m TO LAY OUT DIR TOOLS FLOW SHECK @ 2720,2552m
130	230	1.00	9	SLIP AND CUT OFF DRILL LINE
230	730	5.00	6	PULL OUT TO LAY OUT DIR TOOLS FLOW CHECK @ 2343,1140
730	800	0.50	20	LAY OUT DIRECTIONAL TOOLS
800				

NOTES CH3ECKED DEADMAN ANCHOR BRAKES AND LINKAGE FUNCTION CROWN SAVER
CHECKED BOP AND MANIFOLD VALVE ALIGNMENT FUNCTION REMOTE CHOKE C/O10secs

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
TRIPPING	130	19221

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	11

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER | RIG NO. 58

PROVINCE N.W.T. | CAMP X YES ☐ NO | RIG SAFETY DAYS 2749

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	10			BW
W.S.C.		MARK ZAHODA	10			MZ
DERRICK HAND		DOUG CHRISTIE	10			DC
MOTOR HAND		KENNETH LAUCK	10			KL
FLOOR HAND		BILL HETHERINGTON	10			BH
FLOOR HAND		MOSES LORD	10			ML
LEASE HAND		FREDDY CARPENTER	10			FC

RATE SCHEDULE | X | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS	DRIVERS
33	BRIAN WYATT
	DOUG CHRISTIE

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	D.P.	STANDS	
	D.P.	SINGLES	
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED

@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		DAVID FRANKLIN				
LEASE HAND		COREY COLBOURNE				

RATE SCHEDULE | | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS	DRIVERS
2749	

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	D.P.	STANDS	
	D.P.	SINGLES	
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED

@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT				
W.S.C.		MARK ZAHODA				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

RATE SCHEDULE | | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS	DRIVERS
2749	BRIAN WYATT
	DOUG CHRISTIE

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (one/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 MONTH 10 DAY 10
RIG NO. 58
FUEL @ 05:00 HRS
RIG 131 BOILER

WEATHER
TEMPERATURE
CURRENT CONDITIONS: CloudPartly
WIND DIRECTION: N.E.
ROAD CONDITION: MUDDY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051010_1C		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 STUCK PIPE	23 LOSSES	24	25	26	TOTALS
MORN		0.25																					7.75				8.00
DAY		0.25																									8.00
EVE					3.75	2.5	0.25														0.25	7.5					8.00
																						1.5					
TOTAL		0.50			3.75	2.50	0.25														0.25	9.00	7.75				24.00

NO. J	TYPE	TYPE
SCREENS CHANGED	Derrick FLC	Derrick FLC
NEW / USED		
TOP	110	110
MIDDLE	140	140
BOTTOM	140	140

SHALE SHAKER(S)

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	168	363	
ACCUM MJ	21294		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	10.5		
TOTAL TOP DRIVE HRS	293.75		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 10 | DAY 10
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER DAVE LAUCK | RIG NO. 58
PROVINCE N.W.T. | CAMP [X] YES [ ] NO | RIG SAFETY DAYS 2748

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	8			BW
W.S.C.		MARK ZAHODA	8			MZ
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 32 | DRIVERS: BRIAN WYATT, DOUG CHRISTIE

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		DAVID FRANKLIN	12			DF
LEASE HAND		COREY COLBOURNE	12			CC

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2748 | DRIVERS:

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	4			BW
W.S.C.		MARK ZAHODA	4			MZ
DERRICK HAND		DOUG CHRISTIE	4			DC
MOTOR HAND		KENNETH LAUCK	4			KL
FLOOR HAND		BILL HETHERINGTON	4			BH
FLOOR HAND		MOSES LORD	4			ML
LEASE HAND		FREDDY CARPENTER	4			FC

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2748 | DRIVERS: BRIAN WYATT, DOUG CHRISTIE

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT		0.29
1	MOTOR	121	7.46
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
1	X.O.	121	.61
18	89mm Drill pipe	89	174.36
1	JAR	121	4.77
170	89mm Drill pipe	89	1644.25
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
43	D.P.	STANDS	1229.77
	D.P.	SINGLES	
KELLY DOWN			-3.19
TOTAL			3568.25
WT. OF D.C.	37		
WT. OF STRING	94		

BIT RECORD

BIT NO.	5		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	PDC HCM404		
SERIAL NO.	7104208		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)	3568		
DEPTH IN (m)	3453		
TOTAL DRILLED (m)	115.00		
TOTAL HRS RUN	15.75		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	55-UP 64-DN SLIDING
TORQUE AT BOTTOM	12800
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [ ]

TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAL CARB 'O'	56	SX
CAL CARB 325	28	SX
CAL CARB P/G	28	SX
PRIMA SEAL M	15	SX
QSTOP/F	30	SX
GEL	25	SX
SODA ASH	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE / PUMP NO. 1 / PUMP NO. 2

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
18300	127		127	90

REDUCED PUMP SPEED: 3560 @ 3563 @ 52

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3563	3568	D	30	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	2	DRILL F/3563m T/3568m
15	400	3.75	24	LOSSES @ 3568m 90% DROP IN FLOW FLOW CHECK @ 3560m FLUID DROP IN ANNULAS
				CIRCULATE AND MAKE UP LCM PILL LOSSES @ 52 SPM 100%
				MIX AND SPOT 9 m3 OF LCM PILL WITH 1880stks TOTAL LOSSES PRIOR TO PUMPING
				LCM PILL 34.4 m3
400	430	0.50	24	CIRCULATE AND BUILD VOLUME @ REDUCED PUMP RATE 50spm 20% FLOW
				SHOWING NO LOSSES
430	800	3.50	24	CIRCULATE @ 90spm THERE APPEAR TO BE 0% LOSSES FLOW @ 27%
800				BUILD VOLUME

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FUNCTION CROWN SAVER
REVIEWED JSA I-4 MIX MUD

DRILLER SIGNATURE: BRIAN WYATT

SPECIAL EVENT	TIME / DEPTH		SAFETY TOPIC	MEHL	MACP
LOSS CIRCULATION	0015	3568	MIXING MUD PRODUCT	150	18496

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT		0.29
1	MOTOR	121	7.46
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
1	X.O.	121	.61
18	89mm Drill pipe	89	174.36
1	JAR	121	4.77
170	89mm Drill pipe	89	1644.25
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
43	D.P.	STANDS	1229.77
1	D.P.	SINGLES	9.54
KELLY DOWN			-11.98
TOTAL			3569.00
WT. OF D.C.	37		
WT. OF STRING	94		

BIT RECORD

BIT NO.	5		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	PDC HCM404		
SERIAL NO.	7104208		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)	3569		
DEPTH IN (m)	3453		
TOTAL DRILLED (m)	116.00		
TOTAL HRS RUN	16		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	55-UP 60-DN
TORQUE AT BOTTOM	13400
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [ ]

TIME	900				
DENSITY (kg/m3)	1070				
FUNNEL VISCOSITY	60				
FLUID LOSS (cm3)					
pH	10				
PVT	50.8				

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	2	SX
QSTOP/F	12	SX
GEL	40	SX
CAL CARB P/G	5	SX
PRIMA SEAL C	5	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE / PUMP NO. 1 / PUMP NO. 2

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
17500	127		127	60

REDUCED PUMP SPEED: 3560 @ 3563 @ 52

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3568	3569	D	30	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	830	0.25	2	DRILL F/3568m T3569m
830	1600	7.50	22	Work Stuck Pipe
1600				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-24 CIRCULATING, I-4 MIX MUD

DRILLER SIGNATURE: KEVIN VANDENBRAND

SPECIAL EVENT	TIME / DEPTH		SAFETY TOPIC	MEHL	MACP
			MIX MUD		18496

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT		0.29
1	MOTOR	121	7.46
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
1	X.O.	121	.61
18	89mm Drill pipe	89	174.36
1	JAR	121	4.77
170	89mm Drill pipe	89	1644.25
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
43	D.P.	STANDS	1229.77
1	D.P.	SINGLES	9.54
KELLY DOWN			-11.98
TOTAL			3569.00
WT. OF D.C.	37		
WT. OF STRING	94		

BIT RECORD

BIT NO.	5		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	PDC HCM404		
SERIAL NO.	7104208		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)	3569		
DEPTH IN (m)	3453		
TOTAL DRILLED (m)	116.00		
TOTAL HRS RUN	16		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [ ]

TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GEL	10	SX
SODA ASH	1	SX
CAL CARB 325	28	SX
CAL CARB 'O'	56	SX
CAL CARB P/G	28	SX
PRIMA SEAL M	15	SX
QSTOP/F	30	SX
BARITE	40	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE / PUMP NO. 1 / PUMP NO. 2

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
13420	127	83	127	

REDUCED PUMP SPEED: 3560 @ 3563 @ 52

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1730	1.50	22	Work Stuck Pipe
1730	1830	1.00	6	Pull 4 Stands - Flow Check, Lost 1m3 in 10min
1830	2030	2.00	5	Circulate & Work Pipe while building lcm pill
2030	2045	0.25	6	RUN IN TO 3551m TO SPOT LCM PILL
2045	2230	1.75	5	CIRCULATE AND SPOT 9.4m3 LCM PILL @ 3551m PULL UP TO 3434m AND FLOW CHECK
2230	2315	0.75	6	PULL TO 3292m FLOW CHECK PUMP PILL
2315	2345	0.50	6	PULL OUT TO LAY OUT DIR TOOLS
2345	2400	0.25	7	RIG SERVICE FUNCTION LOWER PIPE RAMS C/O 5secs
2400				

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FAST LINE CLAMP FUNCTION CROWN SAVER

DRILLER SIGNATURE: BRIAN WYATT

SPECIAL EVENT	TIME / DEPTH		SAFETY TOPIC	MEHL	MACP
			TRIPPING	150	19221

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List.)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Sour Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	O	P	R	M

YEAR 2005 | MONTH 10 | DAY 10
RIG NO. 58
FUEL @ 08:00 HRS
RIG 131 | BOILER
WEATHER
TEMPERATURE 1
CURRENT CONDITIONS Cloud/Partly
WIND DIRECTION N.E.
ROAD CONDITION MUDDY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12
TIME	00:15
RIG RELEASE	
TIME	
WELL TYPE	DIR.
RE-ENTRY	YES
OPERATOR'S AFE	
KELLY BSHG	6.8
OP FUEL	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20051010_1B
VENDOR SOFTWARE VERSION	EDR 3-1-4 HF2 ETS 2.2

CAODC

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24 LOSSES	25	26	TOTALS
MORN		0.25																					1	7.75			8.00
DAY																											
EVE																											
TOTAL		0.25																						7.75			8.00

SHALE SHAKER(S)

NO.	TYPE
2	Derrick FLC

SCREENS CHANGED | NEW/USED
TOP 110 | 110
MIDDLE 140 | 140
BOTTOM 140 | 140

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	168	363	
ACCUM MJ	21294		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	10.5		
TOTAL TOP DRIVE HRS	293.75		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	10

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER | RIG NO. 58
PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2748

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.29	
1	MOTOR	121	7.46
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
1	X.O.	121	.61
18	89mm Drill pipe	89	174.36
1	JAR	121	4.77
170	89mm Drill pipe	89	1644.25
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
43	D.P. STANDS		1229.77
	D.P. SINGLES		
	KELLY DOWN		-3.19
	TOTAL		3568.25
	WT. OF D.C.	37	
	WT. OF STRING	94	

BIT RECORD

BIT NO.	5
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104208
JETS	12.7 12.7 12.7 12.7
DEPTH OUT (m)	3568
DEPTH IN (m)	3453
TOTAL DRILLED (m)	115.00
TOTAL HRS RUN	15.5

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG 55-UP 64-DN SLIDING
TORQUE AT BOTTOM 12800
FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED	PRODUCT	AMOUNT	UNIT
	CAL CARB 'O'	56	SX
	CAL CARB 325	28	SX
	CAL CARB P/G	28	SX
	PRIMA SEAL M	15	SX
	QSTOP/F	30	SX
	GEL	25	SX
	SODA ASH	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	90

REDUCED PUMP SPEED: 3560 @ 3563 @ 52

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3563	3568	D	30	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	2	DRILL F/3563m T/3568m
15	400	3.75	24	LOSSES @ 3568m 90% DROP IN FLOW FLOW CHECK @ 3560m FLUID DROP IN ANNULAS
				CIRCULATE AND MAKE UP LCM PILL LOSSES @ 52 SPM 100%
				MIX AND SPOT 9 m3 OF LCM PILL WITH 1880stks TOTAL LOSSES PRIOR TO PUMPING
				LCM PILL 34.4 m3
400	430	0.50	24	CIRCULATE AND BUILD VOLUME @ REDUCED PUMP RATE 50spm 20% FLOW
				SHOWING NO LOSSES
430	800	3.50	24	CIRCULATE @ 90sprm THERE APPEAR TO BE 0% LOSSES FLOW @ 27%
800				

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FUNCTION CROWN SAVER

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL 150 | MACP 184

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 32

DRIVERS: BRIAN WYATT, DOUG CHRISTIE

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		BRIAN WYATT	8			BW
W.S.C.		MARK ZAHODA	8			MZ
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED	PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2748

DRIVERS:

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		DAVID FRANKLIN				
LEASE HAND		COREY COLBOURNE				

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED	PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2748

DRIVERS: BRIAN WYATT, DOUG CHRISTIE

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		BRIAN WYATT				
W.S.C.		MARK ZAHODA				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 10 | DAY 9
RIG NO. 58
FUEL @ 08:00 HRS
RIG 158 | BOILER
TEMPERATURE
CURRENT CONDITIONS: Cloud/Partly
WIND DIRECTION: N.E.
ROAD CONDITION: MUDDY

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN.ID. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM.	05-21883		
TOUR SHEET SERIAL NUM.	AKTA58_20051009_1C		
VENDOR SOFTWARE VERSION	EDR 3-1-4 HF2 ETS 2.2		

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		5.25	0.75		1.0					0.25																
DAY		4.75			1.5		0.25			1.25											0.25					
EVE		5.5			1.5		0.25			0.5											0.25					
TOTAL		15.50	0.75		4.00		0.50			2.00											0.50	0.75				

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
	NO 2 TYPE Derrick FLC / TYPE Derrick FLC	TOTAL MJ	165	963	
8.00	SCREENS CHANGED / NEW USED	ACCUM MJ	18893		
8.00	TOP 110 / TOP 110	ACCUM OIL LEVEL	31		
8.00	MIDDLE 140 / MIDDLE 140	TOP DRIVE HRS	6		
24.00	BOTTOM 140 / BOTTOM 140	TOTAL TOP DRIVE HRS	283.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	9
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER		RIG NO. 58	
PROVINCE: N.W.T.	CAMP: X YES / NO	RIG SAFETY DAYS 2747	

MORNING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.46
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
1	X.O.	121	.61
18	89mm Drill pipe	89	174.36
1	JAR	121	4.77
170	89mm Drill pipe	89	1644.25
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
39	D.P. STANDS		1115.16
2	D.P. SINGLES		19.12
	KELLY DOWN		-5.95
	TOTAL		3470.00
	WT. OF D.C.	37	
	WT. OF STRING	94	

BIT RECORD	
BIT NO.	5
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104208
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3470
DEPTH IN (m)	3453
TOTAL DRILLED (m)	17.00
TOTAL HRS RUN	5.25

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION	
HOLE DRAG	50-UP 37-DN NOT ROT
TORQUE AT BOTTOM	12800
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE		WATER BASED X	OIL BASED
TIME	0400	0600	
DENSITY (kg/m3)	1080	1080	
FUNNEL VISCOSITY	95	85	
FLUID LOSS (cm3)			
pH	10.5	10.5	
pvt	73.5	74.1	

MUD MATERIALS ADDED		
PRODUCT	AMOUNT	UNIT
EZ-Drill	2	BBL
LIME	2	SX
DRISCAL-D	2	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1080	1060	1980
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3453	3470	D	30	3

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
17300	127	85	127	

REDUCED PUMP SPEED: 7920 @ 50 @ 3446

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3441.83	80.2	307.6

DRILLER SIGNATURE: BRIAN WYATT

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	45	0.75	22	RUN IN 25 SINGLES E-3 D.P.
45	145	1.00	5	CIRCULATE TAG BRIDGE @ 3246m WHILE RIGGGING OUT LAY DOWN TRUCK
145	230	0.75	3	WASH TO BOTTOM F/ 3328m T/3453m
230	745	5.25	2	TAG BOTTOM @ 3453.58m DRILL F/3458.58m T/ 3470m
745	800	0.25	10	ACCUMULATED SURVEY TIME
800				

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FUNCTION CROWN SAVER AND PASON
ALARMS REVIEWED JSA G-29 PICK UP D.P. W/LAYDOWN TRUCK

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		PICK UP D.P.	144	18496

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 31

DRIVERS: BRIAN WYATT, DOUG CHRISTIE

DAY TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.46
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
1	X.O.	121	.61
18	89mm Drill pipe	89	174.36
1	JAR	121	4.77
170	89mm Drill pipe	89	1644.25
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
41	D.P. STANDS		1191.88
2	D.P. SINGLES		-9.75
	KELLY DOWN		3523.80
	TOTAL		
	WT. OF D.C.	37	
	WT. OF STRING	94	

BIT RECORD	
BIT NO.	5
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104208
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3523.8
DEPTH IN (m)	3453
TOTAL DRILLED (m)	70.80
TOTAL HRS RUN	10

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION	
HOLE DRAG	55-up 35 dn sliding
TORQUE AT BOTTOM	12600
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE		WATER BASED X	OIL BASED
TIME	800	1100	1400
DENSITY (kg/m3)	1065	1065	1070
FUNNEL VISCOSITY	90	94	90
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
PVT.m3	74.3	74.4	72.3

MUD MATERIALS ADDED		
PRODUCT	AMOUNT	UNIT
DRISCAL-D	4	SX
LIME	6	SX
EZ-Drill	8	BBL

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1070	1040	2010
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3470	3523.8	D	35	4
		D	0	35

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
18500	127		127	90

REDUCED PUMP SPEED: 7208 @ 3500 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3460.95	80.7	308.0
3470.57	80.7	308.5
3480.13	80.6	308.1
3489.82	80.1	308.1
3499.37	79.5	309.2

DRILLER SIGNATURE: KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	830	0.25	5	Circulate & Work Pipe Prior To Connection
830	930	1.00	2	Drill f/ 3470m to 3485.57m
930	945	0.25	5	Circulate & Work Pipe Prior To Survey
945	1015	0.50	2	Drill f/ 3485.57m TO 3495.13m
1015	1030	0.25	5	Circulate & Work Pipe Prior To Survey
1030	1200	1.50	2	Drill f/ 3495.13m to 3504.8m
1200	1315	1.25	10	Accumulated Survey Time
1315	1330	0.25	5	Circulate & Work Pipe Prior To Connection
1330	1345	0.25	7	Rig Service - Function Test Top Pipe Rams 6 sec/cls - Check RSPP
1345	1445	1.00	2	Drill f/ 3504.8m to 3514.37m
1445	1500	0.25	5	Circulate & Work Pipe Prior To Survey
1500	1545	0.75	2	Drill f/ 3514.37m to 3523.88m
1545	1600	0.25	5	Circulate & Work Pipe Prior To Survey

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # A-2 WORK @ HEIGHTS, A-18 FALL PROTECTION POLICY REVISIONS
TOPIC OF THE WEEK - FALL ARREST

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		FALL ARREST		18496

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2747

DRIVERS: BRIAN WYATT, DOUG CHRISTIE

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.46
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
1	X.O.	121	.61
18	89mm Drill pipe	89	174.36
1	JAR	121	4.77
170	89mm Drill pipe	89	1644.25
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
43	D.P. STANDS		1229.77
2	D.P. SINGLES		19.07
	KELLY DOWN		-27.51
	TOTAL		3563.00
	WT. OF D.C.	37	
	WT. OF STRING	94	

BIT RECORD	
BIT NO.	5
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104208
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3563
DEPTH IN (m)	3453
TOTAL DRILLED (m)	110.00
TOTAL HRS RUN	15.5

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION	
HOLE DRAG	55-UP 64-DN
TORQUE AT BOTTOM	13000
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE		WATER BASED X	OIL BASED
TIME	1730	1900	2300
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	86	91	85
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
PVT	71.4	70.7	71.7

MUD MATERIALS ADDED		
PRODUCT	AMOUNT	UNIT
LIME	2	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1070	1050	2010
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3523	3563	D	30	4

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
90	127		127	18500

REDUCED PUMP SPEED: 7208 @ 3500 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3508.88	79.4	309.0
3518.55	79.2	309.2
3528.07	78.9	309.0
3537.41	78.8	308.7
3546.94	79.0	308.4

DRILLER SIGNATURE: BRIAN WYATT

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1715	1.25	2	Drill f/ 3523.88m to 3533.55m
1715	1730	0.25	5	Circulate & Work Pipe Prior To Connection
1730	1815	0.75	2	Drill f/ 3533.55m to 3543.07m
1815	1830	0.25	5	Circulate & Work Pipe Prior To Survey
1830	2200	3.50	2	Drill f/ 3543.07m t/ 3563m
2200	2215	0.25	21	PRETOUR SAFETY MEETING
2215	2245	0.50	10	ACCUMULATED SURVEY TIME
2245	2300	0.25	7	RIG SERVICE FUNCTION ANNULAR C/O 10secs
2300	2400	1.00	5	CIRCULATE AND WORK PIPE PRIOR TO CONNECTIONS & SURVEY TIME
2400				

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FUNCTION CROWN SAVER AND PASON ALARMS
CHECKED BOP AND MANIFOLD VALVE ALIGNMENT FUNCTION REMOTE CHOKE C/O 10secs
TOPIC OF THE WEEK - FALL ARREST

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		FALL ARREST	150	18496

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2747

DRIVERS: BRIAN WYATT, DOUG CHRISTIE

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO	INJURIES
DRILLER		BRIAN WYATT	8				BW
W.S.C.		MARK ZAHODA	8				MZ
DERRICK HAND		DOUG CHRISTIE	8				DC
MOTOR HAND		KENNETH LAUCK	8				KL
FLOOR HAND		BILL HETHERINGTON	8				BH
FLOOR HAND		MOSES LORD	8				ML
LEASE HAND		FREDDY CARPENTER	8				FC

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO	INJURIES
DRILLER		KEVIN VANDENBRAND	12				KV
DERRICK HAND		SHAWN WATSON	12				SW
MOTOR HAND		GREG ST.ARNAUD	12				GS
FLOOR HAND		JUSTIN MILLER	12				JM
FLOOR HAND		DAVID FRANKLIN	12				DF
LEASE HAND		COREY COLBOURNE	12				CC

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO	INJURIES
DRILLER		BRIAN WYATT	8				BW
W.S.C.		MARK ZAHODA	8				MZ
DERRICK HAND		DOUG CHRISTIE	8				DC
MOTOR HAND		KENNETH LAUCK	8				KL
FLOOR HAND		BILL HETHERINGTON	8				BH
FLOOR HAND		MOSES LORD	8				ML
LEASE HAND		FREDDY CARPENTER	8				FC

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	OPR	R.M

YEAR 2005 | MONTH 10 | DAY 9

RIG NO. 58

FUEL @ 08:00 HRS

RIG 158 | BOILER

WEATHER: TEMPERATURE 1 | CURRENT CONDITIONS CloudPartly | WIND DIRECTION N.E. | ROAD CONDITION MUDDY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051009_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

TIMES

CODE NO. 1 RIGUP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OFF DRILL LINE | 10 DEV. SURVEY | 11 WIRELINE LOGS | 12 RUN CSG & CEMENT | 13 WAIT ON CEMENT | 14 NIPPLE UP B.O.P. | 15 TEST B.O.P. | 16 DRILLSTEM TEST | 17 PLUG BACK | 18 SQUEEZE CEMENT | 19 FISHING | 20 DIR. WORK | 21 SAFETY MEETING | 22 | 23 | 24 | 25 | 26

	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING	22	23	24	25	26
MORN		5.25	0.75		1.0					0.25																
DAY																										
EVE																					0.75					
TOTAL		5.25	0.75		1.00					0.25											0.75					

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN.	DAY	EVE
8.00	NO / TYPE 1 Derrick FLC / 2 Derrick FLC	TOTAL MJ	165	963	
	SCREENS CHANGED: NEW / USED:	ACCUM MJ	18893		
	TOP 110 / TOP 110	ACCUM OIL LEVEL	31		
	MIDDLE 140 / MIDDLE 140	TOP DRIVE HRS	6		
8.00	BOTTOM 140 / BOTTOM 140	TOTAL TOP DRIVE HRS	283.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	9

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER | RIG NO. 58

PROVINCE N.W.T. | CAMP X YES ☐ NO | RIG SAFETY DAYS 2747

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
1	MOTOR	121	7.46
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
1	X.O.	121	.61
18	89mm Drill pipe	89	174.36
1	JAR	121	4.77
176	89mm Drill pipe	89	1644.25
36	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
39	D.P.	STANDS	1115.16
2	D.P.	SINGLES	19.12
	KELLY DOWN		-5.95
	TOTAL		3470.00
	WT. OF D.C.	37	
	WT. OF STRING	88	

BIT RECORD

BIT NO.	5
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104208
JETS	12.7 / 12.7 / 12.7 / 12.7
DEPTH OUT (m)	3470
DEPTH IN (m)	3453
TOTAL DRILLED (m)	17.00
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	50-UP 37-DN NOT ROT
TORQUE AT BOTTOM	12800
FILL ON BOTTOM (m)	

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED ☐

TIME	0400	0600
DENSITY (kg/m3)	1080	1080
FUNNEL VISCOSITY	95	85
FLUID LOSS (cm3)		
pH	10.5	10.5
pvt	73.5	74.1

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
EZ-Drill	2	BBL
LIME	2	SX
DRISCAL-D	2	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1080	1060	1980

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3453	3470	D	30	3

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127	85	127	

CIRCULATION PRESSURE kPa: 17300

REDUCED PUMP SPEED

7920 @ 50 @ 3446

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3441.83	80.2	307.6

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	45	0.75	22	RUN IN 25 SINGLES E-3 D.P.
45	145	1.00	5	CIRCULATE TAG BRIDGE @ 3246m WHILE RIGGGING OUT LAY DOWN TRUCK
145	230	0.75	3	WASH TO BOTTOM F/ 3328m T/3453m
230	745	5.25	2	TAG BOTTOM @ 3453.58m DRILL F/3458.58m T/ 3470m
745	800	0.25	10	ACCUMULATED SURVEY TIME
800				

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FUNCTION CROWN SAVER AND PASON
ALARMS REVIEWED JSA G-29 PICK UP D.P. W/LAYDOWN TRUCK

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
PICK UP D.P.	144	18496

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		BRIAN WYATT	8			BW
W.S.C.		MARK ZAHODA	8			MZ
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

RATE SCHEDULE | X | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS: 31

DRIVERS: BRIAN WYATT; DOUG CHRISTIE

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME		
DENSITY (kg/m3)		
FUNNEL VISCOSITY		
FLUID LOSS (cm3)		
pH		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEH. | MACP

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		DAVID FRANKLIN				
LEASE HAND		COREY COLBOURNE				

RATE SCHEDULE | | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS: 2747

DRIVERS:

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME		
DENSITY (kg/m3)		
FUNNEL VISCOSITY		
FLUID LOSS (cm3)		
pH		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		127	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEH. | MACP

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		BRIAN WYATT				
W.S.C.		MARK ZAHODA				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

RATE SCHEDULE | | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS: 2747

DRIVERS: BRIAN WYATT; DOUG CHRISTIE

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R M
(1.) Daily Walk Around Inspection		
(2.) Delayed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (one/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Meet Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 MONTH 10 DAY 8
RIG NO. 58
FUEL @ 08:00 HRS
RIG 174 BOILER
WEATHER
TEMPERATURE
CURRENT CONDITIONS Cloud/Partly
WIND DIRECTION N.E.
ROAD CONDITION MUDDY

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
LAST CASING TUBING OR LINER									

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T..INT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051008_1E		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 RIG UP LAY DOWN IT TRUCK	23	24	25	26	TOTALS
MORN																				0.25	0.25	5.75	1.75			8.00
DAY																				1.5	0.25	6.25				8.00
EVE																					0.25	7.75				8.00
TOTAL																				1.75	0.75	19.75	1.75			24.00

SHALE SHAKER(S)				RENTALS / SERVICES	MORN	DAY	EVE
NO. 7	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	161	856	
SCREENS CHANGED		NEW USED		ACCUM MJ	14786		
TOP 110	MIDDLE 140	BOTTOM 140	TOP 110 / MIDDLE 140 / BOTTOM 140	ACCUM OIL LEVEL	31		
				TOP DRIVE HRS	6		
				TOTAL TOP DRIVE HRS	283.25		

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
40	D.P. STANDS		1147.04
	D.P. SINGLES		
	KELLY DOWN		-18.00
	TOTAL		3453.09
	WT. OF D.C.	37	
	WT. OF STRING	88	

	MORNING TOUR	DAY TOUR	EVENING TOUR
BIT NO.	4B	5	5
SIZE	156	156	156
IADC CODE			
MANUFACTURER	HUGHES	HUGHES	HUGHES
TYPE	PDC HCM404	PDC HCM404	PDC HCM404
SERIAL NO.	7104 229	7104 229 / 7104208	7104208
JETS	12.7 12.7	12.7 12.7 12.7 12.7 / 12.7 12.7 12.7	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3453	3453	
DEPTH IN (m)	3073	3073	
TOTAL DRILLED (m)	380.00	380.00	
TOTAL HRS RUN	49.25	49.25	

CUTTING STRUCTURE

	Ti	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
MORNING TOUR	5	8	BT	A	1	1	WT	PR	

HOLE CONDITION

	MORNING TOUR	DAY TOUR	EVENING TOUR
HOLE DRAG			
TORQUE AT BOTTOM			
FILL ON BOTTOM (m)			

MUD RECORD

	MORNING TOUR	DAY TOUR	EVENING TOUR
MUD TYPE			
WATER BASED	X		
OIL BASED		X	
TIME			
DENSITY (kg/m3)		PVT.m3	
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
MORNING TOUR		
DAY TOUR	BARITE	30 SX
EVENING TOUR		

SOLIDS CONTROL

CENTRIFUGE

	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
MORNING TOUR				
DAY TOUR	0			
	0			
EVENING TOUR				

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
MORNING TOUR	127		127	
DAY TOUR	127		127	
EVENING TOUR	127		127	

REDUCED PUMP SPEED

	@	@
MORNING TOUR		
DAY TOUR		
EVENING TOUR		

DEVIATION SURVEYS

	DEPTH (m)	DEVIATION	DIRECTION
MORNING TOUR			
DAY TOUR			
EVENING TOUR			

DRILLER SIGNATURE

MORNING TOUR	BRIAN WYATT
DAY TOUR	KEVIN VANDENBRAND
EVENING TOUR	BRIAN WYATT

METRES DRILLED

	FROM	TO	D-R-C	RPM	WOB
MORNING TOUR					
DAY TOUR					
EVENING TOUR					

TIME LOG

MORNING TOUR

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	SAFETY MEETING
15	600	5.75	22	RIG UP AND LAY OUT 89mm DRILL PIPE
600	615	0.25	20	DIR. WORK CHANGE OUT MOTOR, MWD TOOL AND BIT
615	800	1.75	23	STRAP PIPE AND LOAD 89mm HWDP ON RACKS
800				
				HOLE FILL RESULTS CAL=13.34/MEA16.24/DIFF=2.90

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE
REVEIWED JSA G-27 RIG UP,LAYDOWN TRUCK, G-30 LAYDOWN DRILL STRING W/ LAYDOWN TRUCK

SPECIAL EVENT / TIME / DEPTH

	SAFETY TOPIC	MEHL	MACP
MORNING TOUR	LAYDOWN DRILL STRING	65	18496
DAY TOUR	PICK UP DRILL PIPE		18496
EVENING TOUR	PICK UP DRILL PIPE	110	18496

DAY TOUR

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	930	1.25	20	Pick Up Mud Motor, Make Up Bit & Scrib
930	1215	2.75	22	Pick Up 170 jts. 3.5 D.P
1215	1230	0.25	20	Test MWD Tools
1230	1600	3.50	22	Pick Up 3.5 Drill Pipe

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

EVENING TOUR

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1645	0.75	22	Pick Up 3.5 Drill Pipe
1645	1745	1.00	22	Switch Laydown Truck Around To Pick Up 3.5 HWDP
1745	1830	0.75	22	Pick Up 3.5 HWDP
1830	1915	0.75	22	Run In 5 Stands Of 5inch HWDP FILL PIPE @ 2340m
1915	1930	0.25	21	SAFETY MEETING
1930	2015	0.75	22	LOAD E-3 DRILL PIPE ONTO PIPE RACKS AND STRAP SET ROTARY TORQUE 15800FT,LB
2015	2200	1.75	22	RUN IN 49 JTS E-3 D.P. FILL PIPE @ 2804m
2200	2300	1.00	22	LOAD E-3 D.P. ON RACKS AND STRAP
2300	2400	1.00	22	RUN IN 70 SINGLES E-3 D.P.
2400				

NOTES: CHECKED DEADMAN ANCHOR FAST LINE CLAMP VISUAL ON DRILL LINE BRAKES AND LINKAGE

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	8

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER | RIG NO. 58

PROVINCE N.W.T. | CAMP X YES / NO | RIG SAFETY DAYS 2746

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	8			BW
W.S.C.		MARK ZAHODA	8			MZ
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS	DRIVERS
30	BRIAN WYATT / DOUG CHRISTIE

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		DAVID FRANKLIN	12			DF
LEASE HAND		COREY COLBOURNE	12			CC

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS	DRIVERS
2746	

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	4			BW
W.S.C.		MARK ZAHODA	4			MZ
DERRICK HAND		DOUG CHRISTIE	4			DC
MOTOR HAND		KENNETH LAUCK	4			KL
FLOOR HAND		BILL HETHERINGTON	4			BH
FLOOR HAND		MOSES LORD	4			ML
LEASE HAND		FREDDY CARPENTER	4			FC

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS	DRIVERS
2746	BRIAN WYATT / DOUG CHRISTIE

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (QPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Location & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 MONTH 10 DAY 8
RIG NO. 58
FUEL @ 08:00 HRS
RIG 174 BOILER
WEATHER: TEMPERATURE 1; CURRENT CONDITIONS Cloud/Partly; WIND DIRECTION N.E.; ROAD CONDITION MUDDY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE:	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051008_1D		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 RIG UP LAY	23 CSG/CMT/FLUIDS	24	25	26	TOTALS
TIME-HRS MORN																				0.25	0.25	5.75	1.75				8.00
DAY																											
EVE																											
TOTAL																				0.25	0.25	5.75	1.75				8.00

SHALE SHAKER(S) / RENTALS / SERVICES

NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
2	Derrick FLC	Derrick FLC	TOTAL MJ	161	856	
SCREENS CHANGED		NEW / USED	ACCUM MJ	14786		
TOP 110		TOP 110	ACCUM OIL LEVEL	31		
MIDDLE 140		MIDDLE 140	TOP DRIVE HRS	6		
BOTTOM 140		BOTTOM 140	TOTAL TOP DRIVE HRS	283.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	8
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.	58
PROVINCE: N.W.T.	CAMP: X YES ☐ NO	RIG SAFETY DAYS	2746

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		29
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
40	D.P. STANDS		1147.04
	D.P. SINGLES		
KELLY DOWN			-18.00
TOTAL			3453.09
WT. OF D.C.	37		
WT. OF STRING	88		

BIT RECORD

BIT NO.	4B	
SIZE	156	
IADC CODE		
MANUFACTURER	HUGHES	
TYPE	PDC HCM404	
SERIAL NO.	7104 229	
JETS	12.7	12.7
	12.7	12.7
DEPTH OUT (m)	3453	
DEPTH IN (m)	3073	
TOTAL DRILLED (m)	380.00	
TOTAL HRS RUN	49.25	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
5	8	BT	A	1	1	WT	PR	

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ____ WATER BASED [X] OIL BASED ☐
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL
CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
BOILERS: 1 / 2 — HRS RUN 0 / 0; BOILER pH; STACK TEMP

CIRCULATION PRESSURE kPa
PUMP NO. 1: LINER SIZE 127 | SPM
PUMP NO. 2: LINER SIZE 127 | SPM
REDUCED PUMP SPEED: @ | @
DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	SAFETY MEETING
15	600	5.75	22	RIG UP AND LAY OUT 89mm DRILL PIPE
600	615	0.25	20	DIR. WORK CHANGE OUT MOTOR, MWD TOOL AND BIT
615	800	1.75	23	STRAP PIPE AND LOAD 89mm HWDP ON RACKS
800				
				HOLE FILL RESULTS CAL=13.34/MEA16.24/DIFF=2.90

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE
REVEIWED JSA G-27 RIG UP,LAYDOWN TRUCK, G-30 LAYDOWN DRILL STRING W/ LAYDOWN TRUCK

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
LAYDOWN DRILL STRING	65	18496

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
30	BRIAN WYATT
	DOUG CHRISTIE

MORNING TOUR	FROM 0	TO 800		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		BRIAN WYATT	8	BW
W.S.C.		MARK ZAHODA	8	MZ
DERRICK HAND		DOUG CHRISTIE	8	DC
MOTOR HAND		KENNETH LAUCK	8	KL
FLOOR HAND		BILL HETHERINGTON	8	BH
FLOOR HAND		MOSES LORD	8	ML
LEASE HAND		FREDDY CARPENTER	8	FC

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN
CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR
HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE ____ WATER BASED ☐ OIL BASED ☐
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH
MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT
SOLIDS CONTROL: CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
BOILERS: 1 / 2 — HRS RUN 0 / 0; BOILER pH; STACK TEMP
CIRCULATION PRESSURE kPa
PUMP NO. 1: LINER SIZE 127 | SPM
PUMP NO. 2: LINER SIZE 127 | SPM
REDUCED PUMP SPEED: @ | @
DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION
DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
NOTES:
SPECIAL EVENT / TIME / DEPTH
SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2746	

DAY TOUR	FROM 800	TO 1600		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		KEVIN VANDENBRAND		
DERRICK HAND		SHAWN WATSON		
MOTOR HAND		GREG ST.ARNAUD		
FLOOR HAND		JUSTIN MILLER		
FLOOR HAND		DAVID FRANKLIN		
LEASE HAND		COREY COLBOURNE		

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN
CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR
HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE ____ WATER BASED ☐ OIL BASED ☐
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH
MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT
SOLIDS CONTROL: CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
BOILERS: 1 / 2 — HRS RUN 0 / 0; BOILER pH; STACK TEMP
CIRCULATION PRESSURE kPa
PUMP NO. 1: LINER SIZE 127 | SPM
PUMP NO. 2: LINER SIZE 127 | SPM
REDUCED PUMP SPEED: @ | @
DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION
DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
NOTES:
SPECIAL EVENT / TIME / DEPTH
SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2746	BRIAN WYATT
	DOUG CHRISTIE

EVENING TOUR	FROM 1600	TO 2400		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		BRIAN WYATT		
W.S.C.		MARK ZAHODA		
DERRICK HAND		DOUG CHRISTIE		
MOTOR HAND		KENNETH LAUCK		
FLOOR HAND		BILL HETHERINGTON		
FLOOR HAND		MOSES LORD		
LEASE HAND		FREDDY CARPENTER		

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (Q'PR'R'M)

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 10 | DAY 7
RIG NO. 58
FUEL @ 08:00 HRS
RIG 93 | BOILER

WEATHER: TEMPERATURE | CURRENT CONDITIONS: CloudPartly | WIND DIRECTION: N.E. | ROAD CONDITION: MUDDY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051007_1D		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TOUR HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 laydown pipe	23 unload pipe	24	25	26
MORN		3.25	0.5		1.25	2.25	0.25			0.25											0.25					
DAY					1.5	2.5															0.5	3.5				
EVE																					0.25	4.25	3.5			
TOTAL		3.25	0.50		2.75	4.75	0.25			0.25											1.00	7.75	3.50			

TOTALS	SHALE SHAKER(S)			RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 1 / 2	TYPE Derrick FLC / Derrick FLC		TOTAL MJ	156	842	
	SCREENS CHANGED		NEW USED	ACCUM MJ	9771		
8.00	TOP 110	TOP 110		ACCUM OIL LEVEL	31		
8.00	MIDDLE 140	MIDDLE 140		TOP DRIVE HRS	7.25		
24.00	BOTTOM 140	BOTTOM 140		TOTAL TOP DRIVE HRS	277.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.		YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A		2005	10	7
OPERATOR	CONTRACTOR NAME			
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.			
RIG MANAGER		RIG NO.		
		58		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	X YES / NO	2745		

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121 7.85	
1	Float/Restrictor Sub	120 .66	
1	M.W.D.	121 9.49	
1	Transmitter Sub	119 1.51	
2	FLEX MONEL	121 18.98	
9	89mm Drill pipe	89 86.82	
1	JAR	121 3.87	
165	89mm Drill pipe	89 1593.77	
50	89mm H.W.D.P.	89 459.21	
1	X.O.	.40	
15	H.W.D.P.	127 141.20	
40	D.P. STANDS		1147.04
	D.P. SINGLES		
KELLY DOWN			-18.00
TOTAL			3453.09
WT. OF D.C.	37		
WT. OF STRING	88		

BIT NO.	4B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104 229
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3453
DEPTH IN (m)	3073
TOTAL DRILLED (m)	380.00
TOTAL HRS RUN	49.25

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG: 20-40 UP & DN
TORQUE AT BOTTOM: 11900
FILL ON BOTTOM (m):

MORNING TOUR — MUD RECORD

MUD TYPE		WATER BASED X	OIL BASED
TIME	0200	0300	0530
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	77	76	74
FLUID LOSS (cm3)	9.0		
pH	10.5	10.5	10.5
PVT	74.4	74.7	74.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
LIME	2	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
	1070	1050	1920

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
17800	127	93	127	

REDUCED PUMP SPEED: 6770 @ 53 @ 3440

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3436.87	80.3	307.7

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3451	3453	D	30	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	SAFETY MEETING
15	330	3.25	2	DRILL F/ 3451m T/ 3453m
330	345	0.25	7	RIG SERVICE FUNCTION LOWER PIPE RAMS C/O 5secs
345	400	0.25	5	CIRCULATE & WORK PIPE
400	415	0.25	10	ACCUMULATED DEVIATION SURVEY TIME
415	445	0.50	6	4 STAND WIPER TRIP TO 3338m
445	515	0.50	3	WASH BACK TO BOTTOM 3453m
515	615	1.00	5	CIRCULATE & WORK PIPE PRIOR TO WIPER TRIP TO SHOE @ 2566m
615	800	1.75	6	WIPER TRIP TO SHOE @ 2566m FLOW CHECK @3450,3328,2566
800				

NOTES: CHECKED DEADMAN ANCHOR FAST LINE CLAMP FUNCTION CROWN SAVER CHECKED BOP AND MANIFOLD VALVE ALIGNMENT FUNCTION PASON ALARMS REVIEWED JSA D-22 OPERATING DRILLERS PANEL

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		OPERATE DRILL PANEL	140	18496

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 29

DRIVERS: BRIAN WYATT, DOUG CHRISTIE

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	8			BW
W.S.C.		MARK ZAHODA	8			MZ
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

DAY TOUR — MUD RECORD

MUD TYPE		WATER BASED X	OIL BASED
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			
PVT.m3			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
	127		127	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	900	0.75	6	Wiper Trip To Shoe
900	1000	1.00	6	Trip Back In Hole
1000	1045	0.75	5	Wash Down f/ 3355m to 3453.5m
1045	1130	0.75	5	Circulate & work Pipe
1130	1145	0.25	21	Safety Meeting w/ Laydown Operators
1145	1215	0.50	22	Rig Up Laydown Truck
1215	1300	0.75	6	Rack Back 5 Stands In Derrick
1300	1600	3.00	22	Laydown Pipe w/ Laydown Truck
				Trip Record Cal = 3.65m3
				mea = 4.13m3
				diff = .48m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE REVIEWED JSA # G-27 RIG UP LAYDOWN TRUCK, G-30 LAYDOWN PIPE w/ LAYDOWN TRUCK

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		LAYDOWN PIPE		18496

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2745

DRIVERS:

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		DAVID FRANKLIN	12			DF
LEASE HAND		COREY COLBOURNE	12			CC

EVENING TOUR — MUD RECORD

MUD TYPE		WATER BASED	OIL BASED
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
	127		127	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1715	1.25	22	Laydown Pipe w/ Laydown Truck
1715	1800	0.75	22	RACK 5 STANDS OF HWDP IN DERRICK
1800	1815	0.25	22	Change Elevators & Spinner To 3 1/2
1815	1915	1.00	22	Laydown Pipe w/ Laydown Truck
1915	1930	0.25	21	SAFETY MEETING WITH LAYDOWN OPERATORS
1930	2030	1.00	22	LAYDOWN DP W/LAYDOWN TRUCK
2030	2400	3.50	23	UNLOAD 89mm S-135 ON TO PIPE RACKS
2400				

NOTES: CHECKED DEADMAN ANCHOR FAST LINE CLAMP BRAKES & LINKAGE REVIEWED JSA G-27 RIG UP & OUT LAYDOWN TRUCK G-30 LAYDOWN DRILL STRING

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		LAYING DOWN STRING	68	18496

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2745

DRIVERS: BRIAN WYATT, DOUG CHRISTIE

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	4			BW
W.S.C.		MARK ZAHODA	4			MZ
DERRICK HAND		DOUG CHRISTIE	4			DC
MOTOR HAND		KENNETH LAUCK	4			KL
FLOOR HAND		BILL HETHERINGTON	4			BH
FLOOR HAND		MOSES LORD	4			ML
LEASE HAND		FREDDY CARPENTER	4			FC

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Slick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Size Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 MONTH 10 DAY 7
RIG NO. 58
FUEL @ 08:00 HRS
RIG 93 BOILER
WEATHER
TEMPERATURE -1
CURRENT CONDITIONS Cloud/Partly
WIND DIRECTION N.E.
ROAD CONDITION MUDDY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051007_1B		
VENDOR SOFTWARE VERSION	EDR 3-1-4_HF2 ETS 2.2		

CAODC

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME HRS MORN		3.25	0.5		1.25	2.25	0.25			0.25											0.25					8.00
DAY																										
EVE																										
TOTAL		3.25	0.50		1.25	2.25	0.25			0.25											0.25					8.00

SHALE SHAKER(S)		RENTALS / SERVICES	MORN	DAY	EVE
NO. 2	TYPE Derrick FLC	TOTAL MJ	156	842	
SCREENS CHANGED	NEW USED	ACCUM MJ	9771		
TOP 110	TOP 110	ACCUM OIL LEVEL	31		
MIDDLE 140	MIDDLE 140	TOP DRIVE HRS	7.25		
BOTTOM 140	BOTTOM 140	TOTAL TOP DRIVE HRS	277.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	7
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER		RIG NO. 58	
PROVINCE: N.W.T.	CAMP: X YES / NO	RIG SAFETY DAYS: 2745	

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.29
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
40	D.P. STANDS		1147.04
	D.P. SINGLES		
KELLY DOWN			-18.00
TOTAL			3453.09
WT. OF D.C.	37		
WT. OF STRING	88		

BIT NO.	4B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104 229
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3453
DEPTH IN (m)	3073
TOTAL DRILLED (m)	380.00
TOTAL HRS RUN	49.25

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG: 20-40 UP & DN
TORQUE AT BOTTOM: 11900
FILL ON BOTTOM (m):

MORNING TOUR — MUD RECORD

MUD TYPE: WATER BASED [X] OIL BASED [ ]

TIME	0200	0300	0530
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	77	76	74
FLUID LOSS (cm3)	9.0		
pH	10.5	10.5	10.5
PVT	74.4	74.7	74.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
LIME	2	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
	1070	1050	1920

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa: 17800

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127	93	127	

REDUCED PUMP SPEED: 6770 @ 53 @ 3440

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3436.87	80.3	307.7

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3451	3453	D	30	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	SAFETY MEETING
15	330	3.25	2	DRILL F/ 3451m T/ 3453m
330	345	0.25	7	RIG SERVICE FUNCTION LOWER PIPE RAMS C/O 5secs
345	400	0.25	5	CIRCULATE & WORK PIPE
400	415	0.25	10	ACCUMULATED DEVIATION SURVEY TIME
415	445	0.50	6	4 STAND WIPER TRIP TO 3338m
445	515	0.50	3	WASH BACK TO BOTTOM 3453m
515	615	1.00	6	CIRCULATE & WORK PIPE PRIOR TO WIPER TRIP TO SHOE @ 2566m
615	800	1.75	6	WIPER TRIP TO SHOE @ 2566m FLOW CHECK @3450,3328,2566
800				

NOTES: CHECKED DEADMAN ANCHOR FAST LINE CLAMP FUNCTION CROWN SAVER CHECKED BOP AND MANIFOLD VALVE ALIGNMENT FUNCTION PASON ALARMS REVIEWED JSA D-22 OPERATING DRILLERS PANEL

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
OPERATE DRILL PANEL	140	18496

MORNING TOUR — CREW

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 29

DRIVERS: BRIAN WYATT; DOUG CHRISTIE

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		BRIAN WYATT	8		BW
W.S.C.		MARK ZAHODA	8		MZ
DERRICK HAND		DOUG CHRISTIE	8		DC
MOTOR HAND		KENNETH LAUCK	8		KL
FLOOR HAND		BILL HETHERINGTON	8		BH
FLOOR HAND		MOSES LORD	8		ML
LEASE HAND		FREDDY CARPENTER	8		FC

DAY TOUR

BIT RECORD: BIT NO. / SIZE / IADC CODE / MANUFACTURER / TYPE / SERIAL NO. / JETS / DEPTH OUT (m) / DEPTH IN (m) / TOTAL DRILLED (m) / TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

D.P. STANDS / D.P. SINGLES / KELLY DOWN / TOTAL / WT. OF D.C. / WT. OF STRING

HOLE CONDITION: HOLE DRAG / TORQUE AT BOTTOM / FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE / WATER BASED [ ] OIL BASED [ ] / TIME / DENSITY (kg/m3) / FUNNEL VISCOSITY / FLUID LOSS (cm3) / pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 / 2 — HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE / SPM | PUMP NO. 2 LINER SIZE / SPM: 127 / 127

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT / TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

DAY TOUR — CREW

RATE SCHEDULE: REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2745

DRIVERS:

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND			
DERRICK HAND		SHAWN WATSON			
MOTOR HAND		GREG ST.ARNAUD			
FLOOR HAND		JUSTIN MILLER			
FLOOR HAND		DAVID FRANKLIN			
LEASE HAND		COREY COLBOURNE			

EVENING TOUR

BIT RECORD: BIT NO. / SIZE / IADC CODE / MANUFACTURER / TYPE / SERIAL NO. / JETS / DEPTH OUT (m) / DEPTH IN (m) / TOTAL DRILLED (m) / TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

D.P. STANDS / D.P. SINGLES / KELLY DOWN / TOTAL / WT. OF D.C. / WT. OF STRING

HOLE CONDITION: HOLE DRAG / TORQUE AT BOTTOM / FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE / WATER BASED [ ] OIL BASED [ ] / TIME / DENSITY (kg/m3) / FUNNEL VISCOSITY / FLUID LOSS (cm3) / pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 / 2 — HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE / SPM | PUMP NO. 2 LINER SIZE / SPM: 127 / 127

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT / TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

EVENING TOUR — CREW

RATE SCHEDULE: REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2745

DRIVERS:

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		BRIAN WYATT			
W.S.C.		MARK ZAHODA			
DERRICK HAND		DOUG CHRISTIE			
MOTOR HAND		KENNETH LAUCK			
FLOOR HAND		BILL HETHERINGTON			
FLOOR HAND		MOSES LORD			
LEASE HAND		FREDDY CARPENTER			

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (once/week/month)
(2.) CADOC Rig Safet Inspection Checklist (one/q/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	OPR	H.M.

YEAR 2005 | MONTH 10 | DAY 6
RIG NO. 58
FUEL @ 08:00 HRS
RIG 116 | BOILER

WEATHER
TEMPERATURE °C
CURRENT CONDITIONS: CloudPartly
WIND DIRECTION: N.E.
ROAD CONDITION: MUDDY

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/ DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

	SPUD DATE	2005/08/12	TIME	00:15
	RIG RELEASE		TIME	
	WELL TYPE	DIR.	RE-ENTRY	YES
	OPERATOR'S AFE			
	KELLY BSHG	6.8	OP FUEL	
	CONTRACTOR'S JOB NUM	05-21883		
	TOUR SHEET SERIAL NUM	AKTA58_20051006_1C		
	VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CADOC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		2.75	1.25			3.25	0.25			0.25											0.25					
DAY		4.75			1.25	0.25				1.5											0.25					
EVE		5.25			2.25		0.25														0.25					
TOTAL		12.75	1.25		3.50	3.50	0.50			1.75											0.75					

TOTALS

	NO. 2	TYPE	TYPE
		Derrick FLC	Derrick FLC
8.00	SCREENS CHANGED		NEW USED
8.00	TOP	110	TOP 110
8.00	MIDDLE	140	MIDDLE 140
24.00	BOTTOM	140	BOTTOM 140

SHALE SHAKER(S)

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	153	321	
ACCUM MJ	62	51	
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	7.25		
TOTAL TOP DRIVE HRS	270.00		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	6

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2744

MORNING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
38	D.P. STANDS		1089.79
	D.P. SINGLES		
KELLY DOWN			-18.84
TOTAL			3395.00
WT. OF D.C.	37		
WT. OF STRING	84		

BIT NO.	4B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104 229
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3395
DEPTH IN (m)	3073
TOTAL DRILLED (m)	322.00
TOTAL HRS RUN	36

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	40UP/17DN NOT ROTAT
TORQUE AT BOTTOM	11400
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED

	0200	0400
TIME		
DENSITY (kg/m3)	1070	1070
FUNNEL VISCOSITY	95	92
FLUID LOSS (cm3)		
pH	10.5	10.5
PVT	75.6	75.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	2	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1070	1050	1970
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
18600	127	94	127	

REDUCED PUMP SPEED

5974 @ 50 @ 3326

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3361.06	81.5	308.4
3370.55	81.0	307.7

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3376	3395	D	30	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	SAFETY MEETING
15	300	2.75	2	DRILL F/ 3376m T/3395m
300	415	1.25	3	WORK TIGHT HOLE PRIOR TO WIPER TRIP
415	430	0.25	10	ACCUMULATED SURVEY TIME
430	745	3.25	6	WIPER TRIP TO SHOE FLOW CHECK @ 3384m,3241m,2564m
745	800	0.25	7	RIG SERVICE FUNCTION ANULAR C/O 11secs
800				
				HOLE FILL RESULTS CAL=3.42/MEA=0.09/DIFF=.33

NOTES: REVIEWED JSA A-15 WHMIS LABELING CHECKED DEADMAN ANCHOR FAST LINE CLAMP
FUNCTION CROWN SAVER

SPECIAL EVENT	TIGHT HOLE	WIPER TRIP		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	300	3390	415 / 2264	WHMIS LABLEING	127	18737

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 28

DRIVERS

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	8			BW
W.S.C.		MARK ZAHODA	8			MZ
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

INJURIES

DAY TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
39	D.P. STANDS		1118.3
	D.P. SINGLES		
KELLY DOWN			-15.85
TOTAL			3426.50
WT. OF D.C.	37		
WT. OF STRING	84		

BIT NO.	4B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104 229
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3426.5
DEPTH IN (m)	3073
TOTAL DRILLED (m)	353.50
TOTAL HRS RUN	40.75

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	20-40 UP & DN
TORQUE AT BOTTOM	11700
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED

	1000	1200	1600
TIME			
DENSITY (kg/m3)	1065	1065	1070
FUNNEL VISCOSITY	87	92	89
FLUID LOSS (cm3)			
pH	10.5	10.5	11.0
PVT.m3	73.7	72.1	74.4

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
EZ-Drill	2	BBL
LIME	2	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1070	1040	2035
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
18600	127	94	127	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3380.03	80.2	308.4
3389.48	80.6	307.8
3398.84	80.7	307.7

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3395	3426.5	D	35	5
			0	30

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	830	0.25	6	Trip In Hole
830	900	0.50	5	Wash Down f/ 3298m
900	1115	2.25	2	Drill f/ 3395m to 3404.5m
1115	1130	0.25	5	Circulate & Work Pipe Prior To Survey
1130	1230	1.00	2	Drill f/ 3404.5m to 3413.84m
1230	1245	0.25	5	Circulate & Work Pipe Prior To Connection
1245	1345	1.00	2	Drill f/ 3413.84m to 3423.44m
1345	1400	0.25	5	Circulate & Work Pipe Prior To Survey
1400	1430	0.50	2	Drill f/ 3423.44m to 3426.5m
1430	1600	1.50	10	Accumulated Survey Time

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-14 WASHING RIG, I-4 MIX MUD, D-25 CHANGE TONG DIES

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				PAINTING		18738

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2744

DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		DAVID FRANKLIN	12			DF
LEASE HAND		COREY COLBOURNE	12			CC

INJURIES

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
40	D.P. STANDS		1147.04
	D.P. SINGLES		
KELLY DOWN			-19.22
TOTAL			3451.87
WT. OF D.C.	37		
WT. OF STRING	88		

BIT NO.	4B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104 229
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3451
DEPTH IN (m)	3073
TOTAL DRILLED (m)	378.00
TOTAL HRS RUN	46

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	20-40 up & dn
TORQUE AT BOTTOM	11700
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED

	1800	2000	2300
TIME			
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	91	90	89
FLUID LOSS (cm3)			
pH	11.0	11	10.5
pvt	74.6	74.4	73.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1070	1050	1940
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
17500	127	94	127	

REDUCED PUMP SPEED

6770 @ 53 @ 3440

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3408.44	81.0	307.1
3417.94	81.0	306.7
3427.35	81.0	307.4

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3426	3451	D	30	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1715	1.25	2	Drill f/ 3426.5m to 3432.9m
1715	1730	0.25	5	Circulate & Work Pipe Prior To Survey
1730	1900	1.50	2	Drill f/ 3432.9m T/ 3434m
1900	1915	0.25	21	PRETOUR SAFETY MEETING
1915	2145	2.50	2	DRILL F/ 3424m T/ 3451m
2145	2200	0.25	7	RIG SERVICE FUNCTION UPPER PIPE RAMS C/O 5secs
2200	2400	2.00	5	CIRCULATE AND WORK PIPE
2400				

NOTES: CHECKED DEADMAN ANCHOR FAST LINE CLAMP BRAKES AND LINKAGE FUNCTION
CROWN SAVER AND REMOTE CHOKE C/O 10secs REVIEWED JSA D-25 CHANGE TONG DIES

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				CHANGE TONG DIES	145	18496

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2744

DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	4			BW
W.S.C.		MARK ZAHODA	4			MZ
DERRICK HAND		DOUG CHRISTIE	4			DC
MOTOR HAND		KENNETH LAUCK	4			KL
FLOOR HAND		BILL HETHERINGTON	4			BH
FLOOR HAND		MOSES LORD	4			ML
LEASE HAND		FREDDY CARPENTER	4			FC

INJURIES

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR.R.M.

YEAR 2005 MONTH 10 DAY 6
RIG NO. 58
FUEL @ 08:00 HRS
RIG 116 BOILER

WEATHER: TEMPERATURE 1 / CURRENT CONDITIONS CloudPartly / WIND DIRECTION N.E. / ROAD CONDITION MUDDY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM -	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051006_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		2.75	1.25			3.25	0.25			0.25											0.25					
DAY																										
EVE																										
TOTAL		2.75	1.25			3.25	0.25			0.25											0.25					

TOTALS	SHALE SHAKER(S) NO. 2	TYPE Derrick FLC	TYPE Derrick FLC	RENTALS / SERVICES	MORN	DAY	EVE
8.00	SCREENS CHANGED		NEW / USED	TOTAL MJ	153	321	
	TOP 110	TOP 110		ACCUM MJ	62	51	
	MIDDLE 140	MIDDLE 140		ACCUM OIL LEVEL	31		
	BOTTOM 140	BOTTOM 140		TOP DRIVE HRS	7.25		
8.00				TOTAL TOP DRIVE HRS	270.00		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	6

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2744

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
	BIT O.D.	
1	MOTOR 121	7.85
1	Float/Restrictor Sub 120	.66
1	M.W.D. 121	9.49
1	Transmitter Sub 119	1.51
2	FLEX MONEL 121	18.98
9	89mm Drill pipe 89	86.82
1	JAR 121	3.87
165	89mm Drill pipe 89	1593.77
50	89mm H.W.D.P. 89	459.21
1	X.O.	.40
15	H.W.D.P. 127	141.20
38	D.P. STANDS	1089.79
	D.P. SINGLES	
	KELLY DOWN	-18.84
	TOTAL	3395.00
	WT. OF D.C. 37	
	WT. OF STRING 84	

BIT NO.	4B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104 229
JETS	12.7 12.7 / 12.7
DEPTH OUT (m)	3395
DEPTH IN (m)	3073
TOTAL DRILLED (m)	322.00
TOTAL HRS RUN	36

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	40UP/17DN NOT ROTAT
TORQUE AT BOTTOM	11400
FILL ON BOTTOM (m)	

MORNING TOUR

MUD RECORD

MUD TYPE		WATER BASED	X	OIL BASED	
TIME	0200	0400			
DENSITY (kg/m3)	1070	1070			
FUNNEL VISCOSITY	95	92			
FLUID LOSS (cm3)					
pH	10.5	10.5			
PVT	75.6	75.5			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	2	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
	1070	1050	1970

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	HRS RUN 0
BOILER pH		BOILER pH
STACK TEMP		STACK TEMP

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
18600	127	94	127	

REDUCED PUMP SPEED

	@		@	
5974		50		3226

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3361.06	81.5	308.4
3370.55	81.0	307.7

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3376	3395	D	30	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	SAFETY MEETING
15	300	2.75	2	DRILL F/ 3376m T/3395m
300	415	1.25	3	WORK TIGHT HOLE PRIOR TO WIPER TRIP
415	430	0.25	10	ACCUMULATED SURVEY TIME
430	745	3.25	6	WIPER TRIP TO SHOE FLOW CHECK @ 3384m,3241m,2564m
745	800	0.25	7	RIG SERVICE FUNCTION ANULAR C/O 11secs
800				

NOTES: REVIEWED JSA A-15 WHMIS LABELING CHECKED DEADMAN ANCHOR FAST LINE CLAMP
FUNCTION CROWN SAVER

SPECIAL EVENT	TIGHT HOLE		WIPER TRIP		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	300	3390	415	2264	WHMIS LABLEING	127	18737

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
28	

MORNING TOUR	FROM 0	TO 800		INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		BRIAN WYATT	8		BW
W.S.C.		MARK ZAHODA	8		MZ
DERRICK HAND		DOUG CHRISTIE	8		DC
MOTOR HAND		KENNETH LAUCK	8		KL
FLOOR HAND		BILL HETHERINGTON	8		BH
FLOOR HAND		MOSES LORD	8		ML
LEASE HAND		FREDDY CARPENTER	8		FC

DAY TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
	BIT O.D.	
	D.P. STANDS	
	D.P. SINGLES	
	KELLY DOWN	
	TOTAL	
	WT. OF D.C.	
	WT. OF STRING	

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	HRS RUN 0
BOILER pH		BOILER pH
STACK TEMP		STACK TEMP

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE:

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT					SAFETY TOPIC	MEHL	MACP
TIME / DEPTH							

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2744	

DAY TOUR	FROM 800	TO 1600		INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND			
DERRICK HAND		SHAWN WATSON			
MOTOR HAND		GREG ST.ARNAUD			
FLOOR HAND		JUSTIN MILLER			
FLOOR HAND		DAVID FRANKLIN			
LEASE HAND		COREY COLBOURNE			

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
	BIT O.D.	
	D.P. STANDS	
	D.P. SINGLES	
	KELLY DOWN	
	TOTAL	
	WT. OF D.C.	
	WT. OF STRING	

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	HRS RUN 0
BOILER pH		BOILER pH
STACK TEMP		STACK TEMP

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE:

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT					SAFETY TOPIC	MEHL	MACP
TIME / DEPTH							

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2744	

EVENING TOUR	FROM 1600	TO 2400		INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		BRIAN WYATT			
W.S.C.		MARK ZAHODA			
DERRICK HAND		DOUG CHRISTIE			
MOTOR HAND		KENNETH LAUCK			
FLOOR HAND		BILL HETHERINGTON			
FLOOR HAND		MOSES LORD			
LEASE HAND		FREDDY CARPENTER			

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (QPR / S.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 MONTH 10 DAY 5
RIG NO. 58
FUEL @ 08:00 HRS
RIG 140 BOILER

SAFETY MEETING: TEMPERATURE 1 | CURRENT CONDITIONS Cloud/Partly | WIND DIRECTION N.E. | ROAD CONDITION MUDDY

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051005_1C		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC — PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
TIME MORN		6.5			0.5		0.25			0.5											0.25					
TIME DAY		3.25			0.75	2.75		0.5		0.5											0.25					
TIME EVE		6.75					0.25			0.75											0.25					
TOTAL		16.50			1.25	2.75	0.50	0.50		1.75											0.75					

TOTALS	NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
	2	Derrick FLC	Derrick FLC	TOTAL MJ	150	201	
8.00	SCREENS CHANGED		NEW/ USED	ACCUM MJ	31	31	
8.00	110 TOP	110 TOP		ACCUM OIL LEVEL	31		
8.00	140 MIDDLE	140 MIDDLE		TOP DRIVE HRS	6.75		
24.00	140 BOTTOM	140 BOTTOM		TOTAL TOP DRIVE HRS	262.75		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	5
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER	RIG NO: 58		
PROVINCE: N.W.T.	CAMP: X YES ☐ NO	RIG SAFETY DAYS: 2743	

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.29
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
35	D.P.	STANDS	1004.80
	D.P.	SINGLES	
	KELLY DOWN		-26.85
	TOTAL		3302.00
	WT. OF D.C.	37	
	WT. OF STRING	84	

BIT RECORD

BIT NO.	4B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104 229
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3302
DEPTH IN (m)	3073
TOTAL DRILLED (m)	229.00
TOTAL HRS RUN	24.5

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG: 6-DN 15-UP ROTATING
TORQUE AT BOTTOM: 11800
FILL ON BOTTOM (m):

MUD RECORD

MUD TYPE		WATER BASED X	OIL BASED ☐
TIME	1200	300	500
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	64	65	64
FLUID LOSS (cm3)			
pH	11	10.5	10.5
	82.4	81.5	81.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1070	1050	1930

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
17500	127		127	94

REDUCED PUMP SPEED: 6100 @ 3271 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3247.13	82.7	307.0
3256.67	83.0	306.6
3266.21	81.2	306.3
3275.84	81.0	305.2

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3262	3302	D	30	6

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	PRETOUR SAFETY MEETING
15	30	0.25	7	RIG SERVICE FUNCTION UP PIPE RAMS C/0 5ecs
30	700	6.50	2	DRILL FR 3262m TO 3302m
700	730	0.50	10	ACCUMULATED DEVIATION SURVEY TIME
730	800	0.50	5	CIRCULATE CLEAN HOLE PRIOR TO WIPER TRIP
800				

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FAST LINE CLAMP FUNCTION CROWN SAVER
CHECKED BOP AND MANIFOLD VAVLE ALIGNMENT REVIEWED JSA D-3 MAKING CONNECTIONS
WITH PIPE SCREEN D-2 RIG SERVICE WITH TOP DRIVE FUNCTION REMOTE CHOKE C/O 10secs

SPECIAL EVENT	TIME / DEPTH	SAFETY TOPIC	MEH.	MACP
		MAKING CONNECTIONS	55	18496

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS: 27 — DRIVERS

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		BRIAN WYATT	8			BW
W.S.C.		MARK ZAHODA	8			MZ
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.29
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
35	D.P.	STANDS	1004.80
	D.P.	SINGLES	
	KELLY DOWN		-7.85
	TOTAL		3321.00
	WT. OF D.C.	37	
	WT. OF STRING	84	

BIT RECORD

BIT NO.	4B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104 229
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3321
DEPTH IN (m)	3073
TOTAL DRILLED (m)	248.00
TOTAL HRS RUN	26.5

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG: 10-25 UP & DN
TORQUE AT BOTTOM: 11400
FILL ON BOTTOM (m): 0

MUD RECORD

MUD TYPE		WATER BASED X	OIL BASED ☐
TIME	800	1200	1600
DENSITY (kg/m3)	1075	1065	1065
FUNNEL VISCOSITY	63	67	64
FLUID LOSS (cm3)			
pH	10.5	10.5	11
PVTm3	81.3	80.8	80.1

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX
QPAC	3	SX
EZ-Drill	2	BBL

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1070	1030	1870
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
17500	127		127	93

REDUCED PUMP SPEED: 5974 @ 50 @ 3326

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3295.12	81.5	305.7
3304.35	81.1	307.4

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3302	3321	D	35	4
			0	25

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting - BOP Drill , Well Secure In 60 sec.
815	1000	1.75	6	Pull Out 27 Stands (Wiper Trip)
1000	1100	1.00	6	Trip Back In Hole (27 Stands)
1100	1145	0.75	5	Wash Down f/ 3271m to 3302m
1145	1400	2.25	2	Drill f/ 3302m to 3312m
1400	1430	0.50	8	Change Out Depth Encoder
1430	1530	1.00	2	Drill f/ 3312m to 3321m
1530	1600	0.50	10	Accumulated Survey Time
1600				
				Trip Record Cal. = 3.08m3
				Mea = 3.20m3
				Diff = .12m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-5 P.O.O.H, D-10 OPERATE PIPE SPINNER, D-6 TRIP IN HOLE

SPECIAL EVENT	TIME / DEPTH	SAFETY TOPIC	MEH.	MACP
		WIPER TRIP		18496

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS: 2743 — DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		DAVID FRANKLIN	12			DF
LEASE HAND		COREY COLBOURNE	12			CC

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.29
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
37	D.P.	STANDS	1061.50
	D.P.	SINGLES	
	KELLY DOWN		-9.49
	TOTAL		3376.06
	WT. OF D.C.	37	
	WT. OF STRING	84	

BIT RECORD

BIT NO.	4B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104 229
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3376
DEPTH IN (m)	3073
TOTAL DRILLED (m)	303.00
TOTAL HRS RUN	33.25

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG: 9-DN 24-UP ROTATING
TORQUE AT BOTTOM: 11700
FILL ON BOTTOM (m):

MUD RECORD

MUD TYPE		WATER BASED X	OIL BASED ☐
TIME	1900	2100	2300
DENSITY (kg/m3)	1060	1065	1065
FUNNEL VISCOSITY	71	75	81
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
PVT	77.2	77	76.9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1065	1040	1910

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
17500	127	94	127	

REDUCED PUMP SPEED: 5974 @ 50 @ 3326

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3323.44	81.0	308.7
3331.68	81.0	308.2
3342.51	81.5	308.0
3351.71	81.1	308.4

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3321	3376	D	30	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1730	1.50	2	Drill f/ 3321m to 3328.5m
1730	1745	0.25	7	Rig Service, Function Test Bottom Pipe Rams 6 sec/cls
1745	1915	1.50	2	Drill f/ 3328.5m to 3338.44m
1915	1930	0.25	21	PRETOUR SAFETY MEETING
1930	2315	3.75	2	DRILL F/3338.44m T/3376m
2315	2400	0.75	10	ACCUMULATED SURVEY TIME
2400				

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FAST LINE CLAMP INSPECT TONG
HOLD BACK LINES TONGS & SLIPS CHECKED BOP AND MANIFOLD VALVE ALIGNMENT
FUNCTION REMOTE CHOKE C/O 10secs REVIEWED JSA A-19 SAFE WORKING PRACTICES

SPECIAL EVENT	TIME / DEPTH	SAFETY TOPIC	MEH.	MACP
		SAFE WORKING PRACTIC	125	18737

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS: 2743 — DRIVERS

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		BRIAN WYATT	4			BW
W.S.C.		MARK ZAHODA	4			MZ
DERRICK HAND		DOUG CHRISTIE	4			DC
MOTOR HAND		KENNETH LAUCK	4			KL
FLOOR HAND		BILL HETHERINGTON	4			BH
FLOOR HAND		MOSES LORD	4			ML
LEASE HAND		FREDDY CARPENTER	4			FC

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (one/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 MONTH 10 DAY 5

RIG NO. 58

FUEL @ 08:00 HRS

RIG 140 BOILER

WEATHER
TEMPERATURE -1
CURRENT CONDITIONS Cloud/Partly
WIND DIRECTION N.E.
ROAD CONDITION MUDDY

LAST CASING TUBING OR LINER

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12
TIME	00:15
RIG RELEASE	
TIME	
WELL TYPE	DIR.
RE-ENTRY	YES
OPERATOR'S AFE	
KELLY BSHG	6.8
OP FUEL	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20051005_1B
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 D/R. WORK	21 SAFETY MEETING	22 WORK PIPE & CONNECTS	23	24	25	26	TOTALS
MORN		5.25					0.25			0.5										0.5	0.25	1.25					8.00
DAY																										
EVE																										
TOTAL		5.25					0.25			0.50										0.50	0.25	1.25					8.00

SHALE SHAKER(S)				RENTALS / SERVICES	MORN	DAY	EVE
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	150	201	
SCREENS CHANGED		NEW / USED		ACCUM MJ	31	31	
TOP 110	MIDDLE 140	BOTTOM 140	TOP 110 / MIDDLE 140 / BOTTOM 140	ACCUM OIL LEVEL	31		
				TOP DRIVE HRS	6.75		
				TOTAL TOP DRIVE HRS	262.75		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	5

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER — RIG NO. 58

PROVINCE N.W.T. — CAMP [X] YES [ ] NO — RIG SAFETY DAYS 2743

MORNING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
35	D.P. STANDS		1004.80
	D.P. SINGLES		
KELLY DOWN			-9.5
TOTAL			3319.35
WT. OF D.C.	37		
WT. OF STRING	84		

BIT RECORD		
BIT NO.	4B	
SIZE	156	
IADC CODE		
MANUFACTURER	HUGHES	
TYPE	PDC HCM404	
SERIAL NO.	7104 229	
JETS	12.7 / 12.7	12.7 / 12.7
DEPTH OUT (m)	3319	
DEPTH IN (m)	3073	
TOTAL DRILLED (m)	246.00	
TOTAL HRS RUN	23.25	

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	6-DN 15-UP ROTATING
TORQUE AT BOTTOM	11800
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE		WATER BASED [X]	OIL BASED [ ]
TIME	1200	300	500
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	64	65	64
FLUID LOSS (cm3)			
pH	11	10.5	10.5
	82.4	81.5	81.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1070	1050	1930

BOILERS	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
17500	127		127	94

REDUCED PUMP SPEED: 6100 @ 3271 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3247.13	82.7	307.0
3256.67	83.0	306.6
3266.21	81.2	306.3
3275.84	81.0	305.2

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3262	3319	D	30	6

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	PRETOUR SAFETY MEETING
15	30	0.25	7	RIG SERVICE FUNCTION UP PIPE RAMS C/0 5secs
30	545	5.25	2	DRILL FR 3262m TO 3319m
545	615	0.50	10	ACCUMULATED DEVIATION SURVEY TIME
615	645	0.50	20	DIR. WORK WORK SLIDES
645	800	1.25	22	ACCUMULATED CONNECTIONS AND WORK PIPE
800				

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FAST LINE CLAMP FUNCTION CROWN SAVER
CHECKED BOP AND MANIFOLD VAVLE ALIGNMENT REVIEWED JSA D-3 MAKING CONNECTIONS
WITH PIPE SCREEN D-2 RIG SERVICE WITH TOP DRIVE FUNCTION REMOTE CHOKE C/O 10secs

SPECIAL EVENT	SAFETY TOPIC	MEH.	MACP
TIME / DEPTH	MAKING CONNECTIONS	55	18496

RATE SCHEDULE [X] REGULAR [ ] REPAIR [ ] INVERT

CREW SAFETY DAYS: 27

DRIVERS

MORNING TOUR FROM 0 TO 800				
CREW	SOC INS. NO.	NAME	HRS	INJURIES YES / NO
DRILLER		BRIAN WYATT	8	BW
W.S.C.		MARK ZAHODA	8	MZ
DERRICK HAND		DOUG CHRISTIE	8	DC
MOTOR HAND		KENNETH LAUCK	8	KL
FLOOR HAND		BILL HETHERINGTON	8	BH
FLOOR HAND		MOSES LORD	8	ML
LEASE HAND		FREDDY CARPENTER	8	FC

DAY TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
35	D.P. STANDS		1004.80
	D.P. SINGLES		
KELLY DOWN			-9.5
TOTAL			3319.35
WT. OF D.C.	37		
WT. OF STRING	84		

BIT RECORD		
BIT NO.	4B	
SIZE	156	
IADC CODE		
MANUFACTURER	HUGHES	
TYPE	PDC HCM404	
SERIAL NO.	7104 229	
JETS	12.7 / 12.7	12.7 / 12.7
DEPTH OUT (m)	3319	
DEPTH IN (m)	3073	
TOTAL DRILLED (m)	246.00	
TOTAL HRS RUN	23.25	

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE		WATER BASED [ ]	OIL BASED [ ]
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
			21	SAFETY MEETING
			2	DRILL F/

NOTES:

SPECIAL EVENT	SAFETY TOPIC	MEH.	MACP
TIME / DEPTH			

RATE SCHEDULE [ ] REGULAR [ ] REPAIR [ ] INVERT

CREW SAFETY DAYS: 2743

DRIVERS

DAY TOUR FROM 800 TO 1600				
CREW	SOC INS. NO.	NAME	HRS	INJURIES YES / NO
DRILLER		MARK ZAHODA		
DERRICK HAND		DOUG CHRISTIE		
MOTOR HAND		KENNETH LAUCK		
FLOOR HAND		BILL HETHERINGTON		
FLOOR HAND		MOSES LORD		
LEASE HAND		FREDDY CARPENTER		

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD		
BIT NO.		
SIZE		
IADC CODE		
MANUFACTURER		
TYPE		
SERIAL NO.		
JETS		
DEPTH OUT (m)		
DEPTH IN (m)		
TOTAL DRILLED (m)		
TOTAL HRS RUN		

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE		WATER BASED [ ]	OIL BASED [ ]
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		127	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT	SAFETY TOPIC	MEH.	MACP
TIME / DEPTH			

RATE SCHEDULE [ ] REGULAR [ ] REPAIR [ ] INVERT

CREW SAFETY DAYS: 2743

DRIVERS

EVENING TOUR FROM 1600 TO 2400				
CREW	SOC INS. NO.	NAME	HRS	INJURIES YES / NO
DRILLER		KEVIN VANDENBRAND		
DERRICK HAND		SHAWN WATSON		
MOTOR HAND		GREG ST.ARNAUD		
FLOOR HAND		JUSTIN MILLER		
FLOOR HAND		DAVID FRANKLIN		
LEASE HAND		COREY COLBOURNE		

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

	O/R	R.M.
(1.) Rig Site Health & Safety Meeting (one/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR	MONTH	DAY
2005	10	4

RIG NO. 58

FUEL @ 08:00 HRS

RIG	BOILER
1.67	

WEATHER

TEMPERATURE

CURRENT CONDITIONS: Cloud/Partly

WIND DIRECTION: N.E.

ROAD CONDITION: MUDDY

LAST CASING TUBING OR LINER

DC/DP	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
DP	127	29.02	E2		4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3		4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP		4.5IF	17			

DC/DP	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	DP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051004_1C		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		5.75	0.75				0.25			1.25																
DAY		6.25								1.5											0.25					
EVE		6.0					0.25			1.5											0.25					
TOTAL		18.00	0.75				0.50			4.25											0.50					
TOTALS										8.00											8.00					
										8.00											8.00					
										24.00																

SHALE SHAKER(S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED: NO — NEW USED:

TOP	TOP
110	110
MIDDLE	MIDDLE
140	140
BOTTOM	BOTTOM
140	140

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	148	814	
ACCUM MJ	17	43	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	6.75		
TOTAL TOP DRIVE HRS	262.75		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	4

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2742

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
28	D.P. STANDS		804.14
	D.P. SINGLES		
	KELLY DOWN		-.19
	TOTAL		3128.00
	WT. OF D.C.	37	
	WT. OF STRING	84	

BIT NO.	4B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104 229
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3128
DEPTH IN (m)	3073
TOTAL DRILLED (m)	55.00
TOTAL HRS RUN	5.75

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10-15dn/20-30up
TORQUE AT BOTTOM	10400
FILL ON BOTTOM (m)	2.5

MORNING TOUR — MUD RECORD

MUD TYPE: | WATER BASED X | OIL BASED

TIME	200	400	600
DENSITY (kg/m3)	1055	1055	1055
FUNNEL VISCOSITY	57	52	54
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
pvt	79.9		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX
QPAC	3	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
6	1060	1020	2210
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1	2
HRS RUN 0	HRS RUN 0
BOILER pH	BOILER pH
STACK TEMP	STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
16800	127	0	127 95

REDUCED PUMP SPEED: 5200 @ 3088 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3064.69	82.6	310.1
3074.00	83.1	310.6
3083.8	83.4	310.4
3093.58	83.6	310.3
3103.37	84.1	309.0

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3071	3073	R	30	2
3073	3128	D	30	2
			0	14

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0045	0.75	3	Ream f/3071m to 3073m
0045	0115	0.50	2	Drill 156mm Hole f/3073m to 3079m
0115	0130	0.25	10	Survey @ 3064.69m
0130	0215	0.75	2	Drill f/3079m to 3089m
0215	0230	0.25	10	Survey @ 3074.00m
0230	0315	0.75	2	Drill f/3089m to 3098m
0315	0330	0.25	7	Rig Service/Function Annular 19 sec. c/s Checked RSPP
0330	0345	0.25	10	survey @ 3083.8m
0345	0530	1.75	2	Drill f/3098m to3108m
0530	0545	0.25	10	Survey @ 3093.58m
0545	0630	0.75	2	Drill f/3108m to 3118m
0630	0645	0.25	10	Survey @ 3103.37m
0645	0800	1.25	2	Drill f/3118m to 3128m
0800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-33 Change Water Hose In Brake Drum/D-2 Rig Service Top Drive

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			Mixing Mud		18738

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 26

DRIVERS

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		ALLAN LICKOCH	10		AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	10		VN
MOTOR HAND		DERWIN KOTCHEA	10		DK
FLOOR HAND		MOISE PUNCH	10		MP
FLOOR HAND		SEAN WOLOSCH	10		SW
LEASE HAND		BRIAN JULIAN	10		BJ

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
31	D.P. STANDS		890.69
	D.P. SINGLES		
	KELLY DOWN		-19.74
	TOTAL		3195.00
	WT. OF D.C.	37	
	WT. OF STRING	84	

BIT NO.	4B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104 229
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3195
DEPTH IN (m)	3073
TOTAL DRILLED (m)	122.00
TOTAL HRS RUN	12

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	UP/DOWN 10-22
TORQUE AT BOTTOM	10000
FILL ON BOTTOM (m)	

DAY TOUR — MUD RECORD

MUD TYPE: | WATER BASED | OIL BASED

TIME	0800	1100	1430
DENSITY (kg/m3)	1055	1050	1060
FUNNEL VISCOSITY	71	65	67
FLUID LOSS (cm3)			
pH	10.5	10.5	10.56
pvt	80.2	81.8	83.4

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX
GEL	10	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
	1055	1030	1970
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1	2
HRS RUN 0	HRS RUN 0
BOILER pH	BOILER pH
STACK TEMP	STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
16000	127	3142	127 95

REDUCED PUMP SPEED: 5800 @ @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3122.95	84.4	308.2
3132.68	84.6	308.4
3142.45	84.8	307.8
3152.01	84.6	307.7
3161.56	83.9	308.3

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3128	3195	D	30	2
			0	14

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	PRETOUR SAFETY MEETING
815	830	0.25	2	DRILL F/3128m-3137m
830	845	0.25	10	SURVEY @ 3122.95m
845	915	0.50	2	DRILL F/3137m- 3147m
915	930	0.25	10	SURVEY 3132.68m
930	1145	2.25	2	DRILL F/ 3147m-3157m
1145	1200	0.25	10	SURVEY 3142.45 M
1200	1300	1.00	2	DRILL F/ 3157M-3167M
1300	1315	0.25	10	SURVEY @ 3152.01M
1315	1415	1.00	2	DRILL F/3167M - 3176M
1415	1430	0.25	10	SURVEY @ 3161.56M
1430	1515	0.75	2	DRILL F/ 3176M-3186M
1515	1530	0.25	10	SURVEY @ 3175.17M
1530	1600	0.50	2	DRILLF/3186M-3195M
1600				

NOTES: check crown saver, deadman anchor,fastline clamp and brake linkages
review jsa's A-2 working at heights, A-5 climbing derrick, and D-3 making
connections w/ T.D (pipe screen)

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH					

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2742

DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		MARK ZAHODA	10		MZ
DERRICK HAND		DOUG CHRISTIE	10		DC
MOTOR HAND		KENNETH LAUCK	10		KL
FLOOR HAND		BILL HETHERINGTON	10		BH
FLOOR HAND		MOSES LORD	10		ML
LEASE HAND		FREDDY CARPENTER	10		FC

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
33	D.P. STANDS		947.62
	D.P. SINGLES		
	KELLY DOWN		-9.67
	TOTAL		3262.00
	WT. OF D.C.	37	
	WT. OF STRING	84	

BIT NO.	4B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404
SERIAL NO.	7104 229
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3262
DEPTH IN (m)	3073
TOTAL DRILLED (m)	189.00
TOTAL HRS RUN	18

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10-25 UP & DN
TORQUE AT BOTTOM	10900
FILL ON BOTTOM (m)	

EVENING TOUR — MUD RECORD

MUD TYPE: | WATER BASED X | OIL BASED

TIME	1600	2000	2200
DENSITY (kg/m3)	1070	1060	1065
FUNNEL VISCOSITY	64	67	65
FLUID LOSS (cm3)			
pH	10.5	10.5	11
PVT	83.8	84.4	83.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
	1070	1020	1920
HOURS RUN 0	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1	2
HRS RUN 0	HRS RUN 0
BOILER pH	BOILER pH
STACK TEMP	STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
17700	127		127 93

REDUCED PUMP SPEED: 6230 @ 3238 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3180.88	82.0	308.2
3190.19	81.8	307.5
3207.99	82.6	307.4
3218.1	83.0	307.2
3227.82	83.2	306.9

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3195	3262	D	30	2
			0	18

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1615	0.25	21	Pre-Tour Safety Meeting
1615	2015	4.00	2	Drill f/ 3195m to 3242.82m
2015	2145	1.50	10	Accumulated Survey Time
2145	2200	0.25	7	Rig Service - Function Test HCR Valve - Check RSPP
2200	2400	2.00	2	Drill f/ 3242.82m to 3262m
2400				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-3 CONNECTIONS W/ PIPE SCREEN

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			CONNECTIONS		18496

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2742

DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND	8		KV
DERRICK HAND		SHAWN WATSON	8		SW
MOTOR HAND		GREG ST.ARNAUD	8		GS
FLOOR HAND		JUSTIN MILLER	8		JM
FLOOR HAND		DAVID FRANKLIN	8		DF
LEASE HAND		COREY COLBOURNE	8		CC

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (onal/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 | MONTH 10 | DAY 4

RIG NO. 58

FUEL @ 08:00 HRS

RIG 1.67 | BOILER

WEATHER: TEMPERATURE 1 | CURRENT CONDITIONS Cloud/Partly | WIND DIRECTION N.E. | ROAD CONDITION MUDDY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM.	05-21883		
TOUR SHEET SERIAL NUM.	AKTA58_20051004_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		5.75	0.75				0.25			1.25																
DAY																										
EVE																										
TOTAL		5.75	0.75				0.25			1.25																

SHALE SHAKER(S)

TOTALS	NO.	TYPE 1	TYPE 2	
8.00	SCREENS CHANGED	NO	NEW/USED	
	TOP 110	MIDDLE 140	BOTTOM 140	
8.00	TOP 110	MIDDLE 140	BOTTOM 140	

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	148	814	
ACCUM MJ	17	43	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	6.75		
TOTAL TOP DRIVE HRS	262.75		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	4
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER: DAVE LAUCK		RIG NO. 58	
PROVINCE: N.W.T.	CAMP: X YES / NO	RIG SAFETY DAYS 2742	

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	.29	
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
28	D.P. STANDS		804.14
	D.P. SINGLES		
	KELLY DOWN		-.19
	TOTAL		3128.00
	WT. OF D.C.	37	
	WT. OF STRING	84	

BIT RECORD

BIT NO.	4B	
SIZE	156	
IADC CODE		
MANUFACTURER	HUGHES	
TYPE	PDC HCM404	
SERIAL NO.	7104 229	
JETS	12.7 / 12.7	12.7 / 12.7
DEPTH OUT (m)	3128	
DEPTH IN (m)	3073	
TOTAL DRILLED (m)	55.00	
TOTAL HRS RUN	5.75	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10-15dn/20-30up
TORQUE AT BOTTOM	10400
FILL ON BOTTOM (m)	2.5

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED

TIME	200	400	600
DENSITY (kg/m3)	1055	1055	1055
FUNNEL VISCOSITY	57	52	54
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
pvt	79.9		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX
QPAC	3	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
6	1060	1020	2210
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
16800	127	0	127	95

REDUCED PUMP SPEED: 5200 @ 3088 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3064.69	82.6	310.1
3074.00	83.1	310.6
3083.8	83.4	310.4
3093.58	83.6	310.3
3103.37		

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3071	3073	R	30	2
3073	3128	D	30	2
			0	14

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0045	0.75	3	Ream f/3071m to 3073m
0045	0115	0.50	2	Drill 156mm Hole f/3073m to 3079m
0115	0130	0.25	10	Survey @ 3064.69m
0130	0215	0.75	2	Drill f/3079m to 3089m
0215	0230	0.25	10	Survey @ 3074.00m
0230	0315	0.75	2	Drill f/3089m to 3098m
0315	0330	0.25	7	Rig Service/Function Annular 19 sec. c/s Checked RSPP
0330	0345	0.25	10	survey @ 3083.8m
0345	0530	1.75	2	Drill f/3098m to3108m
0530	0545	0.25	10	Survey @ 3093.58m
0545	0630	0.75	2	Drill f/3108m to 3118m
0630	0645	0.25	10	Survey @ 3103.37m
0645	0800	1.25	2	Drill f/3118m to 3128m
0800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA D-33 Change Water Hose In Brake Drum/D-2 Rig Service Top Drive

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		Mixing Mud		18738

RATE SCHEDULE: X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 26

DRIVERS

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	10			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	10			VN
MOTOR HAND		DERWIN KOTCHEA	10			DK
FLOOR HAND		MOISE PUNCH	10			MP
FLOOR HAND		SEAN WOLOSCH	10			SW
LEASE HAND		BRIAN JULIAN	10			BJ

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE | PUMP NO. 2 SPM

127 | 127

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800				

NOTES:

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2742

DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE | PUMP NO. 2 SPM

127 | 127

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2742

DRIVERS

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH				
DERRICK HAND		VIRGIL NANAQUAWETUNG				
MOTOR HAND		DERWIN KOTCHEA				
FLOOR HAND		MOISE PUNCH				
FLOOR HAND		SEAN WOLOSCH				
LEASE HAND		BRIAN JULIAN				

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (D/R/B/M)
(1.) Daily Walk Around Inspection
(2.) Datsheet Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 MONTH 10 DAY 3
RIG NO. 58
FUEL @ 08:00 HRS
RIG .81 BOILER

WEATHER: TEMPERATURE 1; CURRENT CONDITIONS Cloud/Partly; WIND DIRECTION N.E.; ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051003_1C		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		3.75			1.25	2.75	-			0.25																	8.00
DAY						6.0	0.25													1.5	0.25						8.00
EVE			0.25			5.5	0.25	1.0	0.75												0.25						8.00
TOTAL		3.75	0.25		1.25	14.25	0.50	1.00	0.75	0.25										1.50	0.50						24.00

SHALE SHAKER(S): NO. 2; TYPE Derrick FLC; SCREENS CHANGED NO; TYPE Derrick FLC; NEW USED

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	148	814	
ACCUM MJ	17	43	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	19.0		
TOTAL TOP DRIVE HRS	256.0		

TOP	110	110
MIDDLE	140	140
BOTTOM	140	140

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.29
1	MOTOR	121	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
49	D.P.	STANDS	1422.73
2	D.P.	SINGLES	
KELLY DOWN			-15.46
TOTAL			3073.00
WT. OF D.C.	37		
WT. OF STRING	90		

BIT RECORD

BIT NO.	3b	
SIZE	156	
IADC CODE		
MANUFACTURER	HUGHES	
TYPE	PDC HCM4042	
SERIAL NO.	700276385	
JETS	12.7 12.7	
	12.7 12.7	
DEPTH OUT (m)	3073	
DEPTH IN (m)	2630	
TOTAL DRILLED (m)	443.00	
TOTAL HRS RUN	77.5	

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG 15-20dn/20-30up; TORQUE AT BOTTOM 11200; FILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE		WATER BASED ☐	OIL BASED ☐
TIME	200	400	600
DENSITY (kg/m3)	1060	1060	1060
FUNNEL VISCOSITY	54	57	54
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
	84.7		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX
BARITE	42	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1060	1020	2205

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa: 14800

PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
127		152	95

REDUCED PUMP SPEED: 4800 @ 3068 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3054.77	83.0	312.3

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3061	3073	D	0	20
			30	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0115	1.25	2	Drill 156mm Hole f/3061m to 3069m
0115	0130	0.25	10	Survey @ 3054.77m
0130	0315	1.75	2	Drill f/3069m to 3072m
0315	0530	2.25	6	18 Stand Wipper Trip Into Casing
0530	0615	0.75	2	Drill f/3072m to 3073m
0615	0730	1.25	5	Circulate Bottoms Up (check RSPP) flow check
0730	0800	0.50	6	Trip Out Of Hole
0800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA A-19 Safe Work Practices/G-10 Driving Crew Truck

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
Safe Work Practices		18738

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.29
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
	D.P.	STANDS	
	D.P.	SINGLES	
KELLY DOWN			
TOTAL			2324.05
WT. OF D.C.	37		
WT. OF STRING	90		

BIT RECORD

BIT NO.	3b	4B
SIZE	156	156
IADC CODE		
MANUFACTURER	HUGHES	HUGHES
TYPE	PDC HCM4042	PDC HCM404
SERIAL NO.	700276385	7104 229
JETS	12.7 12.75	12.7 12.7
	12.7 12.7	12.7 12.7
DEPTH OUT (m)	3073	
DEPTH IN (m)	2630	3073
TOTAL DRILLED (m)	443.00	
TOTAL HRS RUN	77.5	

CUTTING STRUCTURE: SLOW PENETRATION

HOLE CONDITION: HOLE DRAG 10-25 UP; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE		WATER BASED ☐	OIL BASED ☐
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
127		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	PRETOUR SAFETY MEETING
815	1315	5.00	6	P.O.O.H W/ BIT 3 B, FLOW CHECK. 5STDS, 20STD, 1/2 WAY OUT,BEFORE BHA.
				AND OUT OF HOLE.
1315	1330	0.25	7	RIG SERVICE FUNC. SHEAR RAMS ON BANK 8 SEC. C/O 8SEC.
1330	1500	1.50	20	DIR. WORK LAY DOWN MOTOR PICK NEW MOTOR,SET AT 1.83, CHANGE OUT MWD
1500	1600	1.00	6	R.I.H W/ BIT 4B
1600				

NOTES: CHECK BRAKE LINKAGES , DEADMAN ANCHOR,FASTLINE CLAMP AND CROWN SAVER
REVIEW JSAS ON D-5P,O.O.H D-6 R.I.H D-40 PICK UP AND MOUSE HOLE TUBULARS
TRIP RECORD CAL. 13.58 MEAS. 14.56 DIFF..98

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
P.O.O.H		18737

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.29
1	MOTOR	121	7.85
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.87
165	89mm Drill pipe	89	1593.77
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
61	D.P.	STANDS	774.75
	D.P.	SINGLES	
KELLY DOWN			
TOTAL			3098.80
WT. OF D.C.	37		
WT. OF STRING	83		

BIT RECORD

BIT NO.	4B	
SIZE	156	
IADC CODE		
MANUFACTURER	HUGHES	
TYPE	PDC HCM404	
SERIAL NO.	7104 229	
JETS	12.7 12.7	
	12.7 12.7	
DEPTH OUT (m)		
DEPTH IN (m)	3073	
TOTAL DRILLED (m)		
TOTAL HRS RUN		

CUTTING STRUCTURE

HOLE CONDITION: HOLE DRAG; TORQUE AT BOTTOM 9500; FILL ON BOTTOM (m) 2.5

MUD RECORD

MUD TYPE		WATER BASED X	OIL BASED ☐
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa: 17100

PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
127	0	152	95

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3070.5	3071	R	30	2

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1700	1.00	6	R.I.H W/ BIT 4B, FILL PIPE TEST MWD @ 7OOM , FILL PIPE AT 1200M
1700	1715	0.25	7	RIG SERVICE FUNC ANNULAR 23 SEC. C/O 23 SEC
1715	1800	0.75	9	CUT AND SLIP 20M DRILL LINE
1800	1900	1.00	6	PICK 68 JOINTS OF X 95 OFF CATWALK
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2030	1.25	6	Pick Up 89mm Drill Pipe
2030	2130	1.00	8	Change Water Hose In Drawworks Brake Drum
2130	2345	2.25	6	Trip In Hole f/1723m to 3070m
2345	2400	0.25	3	Brk. Circ. & Reamr f/3070.5m to 3071m

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-12 SLIP AND CUT DRILL LINE

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
Slip & Cut		18738

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	3

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES ☐ NO	2741

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		ALLAN LICKOCH	8		AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8		VN
MOTOR HAND		DERWIN KOTCHEA	8		DK
FLOOR HAND		MOISE PUNCH	8		MP
FLOOR HAND		SEAN WOLOSCH	8		SW
LEASE HAND		BRIAN JULIAN	8		BJ

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 25 — DRIVERS:

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		MARK ZAHODA	12		MZ
DERRICK HAND		DOUG CHRISTIE	12		DC
MOTOR HAND		KENNETH LAUCK	12		KL
FLOOR HAND		BILL HETHERINGTON	12		BH
FLOOR HAND		MOSES LORD	12		ML
LEASE HAND		FREDDY CARPENTER	12		FC

RATE SCHEDULE: ☐ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 2741 — DRIVERS:

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		ALLAN LICKOCH	4		AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	4		VN
MOTOR HAND		DERWIN KOTCHEA	4		DK
FLOOR HAND		MOISE PUNCH	4		MP
FLOOR HAND		SEAN WOLOSCH	4		SW
LEASE HAND		BRIAN JULIAN	4		BJ

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 2741 — DRIVERS:

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Slick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	QPR	R.M.
WEEKLY REPORTS		

YEAR 2005 MONTH 10 DAY 3
RIG NO. 58
FUEL @ 08:00 HRS
RIG .81 BOILER
TEMPERATURE
CURRENT CONDITIONS Cloud/Partly
WIND DIRECTION N.E.
ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN ID. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051003_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		3.75			1.25	2.75				0.25																	8.00
DAY																											
EVE																											
TOTAL		3.75			1.25	2.75				0.25																	8.00

SHALE SHAKER(S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED NO NEW USED

TOP	TOP
110	110
MIDDLE	MIDDLE
140	140
BOTTOM	BOTTOM
140	140

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	142	133	
ACCUM MJ	15	999	
ACCUM OIL LEVEL	32		
TOP DRIVE HRS	19.5		
TOTAL TOP DRIVE HRS	256.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	3

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2741

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
49	D.P.	STANDS	1422.73
2	D.P.	SINGLES	
KELLY DOWN			-15.46
TOTAL			3073.00
WT. OF D.C.	37		
WT. OF STRING	90		

BIT RECORD

BIT NO.	3b
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404Z
SERIAL NO.	700276385
JETS	12.7 12.7 12.7 12.7
DEPTH OUT (m)	3073
DEPTH IN (m)	2630
TOTAL DRILLED (m)	443.00
TOTAL HRS RUN	77.5

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	15-20dn/20-30up
TORQUE AT BOTTOM	11200
FILL ON BOTTOM (m)	0

MORNING TOUR

MUD RECORD

MUD TYPE ____ WATER BASED ☐ OIL BASED ☐

TIME	200	400	600
DENSITY (kg/m3)	1060	1060	1060
FUNNEL VISCOSITY	54	57	54
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
	84.7		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1060	1020	2205

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		152	

REDUCED PUMP SPEED

5200 @ ____ @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3054.77	83.0	312.3

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3061	3073	D	0	20
			30	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0115	1.25	2	Drill 156mm Hole f/3061m to 3069m
0115	0130	0.25	10	Survey @ 3054.77m
0130	0315	1.75	2	Drill f/3069m to 3072m
0315	0530	2.25	6	18 Stand Wipper Trip Into Casing
0530	0615	0.75	2	Drill f/3072m to 3073m
0615	0730	1.25	5	Circulate Bottoms Up (flow check)
0730	0800	0.50	6	Trip Out Of Hole
0800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA A-19 Safe Work Practices/G-10 Driving Crew Truck

SPECIAL EVENT ____ TIME / DEPTH ____

SAFETY TOPIC	MEHL	MACP
Safe Work Practices		18738

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS 25

DRIVERS

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		ALLAN LICKOCH	8		AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8		VN
MOTOR HAND		DERWIN KOTCHEA	8		DK
FLOOR HAND		MOISE PUNCH	8		
FLOOR HAND		SEAN WOLOSCH	8		
LEASE HAND		BRIAN JULIAN	8		BJ

DAY TOUR

MUD RECORD

MUD TYPE ____ WATER BASED ☐ OIL BASED ☐

TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		152	

REDUCED PUMP SPEED

@ ____ @ ____

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800				

NOTES

SPECIAL EVENT ____ TIME / DEPTH ____

SAFETY TOPIC	MEHL	MACP

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS 2741

DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		MARK ZAHODA			
DERRICK HAND		DOUG CHRISTIE			
MOTOR HAND		KENNETH LAUCK			
FLOOR HAND		BILL HETHERINGTON			
FLOOR HAND		MOSES LORD			
LEASE HAND		FREDDY CARPENTER			

EVENING TOUR

MUD RECORD

MUD TYPE ____ WATER BASED ☐ OIL BASED ☐

TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		152	

REDUCED PUMP SPEED

@ ____ @ ____

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT ____ TIME / DEPTH ____

SAFETY TOPIC	MEHL	MACP

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS 2741

DRIVERS

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
DRILLER		ALLAN LICKOCH	4		
DERRICK HAND		VIRGIL NANAQUAWETUNG	4		
MOTOR HAND		DERWIN KOTCHEA	4		
FLOOR HAND		MOISE PUNCH	4		
FLOOR HAND		SEAN WOLOSCH	4		
LEASE HAND		BRIAN JULIAN	4		

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Slics Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (one/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Meet Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 MONTH 10 DAY 2

RIG NO. 58 — FUEL @ 08:00 HRS

RIG 102 BOILER

TEMPERATURE 1

CURRENT CONDITIONS CloudPartly

WIND DIRECTION N.E.

ROAD CONDITION ROUGH

WEATHER

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/ DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
		127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051002_1C		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		6.75								1.25																	8.00
DAY		7.0					0.25			0.5											0.25						8.00
EVE		6.75			0.25					0.75											0.25						8.00
TOTAL		20.50			0.25		0.25			2.50											0.50						24.00

SHALE SHAKER(S)				RENTALS / SERVICES	MORN	DAY	EVE
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	142	133	
SCREENS CHANGED	NO	NEW USED		ACCUM MJ	15	999	
TOP	110	TOP	110	ACCUM OIL LEVEL	.32		
MIDDLE	140	MIDDLE	140	TOP DRIVE HRS	19.0		
BOTTOM	140	BOTTOM	140	TOTAL TOP DRIVE HRS	237.0		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	2

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2740

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.29
1	MOTOR	121	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
47	D.P.	STANDS	1346.84
	D.P.	SINGLES	
	KELLY DOWN		-.57
	TOTAL		3012.00
	WT. OF D.C.	37	
	WT. OF STRING	90	

BIT RECORD

BIT NO.	3b
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404Z
SERIAL NO.	7002763
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3012
DEPTH IN (m)	2630
TOTAL DRILLED (m)	382.00
TOTAL HRS RUN	60.0

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	15-20dn/20-25up
TORQUE AT BOTTOM	9800
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE — WATER BASED [X] OIL BASED [ ]

TIME	200	400	600
DENSITY (kg/m3)	1050	1050	1050
FUNNEL VISCOSITY	59	58	52
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
PVT	82.8	82.4	82.4

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1050	1020	2110
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
14800	127	95	152	

REDUCED PUMP SPEED

5250 @ 50 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2950.04	79.8	309.5
2974.55	81.5	308.5
2969.14	81.4	308.7
2978.67	80.7	308.7

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2956	3012	D	0	14
			30	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0145	1.75	2	Drill 156mm Hole f/2956m to 2965m
0145	0200	0.25	10	Survey @ 2950.04m
0200	0300	1.00	2	Drill f/2965m to 2974m
0300	0315	0.25	10	Survey @ 2959.55m
0315	0400	0.75	2	Drill f/2974m to 2984m
0400	0415	0.25	10	Survey @ 2969.14m
0415	0500	0.75	2	Drill f/2984m to 2993m
0500	0515	0.25	10	Survey @ 2978.67m
0515	0700	1.75	2	Drill f/2993m to 3003m
0700	0715	0.25	10	Survey @ 2988.02m
0715	0800	0.75	2	Drill f/3003m to 3012m
0800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA A-1 Service Fire Extinguisher/A-9 Work On Building Without Handrails

SPECIAL EVENT:
TIME / DEPTH:

SAFETY TOPIC	MEH.	MACP
Workplace Violence		18980

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 24

DRIVERS

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		SEAN WOLOSCH	8			SW
LEASE HAND		BRIAN JULIAN	8			BJ

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.29
1	MOTOR	121	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
48	D.P.	STANDS	1375.49
	D.P.	SINGLES	
	KELLY DOWN		-7.22
	TOTAL		3034.00
	WT. OF D.C.	37	
	WT. OF STRING	90	

BIT RECORD

BIT NO.	3b
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404Z
SERIAL NO.	70027638
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3034
DEPTH IN (m)	2630
TOTAL DRILLED (m)	404.00
TOTAL HRS RUN	67

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10-20 UP/DOWN
TORQUE AT BOTTOM	10000
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE — WATER BASED [X] OIL BASED [ ]

TIME	0800	1100	1500
DENSITY (kg/m3)	1050	1050	1060
FUNNEL VISCOSITY	52	51	58
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
pvt	82.2	82.2	83.2

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	2	SX
GEL	10	SX
QPAC	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
3	1050	1040	2120
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
14300	127	95	152	3022

REDUCED PUMP SPEED

5200 @ 50 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2997.57	80.3	309.4
3007.14	81.4	309.8
3016.72	81.0	310.2

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3012	3034	D	30	6

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	PRETOUR SAFETY MEETING
815	830	0.25	7	RIG SERVICE FUNC. ANNULAR 23 SECC/O 23 SEC
830	1245	4.25	2	DRILL F/ 3012M- 3022M
1245	1300	0.25	10	SURVEY @ 3007.14M
1300	1530	2.50	2	DRILL F/ 3022M- 3031M
1530	1545	0.25	10	SURVEY @ 3016.14M
1545	1600	0.25	2	DRILL F/3031M-3034M

NOTES: check crown saver, deadman anchor, fastline damp and brake linkages
review jsas A-17 INSPECTING LANYARDS

SPECIAL EVENT:
TIME / DEPTH:

SAFETY TOPIC	MEH.	MACP
WORKPLACE VIOLENCE		18979

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2740

DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		MARK ZAHODA	12			MZ
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.29
1	MOTOR	121	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
49	D.P.	STANDS	1404.04
	D.P.	SINGLES	
	KELLY DOWN		-8.77
	TOTAL		3061.00
	WT. OF D.C.	37	
	WT. OF STRING	90	

BIT RECORD

BIT NO.	3b
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404Z
SERIAL NO.	700276385
JETS	12.7 12.7 / 12.7 12.7
DEPTH OUT (m)	3061
DEPTH IN (m)	2630
TOTAL DRILLED (m)	431.00
TOTAL HRS RUN	73.75

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	15-20dn/20-25up
TORQUE AT BOTTOM	10900
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE — WATER BASED [X] OIL BASED [ ]

TIME	1800	2000	2400
DENSITY (kg/m3)	1060	1060	1060
FUNNEL VISCOSITY	53	59	57
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
PVT	83.1	83.4	84.4

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
QPAC	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1060	1040	1970
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
14900	127		152	95

REDUCED PUMP SPEED

5200 @ @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3026.12	81.9	309.6
3035.68	81.8	311.6
3045.21	83.4	311.4

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3034	3061	D	35	4
			0	

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1730	1.50	2	DRILL F/ 3034M-3041.M
1730	1745	0.25	10	SURVEY 3026.12M
1745	1900	1.25	2	DRILL F/3041M-3044m
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2030	1.25	2	Drill f/3044m to 3050m
2030	2045	0.25	5	Circulate & Work Pipe Prior To Connection
2045	2100	0.25	10	Survey @ 3035.68m
2100	2300	2.00	2	Drill f/3050m to 3060m
2300	2315	0.25	10	Survey @ 3045.21m
2315	2400	0.75	2	Drill f/3060m to 3061m
2400				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-15 Bench Grinder Use

SPECIAL EVENT:
TIME / DEPTH:

SAFETY TOPIC	MEH.	MACP
Safety Glasses		18737

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2740

DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		ALLAN LICKOCH	4			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	4			VN
MOTOR HAND		DERWIN KOTCHEA	4			DK
FLOOR HAND		MOISE PUNCH	4			MP
FLOOR HAND		SEAN WOLOSCH	4			SW
LEASE HAND		BRIAN JULIAN	4			BJ

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Dpls Performed
(7.) Visually Inspect BOPs: Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	OPR	R.M.
(1.)		
(2.)		
(3.)		
(4.)		
(5.)		
(6.)		
(7.)		

YEAR 2005 MONTH 10 DAY 2
RIG NO. 58
FUEL @ 08:00 HRS
RIG 102 BOILER

WEATHER: TEMPERATURE 1; CURRENT CONDITIONS Cloud/Partly; WIND DIRECTION N.E.; ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051002_1B		
VENDOR SOFTWARE VERSION	EDR 3-1-4_HF2 ETS 2.2		

PASON

TIME-HRS

CODE NO	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		6.75								1.25																
DAY																										
EVE																										
TOTAL		6.75								1.25																

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO 2; TYPE Derrick FLC; TYPE Derrick FLC	TOTAL MJ	140	995	
	SCREENS CHANGED NO; NEW USED	ACCUM MJ	14	861	
	TOP 110 MIDDLE 140 BOTTOM 140	TOP 110 MIDDLE 140 BOTTOM 140	ACCUM OIL LEVEL	.32	
8.00		TOP DRIVE HRS	19.0		
		TOTAL TOP DRIVE HRS	237.0		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	2
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER: DAVE LAUCK		RIG NO. 58	
PROVINCE: N.W.T.	CAMP: X YES ☐ NO	RIG SAFETY DAYS: 2740	

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		SEAN WOLOSCH	8			SW
LEASE HAND		BRIAN JULIAN	8			BJ

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT
CREW SAFETY DAYS: 24
DRIVERS:

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

RATE SCHEDULE: ☐ REGULAR ☐ REPAIR ☐ INVERT
CREW SAFETY DAYS: 2740
DRIVERS:

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH				
DERRICK HAND		VIRGIL NANAQUAWETUNG				
MOTOR HAND		DERWIN KOTCHEA				
FLOOR HAND		MOISE PUNCH				
FLOOR HAND		SEAN WOLOSCH				
LEASE HAND		BRIAN JULIAN				

RATE SCHEDULE: ☐ REGULAR ☐ REPAIR ☐ INVERT
CREW SAFETY DAYS: 2740
DRIVERS:

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
47	D.P. STANDS		1346.84
	D.P. SINGLES		
	KELLY DOWN		-.57
	TOTAL		3012.00
	WT. OF D.C.	37	
	WT. OF STRING	90	

BIT RECORD

BIT NO.	3b
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM4042
SERIAL NO.	7002763
JETS	12.7 12.7 12.7
DEPTH OUT (m)	3012
DEPTH IN (m)	2630
TOTAL DRILLED (m)	382.00
TOTAL HRS RUN	60.0

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	15-20dn/20-25up
TORQUE AT BOTTOM	9800
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE		WATER BASED	X	OIL BASED	
TIME		200	400	600	
DENSITY (kg/m3)		1050	1050	1050	
FUNNEL VISCOSITY		59	58	52	
FLUID LOSS (cm3)					
pH		10.5	10.5	10.5	
PVT		82.8	82.4	82.4	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1050	1020	2110

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
14800	127	95	152	

REDUCED PUMP SPEED: 5250 @ 50 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2950.04	79.8	309.5
2974.55	81.5	308.5
2969.14	81.4	308.7
2978.67	80.7	308.7

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2956	3012	D	0	14
			30	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0145	1.75	2	Drill 156mm Hole f/2956m to 2965m
0145	0200	0.25	10	Survey @ 2950.04m
0200	0300	1.00	2	Drill f/2965m to 2974m
0300	0315	0.25	10	Survey @ 2959.55m
0315	0400	0.75	2	Drill f/2974m to 2984m
0400	0415	0.25	10	Survey @ 2969.14m
0415	0500	0.75	2	Drill f/2984m to 2993m
0500	0515	0.25	10	Survey @ 2978.67m
0515	0630	1.25	2	Drill f/2993m to 3003m
0630	0645	0.25	10	Survey @ 2988.02m
0645	0800	1.25	2	Drill f/3003m to 3012m
0800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA A-1 Service Fire Extinguisher/A-9 Work On Building Without Handrails

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
Workplace Violence		18980

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEH.	MACP

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEH.	MACP

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crewmonth)
(2.) CAODC Rig Safet Inspection Checklist (one/qtrmonth)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

YEAR	MONTH	DAY
2005	10	1

RIG NO. 58
FUEL @ 08:00 HRS
RIG 126 BOILER

WEATHER: TEMPERATURE -5 | CURRENT CONDITIONS CloudPartly | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/ DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12
TIME	00:15
RIG RELEASE	
TIME	
WELL TYPE	DIR.
RE-ENTRY	YES
OPERATOR'S AFE	
KELLY BSHG	6.8
OP FUEL	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20051001_1C
VENDOR SOFTWARE VERSION	EDR 3-1-4 HF2 ETS 2.2

CAODC

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
TIME - HRS MORN		6.5					0.25			1.25																
DAY		6.5					0.25			1.0											0.25					
EVE		5.25			0.5	1.5				0.5											0.25					
TOTAL		18.25			0.50	1.50	0.50			2.75											0.50					

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC	TOTAL MJ	140	995	
8.00	SCREENS CHANGED NO	NEW/ USED TYPE Derrick FLC	ACCUM MJ	14	861
8.00	TOP 110	TOP 110	ACCUM OIL LEVEL	.32	
8.00	MIDDLE 140	MIDDLE 140	TOP DRIVE HRS	16.75	
24.00	BOTTOM 140	BOTTOM 140	TOTAL TOP DRIVE HRS	218.0	

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	1

OPERATOR: PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME: AKITA DRILLING LTD.
RIG MANAGER | RIG NO. 58
PROVINCE: N.W.T. | CAMP: X YES ☐ NO | RIG SAFETY DAYS: 2739

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.29
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
43	D.P. STANDS		1232.91
	D.P. SINGLES		
KELLY DOWN			-.64
TOTAL			2898.00
WT. OF D.C.	37		
WT. OF STRING	85		

BIT RECORD

BIT NO.	3b
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404Z
SERIAL NO.	7002763
JETS	12.7 12.7 12.7 12.7
DEPTH OUT (m)	2898
DEPTH IN (m)	2630
TOTAL DRILLED (m)	268.00
TOTAL HRS RUN	41.5

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	8-11 dn 15-20 up
TORQUE AT BOTTOM	9000
FILL ON BOTTOM (m)	0

MORNING TOUR — MUD RECORD

MUD TYPE		WATER BASED X	OIL BASED ☐
TIME	200	400	600
DENSITY (kg/m3)	1050	1050	1050
FUNNEL VISCOSITY	55	73	90
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
	88	87.5	86.7

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX
QPAC	4	SX
LIGNITE	4	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
14600	127	95	152	

REDUCED PUMP SPEED: 5200 @ 50 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2826.57	71.7	301.7
2836.08	72.2	301.7
2845.75	73.4	302.1
2855.27	73.3	302.7
2864.61	72.9	302.2

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2833	2898	D	30	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0100	1.00	2	Drill 156mm Hole f/2833m to 2840m
0100	0115	0.25	7	Rig Service/Function Bottom Pipe Rams 8 sec. c/s
0115	0130	0.25	10	Survey @ 2826.57m
0130	0245	1.25	2	Drill f/2840m to 2851m
0245	0300	0.25	10	Survey @ 2836.08m
0300	0345	0.75	2	Drill f/2851m to 2860m
0345	0400	0.25	10	Survey @ 2845.75m
0400	0445	0.75	2	Drill f/2860m to 2870m
0445	0500	0.25	10	Survey @ 2855.27m
0500	0600	1.00	2	Drill f/2870m to 2879m
0600	0615	0.25	10	Survey @ 2864.61m
0615	0800	1.75	2	Drill f/2879m to 2898m

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA J-5 Service Fluid End Of Mud Pump/L-2 Scrubbing Inside Sub

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				Lock-out Procedure		18980

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		SEAN WOLOSCH	8			SW
LEASE HAND		BRIAN JULIAN	8			BJ

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 23

DRIVERS

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.29
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
44	D.P. STANDS		1261.46
1	D.P. SINGLES		9.47
KELLY DOWN			-4.66
TOTAL			2932.00
WT. OF D.C.	37		
WT. OF STRING	85		

BIT RECORD

BIT NO.	3b
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404Z
SERIAL NO.	7002763
JETS	12.7 12.7 12.7 12.7
DEPTH OUT (m)	2932
DEPTH IN (m)	2630
TOTAL DRILLED (m)	302.00
TOTAL HRS RUN	48

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10-20 up/down
TORQUE AT BOTTOM	9000
FILL ON BOTTOM (m)	

DAY TOUR — MUD RECORD

MUD TYPE		WATER BASED ☐	OIL BASED ☐
TIME	0800	1100	1500
DENSITY (kg/m3)	1060	1070	1050
FUNNEL VISCOSITY	59	62	58
FLUID LOSS (cm3)			
pH	10.5	10.5	11
pvl	85	84.1	82.2

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	2	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
6	1070	1020	2000
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
1	1060	1010	2220

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
14400	127	2998	152	95

REDUCED PUMP SPEED: 5200 @ @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2874.14	72.5	302.6
2883.26	72.5	302.3
2893.26	73.4	303
2902.71	73.3	303.4

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2898	2932	D	30	3
			0	14

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	PRETOUR SAFETY MEETING
815	830	0.25	7	RIG SERVICE FUNC. MI SWACO CHOKE
830	845	0.25	10	SURVEY @ 2874.18m
845	1015	1.50	2	DRILL F/ 2998m- 2908m
1015	1030	0.25	10	SURVEY 2893.26m
1030	1145	1.25	2	DRILL F/2908m- 2917m
1145	1200	0.25	10	SURVEY @2902.71
1200	1400	2.00	2	DRILL F/ 2917m - 2927m
1400	1415	0.25	10	SURVEY @ 2912.19m
1415	1600	1.75	2	DRILL 2927m-2932m
1600				

NOTES: check crown saver, deadman anchor, fastline clamp and brake linkages
reviewed jsa D-2 rig service t.d D-4 making connections w/singles of d.p

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				crown savers		18737

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	12			MZ
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 2739

DRIVERS

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.29
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
45	D.P. STANDS		
2	D.P. SINGLES		1308.82
KELLY DOWN			-18.55
TOTAL			2956.00
WT. OF D.C.	37		
WT. OF STRING	87		

BIT RECORD

BIT NO.	3b
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404Z
SERIAL NO.	7002763
JETS	12.7 12.7 12.7 12.7
DEPTH OUT (m)	2956
DEPTH IN (m)	2630
TOTAL DRILLED (m)	326.00
TOTAL HRS RUN	53.25

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	15-25up 10-15dn rot.
TORQUE AT BOTTOM	10000
FILL ON BOTTOM (m)	0

EVENING TOUR — MUD RECORD

MUD TYPE		WATER BASED X	OIL BASED ☐
TIME	1730	2000	2400
DENSITY (kg/m3)	1050	1045	1045
FUNNEL VISCOSITY	52	54	52
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
pvl	80.9	80.5	81.2

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
6	1070	1020	2000
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
6	1070	1020	2000

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
13800	127	95	152	

REDUCED PUMP SPEED: @ 50 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2921.66	73.0	305.1
2931.04	75.2	306.4
2940.48	77.7	306.5

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2932	2956	D	30	3
			0	14

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1700	1.00	2	DRILL F/ 2932m-2936.m
1700	1715	0.25	10	SURVEY @2921.66
1715	1900	1.75	2	DRILL F/ 2936m- 2945m
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2115	2.00	2	Drill f/2945m to 2955m
2115	2145	0.50	5	Circulate & Work Pipe Prior To Wipper Trip
2145	2315	1.50	6	14 Stand Wipper Trip Into Casing
2315	2330	0.25	10	Survey @ 2940.48m
2330	2400	0.50	2	Drill f/2955 to 2956m

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-2 Driving To & From Rig/I-4 Mix Mud

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				Wipper Trip		18980

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	4			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	4			VN
MOTOR HAND		DERWIN KOTCHEA	4			DK
FLOOR HAND		MOISE PUNCH	4			MP
FLOOR HAND		SEAN WOLOSCH	4			SW
LEASE HAND		BRIAN JULIAN	4			BJ

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 2739

DRIVERS

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs, Flare Lines & Degasser Lines

Rig Checks

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	QPR	R.M.

YEAR 2005 | MONTH 10 | DAY 1
RIG NO. 58
FUEL @ 08:00 HRS
RIG 126 | BOILER

TEMPERATURE 1
CURRENT CONDITIONS CloudPartly
WIND DIRECTION N.E.
ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12
TIME	00:15
RIG RELEASE	
TIME	
WELL TYPE	DIR.
RE-ENTRY	YES
OPERATOR'S AFE	
KELLY BSHG	6.8
OP FUEL	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20051001_1B
VENDOR SOFTWARE VERSION	EDR 3-1-4_HF2 ETS 2.2

CAODC

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
TIME HRS MORN		6.5					0.25			1.25																
DAY																										
EVE																										
TOTAL		6.50					0.25			1.25																

TOTALS	SHALE SHAKER(S)			RENTALS / SERVICES	MORN	DAY	EVE
	NO 2	TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	138	799	
8.00	SCREENS CHANGED	NO	NEW / USED	ACCUM MJ	12	665	
	TOP 110	TOP 110		ACCUM OIL LEVEL	.32		
	MIDDLE 140	MIDDLE 140		TOP DRIVE HRS	19.50		
8.00	BOTTOM 140	BOTTOM 140		TOTAL TOP DRIVE HRS	201.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	10	1

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER | RIG NO. 58

PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2739

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
1	BIT	29	
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
43	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		1665.73
	WT. OF D.C.	37	
	WT. OF STRING	85	

BIT RECORD

BIT NO.	3b
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404Z
SERIAL NO.	7002763
JETS	12.7 12.7 12.7
DEPTH OUT (m)	2898
DEPTH IN (m)	2630
TOTAL DRILLED (m)	268.00
TOTAL HRS RUN	41.5

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	8-11 dn 15-20 up
TORQUE AT BOTTOM	9000
FILL ON BOTTOM (m)	0

MORNING TOUR — MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED

TIME	200	400	600
DENSITY (kg/m3)	1050	1050	1050
FUNNEL VISCOSITY	55	73	90
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
	88	87.5	86.7

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX
QPAC	4	SX
LIGNITE	4	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
14600	127	95	152	

REDUCED PUMP SPEED: 5200 @ 50 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2826.57	71.7	301.7
2836.08	72.2	301.7
2845.75	73.4	302.1
2855.27	73.3	302.7
2864.61		

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2833	2898	D	30	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0100	1.00	2	Drill 156mm Hole f/2833m to 2840m
0100	0115	0.25	7	Rig Service/Function Bottom Pipe Rams 8 sec. c/s
0115	0130	0.25	10	Survey @ 2826.57m
0130	0245	1.25	2	Drill f/2840m to 2851m
0245	0300	0.25	10	Survey @ 2836.08m
0300	0345	0.75	2	Drill f/2851m to 2860m
0345	0400	0.25	10	Survey @ 2845.75m
0400	0445	0.75	2	Drill f/2860m to 2870m
0445	0500	0.25	10	Survey @ 2855.27m
0500	0600	1.00	2	Drill f/2870m to 2879m
0600	0615	0.25	10	Survey @ 2864.61m
0615	0800	1.75	2	Drill f/2879m to 2898m

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA J-5 Service Fluid End Of Mud Pump/L-2 Scrubbing Inside Sub

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Lock-out Procedure		18980

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS: 23 | DRIVERS

MORNING TOUR — CREW

FROM 0 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ALLAN LICKOCH	8		AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8		VN
MOTOR HAND		DERWIN KOTCHEA	8		DK
FLOOR HAND		MOISE PUNCH	8		MP
FLOOR HAND		SEAN WOLOSCH	8		SW
LEASE HAND		BRIAN JULIAN	8		BJ

DAY TOUR

MUD TYPE | WATER BASED | OIL BASED
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED | SOLIDS CONTROL | CIRCULATION PRESSURE | METRES DRILLED | TIME LOG — same structure as MORNING TOUR, all blank

CREW SAFETY DAYS: 2739 | DRIVERS

DAY TOUR — CREW

FROM 800 TO 1600 — INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		MARK ZAHODA			
DERRICK HAND		DOUG CHRISTIE			
MOTOR HAND		KENNETH LAUCK			
FLOOR HAND		BILL HETHERINGTON			
FLOOR HAND		MOSES LORD			
LEASE HAND		FREDDY CARPENTER			

CREW SAFETY DAYS: 2739 | DRIVERS

EVENING TOUR

MUD TYPE | WATER BASED | OIL BASED
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED | SOLIDS CONTROL | CIRCULATION PRESSURE | METRES DRILLED | TIME LOG — same structure as MORNING TOUR, all blank

CREW SAFETY DAYS: 2739 | DRIVERS

EVENING TOUR — CREW

FROM 1600 TO 2400 — INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ALLAN LICKOCH	4		
DERRICK HAND		VIRGIL NANAQUAWETUNG	4		
MOTOR HAND		DERWIN KOTCHEA	4		
FLOOR HAND		MOISE PUNCH	4		
FLOOR HAND		SEAN WOLOSCH	4		
LEASE HAND		BRIAN JULIAN	4		

CREW SAFETY DAYS: 2739 | DRIVERS

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	OPR	R.M.

YEAR 2005 MONTH 9 DAY 30
RIG NO. 58
FUEL @ 08:00 HRS
RIG 146 BOILER

WEATHER
TEMPERATURE
CURRENT CONDITIONS: CloudPartly
WIND DIRECTION: N.E.
ROAD CONDITION: ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
		127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE:	2005/08/12 TIME: 00:15
RIG RELEASE:	TIME:
WELL TYPE:	DIR. RE-ENTRY: YES
OPERATOR'S AFE:	
KELLY BSHG:	6.8 OP FUEL:
CONTRACTOR'S JOB NUM:	05-21883
TOUR SHEET SERIAL NUM:	AKTA58_20050930_1C
VENDOR SOFTWARE VERSION:	EDR 3-1-4 HF2 ETS 2.2

CAODC

PASON

TIME-HRS	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING	22	23	24	25	26
CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21					
MORN		6.5					0.25			1.0											0.25					
DAY		4.75			0.5	1.25	0.25			1.0											0.25					
EVE		5.0				1.25				1.5											0.25					
TOTAL		16.25			0.50	2.50	0.50			3.50											0.75					

TOTALS	SHALE SHAKER(S) NO	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
	2	Derrick FLC	TOTAL MJ	138	799	
8.00	SCREENS CHANGED NO	NEW/USED	ACCUM MJ	12	665	
8.00	TOP 110	TOP 110	ACCUM OIL LEVEL	.32		
8.00	MIDDLE 140	MIDDLE 140	TOP DRIVE HRS	19.50		
24.00	BOTTOM 140	BOTTOM 140	TOTAL TOP DRIVE HRS	201.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	30
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER	RIG NO. 58		
PROVINCE: N.W.T.	CAMP X YES NO	RIG SAFETY DAYS 2738	

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
37	D.P. STANDS		1080.43
2	D.P. SINGLES		
KELLY DOWN			-10.16
TOTAL			2736.00
WT. OF D.C.	37		
WT. OF STRING	83		

BIT RECORD

BIT NO.	2b		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	PDC HCM404Z		
SERIAL NO.	7002763		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)	2736		
DEPTH IN (m)	2630		
TOTAL DRILLED (m)	106.00		
TOTAL HRS RUN	25.25		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	9dn 15up sliding
TORQUE AT BOTTOM	8100
FILL ON BOTTOM (m)	0

MORNING TOUR — MUD RECORD

MUD TYPE: WATER BASED ☐ OIL BASED ☐

TIME	200	400	600
DENSITY (kg/m3)	1035	1040	1040
FUNNEL VISCOSITY	54	52	53
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
	93		92.4

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GEL	40	SX
CAUSTIC	2	SX
SAWDUST	35	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa: 13800

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127	95	152	

REDUCED PUMP SPEED: 5000 @ 50 @ 2698

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2684.19	77.2	312.8
2693.39	77.5	309.2
2702.74	77.6	306.9
2712.23	76.9	304.1

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2696	2736	D	80	10

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0015	0.25	21	Pre-Tour Safety Meeting
0015	0030	0.25	2	Drill 156mm Hole f/2696m to 2699m
0030	0045	0.25	10	Survey @ 2684.19m
0045	0145	1.00	2	Drill 156mm Hole f/2699m to 2708m
0145	0200	0.25	7	Rig Service/Function Top Pipe Rams 7sec. c/s Checked RSPP
0200	0215	0.25	10	Survey @ 2693.39m
0215	0445	2.50	2	Drill 156mm Hole f/2708 to 2717m
0445	0500	0.25	10	Survey @ 2702.74m
0500	0630	1.50	2	Drill 156mm Hole f/2717m to 2727m
0630	0645	0.25	10	Survey @ 2712.23m
0645	0800	1.25	2	Drill 156mm Hole f/2727m to2736m
0800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-25 Loader Operation/N-1 Working On Muddy Lease

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			Hoisting Tubulars		19221

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		SEAN WOLOSCH	8			SW
LEASE HAND		BRIAN JULIAN	8			BJ

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 22

DRIVERS

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
39	D.P. STANDS		1118.30
	D.P. SINGLES		
KELLY DOWN			-6.03
TOTAL			2778.00
WT. OF D.C.	37		
WT. OF STRING	84		

BIT RECORD

BIT NO.	3b		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	PDC HCM404Z		
SERIAL NO.	7002763		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)	2778		
DEPTH IN (m)	2630		
TOTAL DRILLED (m)	148.00		
TOTAL HRS RUN	30.0		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	up 10-18 down 5-10 S
TORQUE AT BOTTOM	8500
FILL ON BOTTOM (m)	

DAY TOUR — MUD RECORD

MUD TYPE: WATER BASED X OIL BASED ☐

TIME	1200	1500	
DENSITY (kg/m3)	1070	1060	
FUNNEL VISCOSITY	58	56	
FLUID LOSS (cm3)			
pH	10.5	10.5	
pvt	91.7	91.1	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	2	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
2	1060	1010	2030

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa: 13500

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM	2746
127	95	152		

REDUCED PUMP SPEED: 4800 @ 50 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2721.7	75.8	301.5
2731.16	74.1	300.7
2740.76	73.9	300.2
2750.12	75	300
2759.62	75.2	300..2

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2736	2778	D	30	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	PRETOUR SAFETY MEETING
815	830	0.25	10	Survey @ 2721.7m
830	900	0.50	5	Circ. up Bottoms
900	945	0.75	6	Wiper Trip to Shoe Wash Tight Hole 2633m-3634
945	1000	0.25	7	RIG SERVICE Func. Annular 23 sec. c/o 23 sec.
1000	1030	0.50	6	R.I.H 2717m Break circ.Wash to 2736m
1030	1115	0.75	2	DRILL F/2736m- 2746m Rotate
1115	1130	0.25	10	Survey @2731.16m
1130	1200	0.50	2	DRILL F/2746m - 2748m Slide
1200	1330	1.50	2	DRILL F/ 2748m- 2765.12m rotate
1330	1345	0.25	10	SURVEY @ 2750.12m
1345	1415	0.50	2	DRILL F/2765m- 2767m slide
1415	1545	1.50	2	DRILL F/ 2767m- 2778m
1545	1600	0.25	10	SURVEY @ 2759.62

NOTES: check crown saver,deadman anchor,fastline clamp and brake linkages
review jsas on D-1 rig service drawworks

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			work/tight hole		18496

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	12			MZ
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 2738

DRIVERS

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
41	D.P. STANDS		1175.84
	D.P. SINGLES		
KELLY DOWN			-8.57
TOTAL			2833.00
WT. OF D.C.	37		
WT. OF STRING	83		

BIT RECORD

BIT NO.	3b		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	PDC HCM404Z		
SERIAL NO.	7002763		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)	2833		
DEPTH IN (m)	2630		
TOTAL DRILLED (m)	203.00		
TOTAL HRS RUN	35.0		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	9dn 15up sliding
TORQUE AT BOTTOM	9100
FILL ON BOTTOM (m)	0

EVENING TOUR — MUD RECORD

MUD TYPE: WATER BASED X OIL BASED ☐

TIME	1730	2000	2400
DENSITY (kg/m3)	1050	1050	1050
FUNNEL VISCOSITY	52	53	54
FLUID LOSS (cm3)			
pH	11	10.5	10.5
pvt	89.5	88.4	88.2

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
2	1050	1010	2030

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa: 13800

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127	95	152	

REDUCED PUMP SPEED: 5000 @ 50 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2769.03	7.1	300.7
2778.55	73.9	300.6
2788.15	73.7	300.8
2797.77	73.3	300.7
2807.33	73.0	301.2
2817.02	72.5	301.1

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2778	2833	D	30	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1900	3.00	2	DRILL 2778m to 2803m
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2045	1.50	2	Drill 156mm Hole f/2803m to 2821m
2045	2200	1.25	6	Wipper Trip 10 Stands To Casing
2200	2230	0.50	2	Drill 156mm Hole f/2821m to 2833m
2230	2400	1.50	10	Accumulated Survey Time
2400				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-47 Prepare Floor For Trip/D-10 Operate Pipe Spinner

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			Wipper Trip		18980

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	4			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	4			VN
MOTOR HAND		DERWIN KOTCHEA	4			DK
FLOOR HAND		MOISE PUNCH	4			MP
FLOOR HAND		SEAN WOLOSCH	4			SW
LEASE HAND		BRIAN JULIAN	4			BJ

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 2738

DRIVERS

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Stated
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 30
RIG NO. 58
FUEL @ 08:00 HRS — RIG 146 | BOILER
WEATHER — TEMPERATURE | CURRENT CONDITIONS: CloudPartly | WIND DIRECTION: N.E. | ROAD CONDITION: ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE 2005/08/12 | TIME 00:15
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 | DP FUEL
CONTRACTOR'S JOB NUM 05-21883
TOUR SHEET SERIAL NUM AKTA58_20050930_1B
VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

PASON

CODE NO. 1 RIGUP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OFF DRILL LINE | 10 DEV. SURVEY | 11 WIRELINE LOGS | 12 RUN CSG & CEMENT | 13 WAIT ON CEMENT | 14 NIPPLE UP B.O.P. | 15 TEST B.O.P. | 16 DRILLSTEM TEST | 17 PLUG BACK | 18 SQUEEZE CEMENT | 19 FISHING | 20 DIR. WORK | 21 SAFETY MEETING | 22 | 23 | 24 | 25 | 26

TIME / HRS																										
MORN		6.5					0.25			1.0											0.25					
DAY																										
EVE																										
TOTAL		6.50					0.25			1.00											0.25					
TOTALS							8.00																			

SHALE SHAKER(S) — NO. 2 | TYPE Derrick FLC | TYPE Derrick FLC | SCREENS CHANGED NO | NEW USED
TOP 110 | TOP 110 | MIDDLE 140 | MIDDLE 140 | BOTTOM 140 | BOTTOM 140

RENTALS / SERVICES	MORN	DAY	EVE
TOTAL MJ	136	551	
ACCUM MJ	10	417	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	19.50		
TOTAL TOP DRIVE HRS	201.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 30
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER | RIG NO. 58
PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2738

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ALLAN LICKOCH	8		AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8		VN
MOTOR HAND		DERWIN KOTCHEA	8		DK
FLOOR HAND		MOISE PUNCH	8		MP
FLOOR HAND		SEAN WOLOSCH	8		SW
LEASE HAND		BRIAN JULIAN	8		BJ

RATE SCHEDULE X | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS 22 | DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		MARK ZAHODA			
DERRICK HAND		DOUG CHRISTIE			
MOTOR HAND		KENNETH LAUCK			
FLOOR HAND		BILL HETHERINGTON			
FLOOR HAND		MOSES LORD			
LEASE HAND		FREDDY CARPENTER			

RATE SCHEDULE | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS 2738 | DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ALLAN LICKOCH	4		
DERRICK HAND		VIRGIL NANAQUAWETUNG			
MOTOR HAND		DERWIN KOTCHEA	4		
FLOOR HAND		MOISE PUNCH	4		
FLOOR HAND		SEAN WOLOSCH	4		
LEASE HAND		BRIAN JULIAN	4		

RATE SCHEDULE X | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS 2738 | DRIVERS

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		29
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
37	D.P. STANDS		1080.43
2	D.P. SINGLES		-10.16
	KELLY DOWN		2736.00
	TOTAL		
	WT. OF D.C.	37	
	WT. OF STRING	83	

BIT RECORD

BIT NO.	2b
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM4042
SERIAL NO.	7002763
JETS	12.7 / 12.7 / 12.7 / 12.7
DEPTH OUT (m)	2736
DEPTH IN (m)	2630
TOTAL DRILLED (m)	106.00
TOTAL HRS RUN	25.25

CUTTING STRUCTURE: Ti | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	9dn 15up sliding
TORQUE AT BOTTOM	8100
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE		WATER BASED	OIL BASED
TIME	200	400	600
DENSITY (kg/m3)	1035	1040	1040
FUNNEL VISCOSITY	54	52	53
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
	93		92.4

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GEL	40	SX
CAUSTIC	2	SX
SAWDUST	35	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
13800	127	95	152	

REDUCED PUMP SPEED: 5000 @ 50 @ 2698

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2684.19	77.2	312.8
2693.39	77.5	309.2
2702.74	77.6	306.9
2712.23		

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2696	2736	D	80	10

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0015	0.25	21	Pre-Tour Safety Meeting
0015	0030	0.25	2	Drill 156mm Holef/2696m to 2699m
0030	0045	0.25	10	Survey @ 2684.19m
0045	0145	1.00	2	Drill 156mm Holef/2699m to 2708m
0145	0200	0.25	7	Rig Service/Function Top Pipe Rams 7sec. c/s Checked RSPP
0200	0215	0.25	10	Survey @ 2693.39m
0215	0445	2.50	2	Drill 156mm Holef/2708 to 2717m
0445	0500	0.25	10	Survey @ 2702.74m
0500	0630	1.50	2	Drill 156mm Hole f/2717m to 2727m
0630	0645	0.25	10	Survey @ 2712.23m
0645	0800	1.25	2	Drill 156mm Hole f/2727m to2736m
0800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-25 Loader Operation/N-1 Working On Muddy Lease

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Hoisting Tubulars | MEHL | MACP: 19221

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: Ti | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE		WATER BASED	OIL BASED
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800				

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: Ti | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE		WATER BASED	OIL BASED
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (once/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (once/qtr/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

QPR	R	M

YEAR 2005 MONTH 9 DAY 29
RIG NO. 58
FUEL @ 08:00 HRS
RIG 170 BOILER

WEATHER
TEMPERATURE
CURRENT CONDITIONS: CloudPartly
WIND DIRECTION: N.E
ROAD CONDITION: ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
		127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12 TIME 00:15
RIG RELEASE	TIME
WELL TYPE	DIR. RE-ENTRY YES
OPERATOR'S AFE	
KELLY BSHG	6.8 OP FUEL
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20050929_1C
VENDOR SOFTWARE VERSION	EDR 3-1-4 HF2 ETS 2.2

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 Tight Hole	23	24	25	26
MORN		6.75			0.75					0.5																
DAY		4.75								0.5											0.25	2.5				
EVE		7.25					0.25			0.5																
TOTAL		18.75			0.75		0.25			1.50											0.25	2.50				

TOTALS	NO. / TYPE Derrick FLC	TYPE Derrick FLC
8.00	SCREENS CHANGED NO	NEW USED
8.00	110 TOP	110 TOP
8.00	140 MIDDLE	140 MIDDLE
24.00	140 BOTTOM	140 BOTTOM

SHALE SHAKER(S)

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	136	551	
ACCUM MJ	10	417	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	13.25		
TOTAL TOP DRIVE HRS	181.75		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2737

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
35	D.P. STANDS		1004.80
	D.P. SINGLES		
KELLY DOWN			-19.53
TOTAL			2651.00
WT. OF D.C.	37		
WT. OF STRING	82		

BIT RECORD

BIT NO.	2b		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	PDC HCM404Z		
SERIAL NO.	7002763		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)	2651		
DEPTH IN (m)	2630		
TOTAL DRILLED (m)	21.00		
TOTAL HRS RUN	6.75		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	8 dn 15up sliding
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: WATER BASED X OIL BASED

TIME	200	400	600
DENSITY (kg/m3)	1040	1040	1040
FUNNEL VISCOSITY	61	65	62
FLUID LOSS (cm3)			
pH	10.5	10	10.5
pvt	86.8	82.5	85.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	2	SX
humalite	4	SX
QPAC	6	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
14700	127	95	152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2617.52	66.0	322.3
2627.05	69.0	321.6

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2630	2651	D	90	10

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0045	0.75	5	Brk., Circ. & Wash Down f/2596m to 2630m
0045	0115	0.50	2	Drill f/2630m to 2632m
0115	0130	0.25	10	Survey @ 2617.52m
0130	0345	2.25	2	Drill f/2632m to 2642m
0345	0400	0.25	10	Survey @ 2627.05m
0400	0800	4.00	2	Drill f/2642m to 2651m
0800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-3 Make Connections (using Pipe Screen)

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			Connections		19463

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS	DRIVERS
21	

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		SEAN WOLOSCH	8			SW
LEASE HAND		BRIAN JULIAN	8			BJ

INJURIES

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
35	D.P. STANDS		1004.80
2	D.P. SINGLES		19.2
KELLY DOWN			-15.73
TOTAL			2674.00
WT. OF D.C.	37		
WT. OF STRING	82		

BIT RECORD

BIT NO.	2b		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	PDC HCM404Z		
SERIAL NO.	7002763		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)	2674		
DEPTH IN (m)	2630		
TOTAL DRILLED (m)	44.00		
TOTAL HRS RUN	11.5		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10 up 10 down no rot
TORQUE AT BOTTOM	8200
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE: WATER BASED OIL BASED

TIME	0800	1100	1500
DENSITY (kg/m3)	1040	1040	1040
FUNNEL VISCOSITY	49	54	52
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5
pvt	93.7	93.1	93.1

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	2	SX
KELZAN XCD	4	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
12800	127	95	152	2651

REDUCED PUMP SPEED: 8000 @ 50 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2661.03	73.1	318.5
2655.33	77.4	318.5

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2651	2674	D	30	4
			0	8

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pretour Saftey Meeting
815	930	1.25	2	Drill F/ 2651m- 2659m slide
930	1200	2.50	22	Work Tight Hole 2654m-2659m
1200	1245	0.75	2	DRILL F/2659m-2661.03 Slide
1245	1300	0.25	10	SURVEY @ 2646.03m
1300	1330	0.50	2	DRILL F/2661m-2665m Rotate
1330	1445	1.25	2	DRILL F/2665m- 2670m slide
1445	1500	0.25	10	SURVEY @ 2655.53m
1500	1600	1.00	2	DRILL F/2670m-2674m
1600				

NOTES: Check crown saver, Deadline anchor,Fastline Clamp, Break linkages
Review jsas D-40 picking up tubulars to rig floor, mouse hole

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			Pick up tubulars		18979

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS	DRIVERS
2737	

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	12			MZ
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC

INJURIES

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
36	D.P. STANDS		1033.46
1	D.P. SINGLES		9.20
KELLY DOWN			-12.39
TOTAL			2696.00
WT. OF D.C.	37		
WT. OF STRING	82		

BIT RECORD

BIT NO.	2b		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	PDC HCM404Z		
SERIAL NO.	7002763		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)	2696		
DEPTH IN (m)	2630		
TOTAL DRILLED (m)	66.00		
TOTAL HRS RUN	18.75		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	8dn 15up sliding
TORQUE AT BOTTOM	7500
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: WATER BASED OIL BASED

TIME	1700		
DENSITY (kg/m3)	1040		
FUNNEL VISCOSITY	58		
FLUID LOSS (cm3)			
pH	10.5		
pvt	93		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
13800	127	95	152	0

REDUCED PUMP SPEED: 4900 @ 50 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2665.12	78.4	318.8
2674.73	77.8	316.9

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2674	2696	D	30	10

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1800	2.00	2	DRILL F/2674 m-2680m
1800	1815	0.25	10	SURVEY @ 2665.12m
1815	2145	3.50	2	DRILL F/ 2680m-2689m
2145	2200	0.25	7	Rig Service/Function Annular 19 sec. c/s Checked RSPP
2200	2215	0.25	10	Survey @ 2674.73m
2215	2400	1.75	2	Drill f/2689m to 2697m

NOTES: Check crown saver,Deadline Anchor,Fastline Clamp and Brake linkages
Grease Crown and Blocks
Review Jsa D-40 Picking Up Tubulars To Floor

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			Loader Use		19221

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS	DRIVERS
2737	

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	4			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	4			VN
MOTOR HAND		DERWIN KOTCHEA	4			DK
FLOOR HAND		MOISE PUNCH	4			MP
FLOOR HAND		SEAN WOLOSCH	4			SW
LEASE HAND		BRIAN JULIAN	4			BJ

INJURIES

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Sick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (one/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR	MONTH	DAY
2005	9	29

RIG NO. 58 | FUEL @ 08:00 HRS | RIG 170 | BOILER

WEATHER: TEMPERATURE; CURRENT CONDITIONS: CloudPartly; WIND DIRECTION: N.E.; ROAD CONDITION: ROUGH

	DC/ DP	DC/ DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DC	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
	DP	127	74.35	HWDP			4.5IF	17

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE:	2005/08/12
TIME:	00:15
RIG RELEASE:	
TIME:	
WELL TYPE:	DIR.
RE-ENTRY:	YES
OPERATOR'S AFE:	
KELLY BSHG:	6.8
OP FUEL:	
CONTRACTOR'S JOB NUM:	05-21883
TOUR SHEET SERIAL NUM:	AKTA58_20050929_1B
VENDOR SOFTWARE VERSION:	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME-HRS

CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

	RIG/UP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING
MORN		6.75			0.75					0.5											
DAY																					
EVE																					
TOTAL		6.75			0.75					0.50											

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC / TYPE Derrick FLC	TOTAL MJ	94	17	
	SCREENS CHANGED NO / NEW/USED	ACCUM MJ	135	551	
	TOP 110 / TOP 110	ACCUM OIL LEVEL	.32		
	MIDDLE 140 / MIDDLE 140	TOP DRIVE HRS	13.25		
8.00	BOTTOM 140 / BOTTOM 140	TOTAL TOP DRIVE HRS	181.75		

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		.29
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
35	D.P. STANDS		1004.80
	D.P. SINGLES		
	KELLY DOWN		-19.53
	TOTAL		2651.00
	WT. OF D.C.	37	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	2b
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404Z
SERIAL NO.	7002763
JETS	12.7 12.7 12.7 12.7
DEPTH OUT (m)	2651
DEPTH IN (m)	2630
TOTAL DRILLED (m)	21.00
TOTAL HRS RUN	6.75

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	8 dn 15up sliding
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	0

MORNING TOUR

MUD RECORD

MUD TYPE		WATER BASED	X	OIL BASED	
TIME		200	400	600	
DENSITY (kg/m3)		1040	1040	1040	
FUNNEL VISCOSITY		61	65	62	
FLUID LOSS (cm3)					
pH		10.5	10	10.5	
pvt		86.8	82.5	85.5	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	2	SX
humalite	4	SX
QPAC	6	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
14700	127	95	152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2617.52	66.0	322.3
2627.05	69.0	321.6

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2630	2651	D	90	10

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0045	0.75	5	Brk., Circ. & Wash Down f/2596m to 2630m
0045	0115	0.50	2	Drill f/2630m to 2632m
0115	0130	0.25	10	Survey @ 2617.52m
0130	0345	2.25	2	Drill f/2632m to 2642m
0345	0400	0.25	10	Survey @ 2627.05m
0400	0800	4.00	2	Drill f/2642m to 2651m
0800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA D-3 Make Connections (using Pipe Screen)

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
Connections		19463

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
21	

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		SEAN WOLOSCH	8			SW
LEASE HAND		BRIAN JULIAN	8			BJ

DAY TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
800				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEH. | MACP

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2737	

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

EVENING TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEH. | MACP

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2737	

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH				
DERRICK HAND		VIRGIL NANAQUAWETUNG				
MOTOR HAND		DERWIN KOTCHEA				
FLOOR HAND		MOISE PUNCH				
FLOOR HAND		SEAN WOLOSCH				
LEASE HAND		BRIAN JULIAN				

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2737

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		SEAN WOLOSCH	8			SW
LEASE HAND		BRIAN JULIAN	8			BJ

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH				
DERRICK HAND		VIRGIL NANAQUAWETUNG				
MOTOR HAND		DERWIN KOTCHEA				
FLOOR HAND		MOISE PUNCH				
FLOOR HAND		SEAN WOLOSCH				
LEASE HAND		BRIAN JULIAN				

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M)

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (ona/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (ona/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 28
RIG NO. 58
FUEL @ 08:00 HRS
RIG 106 | BOILER

WEATHER
TEMPERATURE
CURRENT CONDITIONS: Cloud/Partly
WIND DIRECTION: N.E.
ROAD CONDITION: ROUGH

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
LAST CASING									
TUBING									
OR									
LINER									

	DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
		127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20050928_1D		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIME - HRS

CODE NO.: 1 RIGUP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OFF DRILL LINE | 10 DEV SURVEY | 11 WIRELINE LOGS | 12 RUN CSG & CEMENT | 13 WAIT ON CEMENT | 14 NIPPLE UP B.O.P. | 15 TEST B.O.P. | 16 DRILLSTEM TEST | 17 PLUG BACK | 18 SQUEEZE CEMENT | 19 FISHING | 20 DIR. WORK | 21 SAFETY MEETING | 22 | 23 | 24 | 25 | 26

	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING
MORN			0.5		2.25	5.25															
DAY			5.75			2.0															0.25
EVE						6.75	0.25													1.0	
TOTAL			6.25		2.25	14.00	0.25													1.00	0.25
TOTALS																					

SHALE SHAKER(S)				RENTALS / SERVICES	MORN	DAY	EVE
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	94	17	
SCREENS CHANGED	NO	NEW / USED		ACCUM MJ	135	551	
8.00	TOP 110	TOP 110		ACCUM OIL LEVEL	.32		
8.00	MIDDLE 140	MIDDLE 140		TOP DRIVE HRS	4.25		
24.00	BOTTOM 140	BOTTOM 140		TOTAL TOP DRIVE HRS	168.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	28

OPERATOR: PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME: AKITA DRILLING LTD.
RIG MANAGER | RIG NO. 58
PROVINCE: N.W.T. | CAMP: X YES ☐ NO | RIG SAFETY DAYS: 2736

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	INJURIES NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		SEAN WOLOSCH	8			SW
LEASE HAND		BRIAN JULIAN	8			BJ

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 20 | DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	INJURIES NO
DRILLER		MARK ZAHODA	12			MZ
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2736 | DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	INJURIES NO
DRILLER		ALLAN LICKOCH	4			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	4			VN
MOTOR HAND		DERWIN KOTCHEA	4			DK
FLOOR HAND		MOISE PUNCH	4			MP
FLOOR HAND		SEAN WOLOSCH	4			SW
LEASE HAND		BRIAN JULIAN	4			BJ

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2736 | DRIVERS

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
1		156	29
1	JUNK SUB	126	.76
1	BIT SUB	118	.76
20	H.W.D.P.	121	183.68
1	JAR	121	3.90
30	H.W.D.P.	121	275.53
106	89mm X-95 D.P.	121	1022.55
1	X.O.		.40
15	H.W.D.P.	127	141.20
35	D.P. STANDS		1004.80
	D.P. SINGLES		
KELLY DOWN			-3.77
TOTAL			2630.10
WT. OF D.C.	48		
WT. OF STRING	80		

BIT RECORD	
BIT NO.	2
SIZE	155.6
IADC CODE	2 1 6
MANUFACTURER	HUGHES
TYPE	ATJ4
SERIAL NO.	5079903
JETS	OPEN
DEPTH OUT (m)	2630.1
DEPTH IN (m)	2628.7
TOTAL DRILLED (m)	1.40
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION	
HOLE DRAG	4-7 daN Up & Dn
TORQUE AT BOTTOM	7800
FILL ON BOTTOM (m)	1

MORNING TOUR — MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED ☐

TIME	200	400	600
DENSITY (kg/m3)	1030		
FUNNEL VISCOSITY	62		
FLUID LOSS (cm3)			
pH	10.5		
PVT	80.9		

MUD MATERIALS ADDED		
PRODUCT	AMOUNT	UNIT
BARITE	40	SX

SOLIDS CONTROL — CENTRIFUGE

	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN			
HOURS RUN			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7100	127	80	152	

REDUCED PUMP SPEED: 2820 @ 50 @ 2629

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2628.7	2630.1	R	80	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	115	1.25	6	Trip In Hole f/1722m to 2547m
115	0230	1.25	5	Brk. Circ & Wash Down f/2547m to 2628.7m
0230	0300	0.50	3	Ream Down f/2628.7m to 2630m (work stand with & with out Pump)
0300	0400	1.00	5	Circulate Bottoms Up (flow check) Pump pill
0400	0630	2.50	6	Trip Out Of Hole to 1145m/Flow Check 5stds.2488m/
0630	0800	1.50	6	Trip In Hole

NOTES: Checked; crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-6 Trip In The Hole With Top Drive/D-5 P.O.O.H.
D-47 Prepare The Floor For Tripping

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Tripping		19463

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
1		156	29
1	JUNK SUB	126	.76
1	BIT SUB	118	.76
20	H.W.D.P.	121	183.68
1	JAR	121	3.90
30	H.W.D.P.	121	275.53
106	89mm X-95 D.P.	121	1022.55
1	X.O.		.40
	H.W.D.P.	127	141.20
35	D.P. STANDS		1004.80
	D.P. SINGLES		
KELLY DOWN			-3.77
TOTAL			2630.10
WT. OF D.C.	48		
WT. OF STRING	80		

BIT RECORD	
BIT NO.	2
SIZE	155.6
IADC CODE	2 1 6 0
MANUFACTURER	HUGHES
TYPE	ATJ4
SERIAL NO.	5079903
JETS	OPEN
DEPTH OUT (m)	2630.1
DEPTH IN (m)	2628.7
TOTAL DRILLED (m)	1.40
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION	
HOLE DRAG	10-18 UP NO ROTARY
TORQUE AT BOTTOM	8500
FILL ON BOTTOM (m)	

DAY TOUR — MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME	1100		
DENSITY (kg/m3)	1030		
FUNNEL VISCOSITY	59		
FLUID LOSS (cm3)			
pH	11		
PVT	82.7		

MUD MATERIALS ADDED		
PRODUCT	AMOUNT	UNIT
BARITE	34	SX

SOLIDS CONTROL — CENTRIFUGE

	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN			
HOURS RUN			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
6900	127	80	152	2630

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	PRETOUR SAFETY MEETING
815	1400	5.75	3	WASH AND REAM F/ 2566M-2630M TORQUE SPOTS 2580,2590,2601 AND 2592M
1400	1600	2.00	6	P.O.O.H FLOW CHECK @ 5 STDS, 1/2 WAY OUT,

NOTES: CHECK CROWN SAVER, INSPECT DEADMAN ANCHOR, BRAKE LINKAGES AND FAST LINE CLAMP
REVIEW JSA'S D-6 R.I.H W/T.D D-10 OPER. PIPE SPINNER

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
R.I.H W/T.D		19463

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
1	MOTOR	156	7.54
1	Float/Restrictor Sub	120	.66
1	M.W.D.	121	9.49
1	Transmitter Sub	119	1.51
2	FLEX MONEL	121	18.98
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
50	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
	D.P. STANDS		
	D.P. SINGLES		
KELLY DOWN			
TOTAL			1665.73
WT. OF D.C.	48		
WT. OF STRING	80		

BIT RECORD	
BIT NO.	2b
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	PDC HCM404Z
SERIAL NO.	7002763
JETS	12.7 12.7 12.7 12.7
DEPTH OUT (m)	
DEPTH IN (m)	2630
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION	
HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

EVENING TOUR — MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED		
PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL — CENTRIFUGE

	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN			
HOURS RUN			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2630				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1945	3.75	6	P.O.O.H FLOW CHECK @ HWDP & Out Of Hole
1945	2000	0.25	7	Rig Service/Function Blind Rams 6sec. c/s
2000	2100	1.00	20	Set Mud Motor @ 1.83 deg. & Scrib MWD Tool
2100	2400	3.00	6	Trip In Hole to 2596m Bridged Off (fill pipe every 600m)
2400				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-6 Trip In Hole with Top Drive

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Tripping		19463

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Weil Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	OPR	R.M.
DAILY		
REPAIRS		

YEAR 2005 | MONTH 9 | DAY 28
RIG NO. 58
FUEL @ 08:00 HRS
RIG 106 | BOILER
TEMPERATURE 1
CURRENT CONDITIONS CloudPartly
WIND DIRECTION N.E.
ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
		127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12
TIME	00:15
RIG RELEASE	
TIME	
WELL TYPE	DIR.
RE-ENTRY	YES
OPERATOR'S AFE	
KELLY BSHG	6.8
OP FUEL	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20050928_1C
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN			0.5		2.25	5.25																				
DAY																										
EVE																										
TOTAL			0.50		2.25	5.25																				

TOTALS	NO. 2	TYPE	TYPE	MORN	DAY	EVE
		Derrick FLC	Derrick FLC	TOTAL MJ	11	67
8.00	SCREENS CHANGED	NO	NEW/ USED	ACCUM MJ	127	301
	TOP 110		TOP 110	ACCUM OIL LEVEL	32	
	MIDDLE 140		MIDDLE 140	TOP DRIVE HRS	4.25	
8.00	BOTTOM 140		BOTTOM 140	TOTAL TOP DRIVE HRS	168.5	

SHALE SHAKER(S) / RENTALS / SERVICES

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	28
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER		RIG NO: 58	
PROVINCE: N.W.T.	CAMP: X YES ☐ NO	RIG SAFETY DAYS: 2736	

NO. | DRILLING ASSEMBLY (AT END OF TOUR) | LENGTH

NO.	BIT	O.D.	LENGTH
1		156	.29
1	JUNK SUB	126	.76
1	BIT SUB	118	.76
20	H.W.D.P.	121	183.68
1	JAR	121	3.90
30	H.W.D.P.	121	275.53
106	89mm X-95 D.P.	121	1022.55
1	X.O.		.40
15	H.W.D.P.	127	141.20
35	D.P.	STANDS	1004.80
	D.P.	SINGLES	
KELLY DOWN			-3.77
TOTAL			2630.10
WT. OF D.C.	48		
WT. OF STRING	80		

BIT RECORD

BIT NO.	2
SIZE	155.6
IADC CODE	2 1 6
MANUFACTURER	HUGHES
TYPE	ATJ4
SERIAL NO.	5079903
JETS	OPEN
DEPTH OUT (m)	2630.1
DEPTH IN (m)	2628.7
TOTAL DRILLED (m)	1.40
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	4-7 daN Up & Dn
TORQUE AT BOTTOM	7800
FILL ON BOTTOM (m)	1

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED [X] | OIL BASED [ ]

TIME	200	400	600
DENSITY (kg/m3)	1030		
FUNNEL VISCOSITY	62		
FLUID LOSS (cm3)			
pH	10.5		
PVT	80.9		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	40	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa: 7100

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127	80	152	

REDUCED PUMP SPEED: 2820 @ 50 @ 2629

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2628.7	2630.1	R	80	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	115	1.25	6	Trip In Hole f/1722m to 2547m
115	0230	1.25	5	Brk. Circ & Wash Down f/2547m to 2628.7m
0230	0300	0.50	3	Ream Down f/2628.7m to 2630m
0300	0400	1.00	5	Circulate Bottoms Up (flow check) Pump pill
0400	0630	2.50	6	Trip Out Of Hole to 1145m/Flow Check 5stds.2488m/
0630	0800	1.50	6	Trip In Hole

NOTES
Checked; crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-6 Trip In The Hole With Top Drive/D-5 P.O.O.H.
D-47 Prepare The Floor For Tripping

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
Tripping		19463

RATE SCHEDULE | X | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS: 20

DRIVERS

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		SEAN WOLOSCH	8			SW
LEASE HAND		BRIAN JULIAN	8			BJ

INJURIES

NO. | DRILLING ASSEMBLY (AT END OF TOUR) | LENGTH

NO.	BIT	O.D.	LENGTH
D.P.		STANDS	
D.P.		SINGLES	
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [ ]

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa:

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP

RATE SCHEDULE | | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS: 2736

DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO

INJURIES

NO. | DRILLING ASSEMBLY (AT END OF TOUR) | LENGTH

NO.	BIT	O.D.	LENGTH
D.P.		STANDS	
D.P.		SINGLES	
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [ ]

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa:

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP

RATE SCHEDULE | | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS: 2736

DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO

INJURIES

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R.M
(1.) Daily Walk Around Inspection	AI	GP
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required	AI	GP
(4.) Well Licence & Stick Diagram Posted	AI	GP
(5.) Flare Lines Staked	AI	GP
(6.) BOP Drills Performed	AI	GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	AI	GP
(1.) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		GP
(3.) Mast Inspection before Raising or Lowering		GP
(4.) Crown Saver Checked		GP
(5.) Motor Kills Checked		GP

YEAR 2005 MONTH 9 DAY 27

RIG NO. 58

FUEL @ 08:00 HRS 122

RIG BOILER

TEMPERATURE

1

CURRENT CONDITIONS: Cloud/Partly

WIND DIRECTION: N.E.

ROAD CONDITION: ROUGH

LAST CASING OR LINER

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12
TIME	00:15
RIG RELEASE	
TIME	
WELL TYPE	DIR.
RE-ENTRY	YES
OPERATOR'S AFE	
KELLY BSH3	6.8
OP FUEL	
CONTRACTOR'S JOB NUM.	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20050927_1D
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 tight hole	23	24	25	26
MORN																						8.0				
DAY					0.5	6.25															0.25	1.0				
EVE						4.75	0.25	1.5	1.0												0.5					
TOTAL					0.50	11.00	0.25	1.50	1.00												0.75	9.00				
TOTALS																					8.00					
																					8.00					
																					8.00					
																					24.00					

SHALE SHAKER(S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC
SCREENS CHANGED	NO	NEW / USED
TOP	110	110 TOP
MIDDLE	140	140 MIDDLE
BOTTOM	140	140 BOTTOM

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	11	67	
ACCUM MJ	127	301	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	2.25		
TOTAL TOP DRIVE HRS	164.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	27

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
GARY PATRICK (RM)	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2735

MORNING TOUR

FROM 0 TO 800

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.29
1	MOTOR	121	7.76
1	FLOAT/RESTRICTOR	120	.66
1	M.W.D.	121	9.49
1	TRANSMITTER SUB	119	1.51
1	FLEX MONEL	121	9.49
1	FLEX MONEL	121	9.49
1	JAR	121	3.90
106	3.5 DRILL PIPE	121	1022.55
50	3.5in HWDP	121	459.21
1	X.O.	150	.40
15	H.W.D.P.	127	141.20
34	D.P. STANDS		976.32
	D.P. SINGLES		
	KELLY DOWN		-12.27
	TOTAL		2630.00
	WT. OF D.C.	50	
	WT. OF STRING	84	

BIT RECORD

BIT NO.	1 B		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	HCM404		
SERIAL NO.	7002762		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)	2630		
DEPTH IN (m)	2567		
TOTAL DRILLED (m)	63.00		
TOTAL HRS RUN	11.5		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	X
TIME		100	500	630	
DENSITY (kg/m3)		1040	1040	1045	
FUNNEL VISCOSITY		56	54	52	
FLUID LOSS (cm3)					
pH		10.5	10.5	10.5	
PVT.m3		80.9	81.0	81.3	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa: 13350

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127	70	152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	800	8.00	22	Work & attempt to free Stuck Pipe.
800				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # E-3 CLEANING SCR ROOM, G-14 WASHING RIG

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		WORK TIGHT HOLE		19463

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
19	KEVIN VANDENBRAND
	SHAWN WATSON

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	10			KV
DERRICK HAND		SHAWN WATSON	10			SW
MOTOR HAND		GREG ST.ARNAUD	10			GS
FLOOR HAND		JUSTIN MILLER	10			JM
FLOOR HAND		JASON SMITH	10			JS
LEASE HAND		DAVID FRANKLIN	10			DF

DAY TOUR

FROM 800 TO 1600

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.29
1	MOTOR	121	7.76
1	FLOAT/RESTRICTOR	120	.66
1	M.W.D.	121	9.49
1	TRANSMITTER SUB	119	1.51
1	FLEX MONEL	121	9.49
1	FLEX MONEL	121	9.49
1	JAR	121	3.90
106	3.5 DRILL PIPE	121	1022.55
50	3.5in HWDP	121	459.21
1	X.O.	150	.40
15	H.W.D.P.	127	141.20
34	D.P. STANDS		976.32
	D.P. SINGLES		
	KELLY DOWN		-12.27
	TOTAL		2630.00
	WT. OF D.C.	50	
	WT. OF STRING	84	

BIT RECORD

BIT NO.	1 B		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	HCM404		
SERIAL NO.	70027625		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)	2630		
DEPTH IN (m)	2567		
TOTAL DRILLED (m)	63.00		
TOTAL HRS RUN	11.5		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE		WATER BASED	X	OIL BASED	
TIME		800			
DENSITY (kg/m3)		1035			
FUNNEL VISCOSITY		60			
FLUID LOSS (cm3)					
pH		10.5			
PVT		81.5			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	32	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2630				

CIRCULATION PRESSURE kPa: 12800

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127	70	152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	915	1.00	22	Work & Free Stuck Pipe
915	1015	1.00	6	Pull Up Into Casing (3 stands) Flow Checked
1015	1045	0.50	5	Mix & Pump Pill
1045	1600	5.25	6	Trip Out Of Hole/flow check @ 5stds.,& 89mm HWDP
				Flow Check Out Of Hole

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA D-5 Pull Out Of Hole/D-8 Dog Collar Use

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		Work Tight Hole		19463

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
2735	

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	10			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	10			VN
MOTOR HAND		DERWIN KOTCHEA	10			DK
FLOOR HAND		MOISE PUNCH	10			MP
FLOOR HAND		SEAN WOLOSCH	10			SW

EVENING TOUR

FROM 1600 TO 2400

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	156 .29
1	JUNK SUB	126	.76
1	BIT SUB	118	.76
29	H.W.D.P.	121	183.68
1	JAR	121	3.90
30	H.W.D.P.	121	275.52
106	101.6mm drillpipe	121	1022.55
1	X.O.		.40
15	H.W.D.P.	127	141.20
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		1629.06
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	1 B	2	
SIZE	156	155.6	
IADC CODE		2 1 6	
MANUFACTURER	HUGHES	HUGHES	
TYPE	HCM404	ATJ4	
SERIAL NO.	70027625	5079903	
JETS	12.7	12.7	OPEN
	12.7	12.7	
DEPTH OUT (m)	2630	2630	
DEPTH IN (m)	2567		
TOTAL DRILLED (m)	63.00		
TOTAL HRS RUN	11.5		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa:

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MARK ZAHODA

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1615	0.25	21	PRE-TOUR SAFETY MEETING
1615	1630	0.25	6	Continue out of hole lay down directional tools
1630	1645	0.25	7	RIG SERVICE function shear rams 8 sec c/o 8 sec
1645	1915	2.50	6	MAKE UP BHA , R.I.H TO 464.M
1915	1930	0.25	21	HOLD BOP DRILL
1930	2030	1.00	9	CUT 20M , SLIP 20M
2030	2200	1.50	8	WORK ON GRABBER BOX
2200	2400	2.00	6	R.I.H FILL AT 1500M
2400				

NOTES: check crown saver, deadman anchor , fastline clamp and brake linkages

trip record cal. 10. 42 meas. 11.76 diff. 1.34

review jsa D-4 P.O.O.H , D- 10 OPER. PIPE SPINNER

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		BOP DRILL		19463

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2735	

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		

INSPECTIONS

(1.) Rig Site Health & Safety Meeting (one/week/month)	
(2.) CAODC Rig Safet Inspection Checklist (one/q/month)	
(3.) Mast Inspection before Raising or Lowering	
(4.) Crown Saver Checked	
(5.) Motor Kills Checked	

YEAR 2005 | MONTH 9 | DAY 27

RIG NO. 58 — FUEL @ 08:00 HRS

RIG 122 | BOILER

TEMPERATURE 12

CURRENT CONDITIONS CloudPartly cloudy

WIND DIRECTION S.E.

ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

	SPUD DATE	2005/08/12	TIME	00:15
	RIG RELEASE		TIME	
	WELL TYPE	DIR.	RE-ENTRY	YES
	OPERATOR'S AFE			
	KELLY BSHG	6.8	DP FUEL	
	CONTRACTOR'S JOB NUM	05-21883		
	TOUR SHEET SERIAL NUM	AKTA58_20050927_1B		
	VENDOR SOFTWARE VERSION	EDR 3-1-4 HF2 ETS 2.2		

CAODC

PASON

CODE NO. 1 RIGUP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OFF DRILL LINE | 10 DEV. SURVEY | 11 WIRELINE LOGS | 12 RUN CSG & CEMENT | 13 WAIT ON CEMENT | 14 NIPPLE UP B.O.P. | 15 TEST B.O.P. | 16 DRILLSTEM TEST | 17 PLUG BACK | 18 SQUEEZE CEMENT | 19 FISHING | 20 DIR. WORK | 21 SAFETY MEETING | 22 tight hole | 23 | 24 | 25 | 26

TIME SHEETS																										
MORN																						8.0				
DAY																										
EVE																										
TOTAL																						8.00				

SHALE SHAKER(S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC
SCREENS CHANGED		NEWT USED
TOP	110	110
MIDDLE	140	140
BOTTOM	140	140

TOTALS	
	8.00
	8.00

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	20	039	
ACCUM MJ	123	039	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	2.25		
TOTAL TOP DRIVE HRS	164.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	27

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
GARY PATRICK (RM)	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2735

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.29
1	MOTOR	121	7.76
1	FLOAT/RESTRICTOR	120	.66
1	M.W.D.	121	9.49
1	TRANSMITTER SUB	119	1.51
1	FLEX MONEL	121	9.49
1	FLEX MONEL	121	9.49
1	JAR	121	3.90
108	3.5 DRILL PIPE	121	1022.55
50	3.5in HWDP	121	459.21
1	X.O.	150	.40
15	H.W.D.P.	127	141.20
34	D.P. STANDS		976.32
	D.P. SINGLES		
	KELLY DOWN		-12.27
	TOTAL		2630.00
	WT. OF D.C.	50	
	WT. OF STRING	84	

BIT RECORD

BIT NO.	1 B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	HCM404
SERIAL NO.	7002762
JETS	12.7 12.7 12.7
DEPTH OUT (m)	2630
DEPTH IN (m)	2567
TOTAL DRILLED (m)	63.00
TOTAL HRS RUN	11.5

CUTTING STRUCTURE: TI | TO | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	X
TIME		100		500	
DENSITY (kg/m3)		1040		1040	
FUNNEL VISCOSITY		56		54	
FLUID LOSS (cm3)					
pH		10.5		10.5	
PVT.m3		80.9		81.0	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
13350	127	70	152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	800	8.00	22	Work Stuck Pipe
800				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # E-3 CLEANING SCR ROOM, G-14 WASHING RIG

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

WORK TIGHT HOLE | | 19463

RATE SCHEDULE | REGULAR | | REPAIR | X | INVERT

CREW SAFETY DAYS	DRIVERS
19	KEVIN VANDENBRAND
	SHAWN WATSON

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	10			KV
DERRICK HAND		SHAWN WATSON	10			SW
MOTOR HAND		GREG ST.ARNAUD	10			GS
FLOOR HAND		JUSTIN MILLER	10			JM
FLOOR HAND		JASON SMITH	10			JS
LEASE HAND		DAVID FRANKLIN	10			DF

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: TI | TO | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS	DRIVERS
2735	

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		VIRGIL NANAQUAWETUNG				
MOTOR HAND		DERWIN KOTCHEA				
FLOOR HAND		MOISE PUNCH				
FLOOR HAND		SEAN WOLOSCH				
LEASE HAND		ALEX MILIC				

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: TI | TO | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

EVENING TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS	DRIVERS
2735	KEVIN VANDENBRAND
	SHAWN WATSON

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 MONTH 9 DAY 26
RIG NO. 58
FUEL @ 08.00 HRS
RIG 141 BOILER
WEATHER: TEMPERATURE -17 CURRENT CONDITIONS CloudPartly cloudy WIND DIRECTION S.E. ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE 2005/08/12 TIME 00:15
RIG RELEASE TIME
WELL TYPE DIR. RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 DP FUEL
CONTRACTOR'S JOB NUM 05-21883
TOUR SHEET SERIAL NUM AKTA58_20050926_1C
VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 Tight Hole	23	24	25	26
TIME - HRS MORN			4.5		1.0																					2.5
DAY		6.25			0.75					0.75											0.25					8.00
EVE		3.5								0.5											0.25	3.75				8.00
TOTAL		9.75	4.50		1.75					1.25											0.50	3.75				2.50

TOTALS	clean tanks
	8.00
	8.00
	8.00
	24.00

SHALE SHAKER(S) — NO. 2; TYPE Derrick FLC; SCREENS CHANGED YES; NEW/USED NEW; TOP 110; MIDDLE 140; BOTTOM 140
NO. 1; TYPE Derrick FLC; TOP 110; MIDDLE 140; BOTTOM 140

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	20	039	
ACCUM MJ	123	039	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	2.25		
TOTAL TOP DRIVE HRS	164.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A — YEAR 2005 — MONTH 9 — DAY 26
OPERATOR PARAMOUNT RESOURCES LTD. — CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER GARY PATRICK (RM) — RIG NO. 58
PROVINCE N.W.T. — CAMP X YES ☐ NO — RIG SAFETY DAYS 2734

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

RATE SCHEDULE — REGULAR — REPAIR X — INVERT
CREW SAFETY DAYS: 18
DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		SEAN WOLOSCH	12			SW
LEASE HAND		ALEX MILIC	12			AM

RATE SCHEDULE — REGULAR — REPAIR X — INVERT
CREW SAFETY DAYS: 2734
DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		JASON SMITH	4			JS
LEASE HAND		DAVID FRANKLIN	4			DF

RATE SCHEDULE — REGULAR — REPAIR X — INVERT
CREW SAFETY DAYS: 2734
DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

MORNING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.29	
1	MOTOR	121	7.76
1	FLOAT/RESTRICTOR	120	.66
1	M.W.D.	121	9.49
1	TRANSMITTER SUB	119	1.51
1	FLEX MONEL	121	9.49
1	FLEX MONEL	121	9.49
1	JAR	121	3.90
106	3.5 DRILL PIPE	121	1022.55
50	3.5in HWDP	121	459.21
1	X.O.	150	.40
15	H.W.D.P.	127	141.20
32	D.P. STANDS		918.77
	D.P. SINGLES		
	KELLY DOWN		-12.72
	TOTAL		2572.00
	WT. OF D.C.	50	
	WT. OF STRING	80	

BIT NO. 1 B; SIZE 156; IADC CODE; MANUFACTURER HUGHES; TYPE HCM404; SERIAL NO. 7002762; JETS 12.7 12.7 / 12.7 12.7; DEPTH OUT (m) 2572; DEPTH IN (m) 2567; TOTAL DRILLED (m) 5.00; TOTAL HRS RUN 1.75

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG 5 UP &DN; TORQUE AT BOTTOM 7300; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE Gel Chem — WATER BASED X — OIL BASED ☐

TIME	330
DENSITY (kg/m3)	1050
FUNNEL VISCOSITY	83
FLUID LOSS (cm3)	
pH	
PVT.m3	19.3

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC		
QPAC	10	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa: 10275

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127	80	152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	230	2.50	26	Clean Tanks, Shakers & Trough
230	445	2.25	3	Attempt to ream to bottom
445	545	1.00	5	Build Volume & Condition Mud
545	800	2.25	3	Attempt to ream to bottom

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # H-5 CLEAN MUD TANKS, H-34 CHANGE SHAKER SCREENS
TOPIC OF THE WEEK LOADER OPERATION

SPECIAL EVENT — TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
CLEAN TANKS		20009

DAY TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.29	
1	MOTOR	121	7.76
1	FLOAT/RESTRICTOR	120	.66
1	M.W.D.	121	9.49
1	TRANSMITTER SUB	119	1.51
1	FLEX MONEL	121	9.49
1	FLEX MONEL	121	9.49
1	JAR	121	3.90
106	3.5 DRILL PIPE	121	1022.55
50	3.5in HWDP	121	459.21
1	X.O.	150	.40
15	H.W.D.P.	127	141.20
33	D.P. STANDS		947.62
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2613.57
	WT. OF D.C.	50	
	WT. OF STRING	84	

BIT NO. 1 B; SIZE 156; IADC CODE; MANUFACTURER HUGHES; TYPE HCM404; SERIAL NO. 7002762; JETS 12.7 12.7 / 12.7 12.7; DEPTH OUT (m) 2613; DEPTH IN (m) 2567; TOTAL DRILLED (m) 46.00; TOTAL HRS RUN 8.0

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG 8up 10dn; TORQUE AT BOTTOM; FILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE — WATER BASED X — OIL BASED ☐

	800	1200	1600
TIME			
DENSITY (kg/m3)	1015	1030	1040
FUNNEL VISCOSITY	59	61	45
FLUID LOSS (cm3)			
pH	10.5	10	10.5
PVT	55.3	72.5	74.2

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	3	SX
GEL	40	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa: 8800

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127	80	152	

REDUCED PUMP SPEED: 3600 @ 45 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2569.72	53.3	
2579.26	57.6	326.9
2589.03	61.2	325.1

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2572	2613	D	90	8

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	1015	2.00	2	Drill f/2572m to 2584m
1015	1100	0.75	5	Work Pipe & Circ. Hole Clean Prior To Connection
1100	1115	0.25	10	Survey @ 2569.72m Inc.53.3 Az.magnetic interference from liner
1115	1215	1.00	2	Drill f/2584m to 2594m
1215	1230	0.25	10	Survey @ 2579.26.m Inc 57.6 Az.326.9
1230	1400	1.50	2	Drill f/2594m-2604m
1400	1415	0.25	10	Survey @ 2589m Inc.61.2 Az 325.1
1415	1600	1.75	2	Drill f/2604m to 2613m
1600				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-25 Loader Operation/G-2 Driving To & From Rig
Inspect Derrick,Greased Crown & Blocks

SPECIAL EVENT — TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Loader operation		19463

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.29	
1	MOTOR	121	7.76
1	FLOAT/RESTRICTOR	120	.66
1	M.W.D.	121	9.49
1	TRANSMITTER SUB	119	1.51
1	FLEX MONEL	121	9.49
1	FLEX MONEL	121	9.49
1	JAR	121	3.90
106	3.5 DRILL PIPE	121	1022.55
50	3.5in HWDP	121	459.21
1	X.O.	150	.40
15	H.W.D.P.	127	141.20
34	D.P. STANDS		976.32
	D.P. SINGLES		
	KELLY DOWN		-12.27
	TOTAL		2630.00
	WT. OF D.C.	50	
	WT. OF STRING	84	

BIT NO. 1 B; SIZE 156; IADC CODE; MANUFACTURER HUGHES; TYPE HCM404; SERIAL NO. 7002762; JETS 12.7 12.7 / 12.7 12.7; DEPTH OUT (m) 2630; DEPTH IN (m) 2567; TOTAL DRILLED (m) 63.00; TOTAL HRS RUN 11.5

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG 8 UP 10 DN; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE — WATER BASED X — OIL BASED ☐

	1800	2100	
TIME			
DENSITY (kg/m3)	1030	1070	
FUNNEL VISCOSITY	45	51	
FLUID LOSS (cm3)			
pH		10.5	
PVT	75.5	80.0	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX
QPAC	6	SX
LIGNITE	6	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa: 10200

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127	80	152	

REDUCED PUMP SPEED: 3600 @ 45 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2598.57	62.2	326.1
3608.11	63.0	324.2

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2613	2639	D	0	10

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1615	0.25	10	Survey @ 2598.57m Inc.62.2 Az.326.1
1615	1745	1.50	2	Drill f/2613m- 2620m
1745	1830	0.75	22	Work Tight Hole
1830	1915	0.75	2	Drill f/2620m to 2623.55m (sliding)
1915	1930	0.25	21	Pre-Tour Safety Meeting
1930	1945	0.25	10	Survey @ 2608.11m
1945	2100	1.25	2	Drill f/ 2623.55m to 2630m (sliding
2100	2400	3.00	22	Work Tight Hole

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-6 FUEL CREW TRUCK, I-4 MIXING MUD PRPDUCTS

SPECIAL EVENT — TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
MIXING MUD		19463

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	QPR	R.M.

YEAR 2005 | MONTH 9 | DAY 26
RIG NO. 58
FUEL @ 08:00 HRS
RIG: 141 | BOILER:
TEMPERATURE: 10
CURRENT CONDITIONS: Cloudy
WIND DIRECTION: N.W.
ROAD CONDITION: SLIPPERY

WEATHER	DC/ DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
		127	74.35	HWDP			4.5IF	17

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	2005/08/12
TIME	00:15
RIG RELEASE	
TIME	
WELL TYPE	DIR.
RE-ENTRY	YES
OPERATOR'S AFE	
KELLY BSHG	6.8
OP FUEL	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20050926_1B
VENDOR SOFTWARE VERSION	EDR 3-1-4 HF2 ETS 2.2

PASON

TIME BREAKDOWN

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 ream	23	24	25	26 clean tanks
MORN					1.0																	4.5				2.5
DAY																										
EVE																										
TOTAL					1.00																	4.50				2.50

TOTALS	SHALE SHAKER(S)	
8.00	NO. 2	TYPE Derrick FLC
	SCREENS CHANGED	YES
	NEW/ USED	NEW
110	TOP	110
140	MIDDLE	140
140	BOTTOM	140

RENTALS / SERVICES	MORN	DAY	EVE
TOTAL MJ	20	313	
ACCUM MJ	122	482	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	1		
TOTAL TOP DRIVE HRS	162		

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	29
1	MOTOR	121	7.76
1	FLOAT/RESTRICTOR	120	.66
1	M.W.D.	121	9.49
1	TRANSMITTER SUB	119	1.51
1	FLEX MONEL	121	9.49
1	FLEX MONEL	121	9.49
1	JAR	121	3.90
106	3.5 DRILL PIPE	121	1022.55
50	3.5in HWDP	121	459.21
1	X.O.	150	.40
15	H.W.D.P.	127	141.20
32	D.P.	STANDS	918.77
	D.P.	SINGLES	
	KELLY DOWN		-12.72
	TOTAL		2572.00
	WT. OF D.C.	50	
	WT. OF STRING	80	

BIT RECORD

BIT NO.	1 B
SIZE	156
IADC CODE	
MANUFACTURER	HUGHES
TYPE	HCM404
SERIAL NO.	7002762
JETS	12.7 12.7 12.7
DEPTH OUT (m)	2572
DEPTH IN (m)	2567
TOTAL DRILLED (m)	5.00
TOTAL HRS RUN	1.75

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5 UP &DN
TORQUE AT BOTTOM	7300
FILL ON BOTTOM (m)	

MORNING TOUR

MUD RECORD

MUD TYPE		WATER BASED	OIL BASED X
TIME	330		
DENSITY (kg/m3)	1050		
FUNNEL VISCOSITY	83		
FLUID LOSS (cm3)			
pH			
PVT,m3	19.3		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC		
QPAC	10	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
10275	127	80	152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	230	2.50	26	Clean Tanks, Shakers & Trough
230	445	2.25	22	Attempt To Ream To Bottom
445	545	1.00	5	Build Volume & Condition Mud
545	800	2.25	22	Attempt To Ream To Bottom

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # H-5 CLEAN MUD TANKS, H-34 CHANGE SHAKER SCREENS
TOPIC OF THE WEEK LOADER OPERATION

SPECIAL EVENT		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH		CLEAN TANKS		20009

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
18	KEVIN VANDENBRAND
	SHAWN WATSON

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

DAY TOUR

MUD RECORD

MUD TYPE		WATER BASED	OIL BASED
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH				

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2734	

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	INJURIES NO
DRILLER		ALLAN LICKOCH				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		VIRGIL NANAQUAWETUNG				
MOTOR HAND		DERWIN KOTCHEA				
FLOOR HAND		MOISE PUNCH				
FLOOR HAND		SEAN WOLOSCH				
LEASE HAND		ALEX MILIC				

EVENING TOUR

MUD RECORD

MUD TYPE		WATER BASED	OIL BASED
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	127		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH				

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2734	KEVIN VANDENBRAND
	SHAWN WATSON

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

DRILLING CREW PAYROLL DATA

WELL NAME & NO.		YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A		2005	9	26
OPERATOR	CONTRACTOR NAME			
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.			
RIG MANAGER		RIG NO.		
GARY PATRICK (RM)		58		
PROVINCE	CAMP X YES NO	RIG SAFETY DAYS		
N.W.T.		2734		

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

QPR	R.M.
	GP
	GP
	GP
	GP
	GP
	GP
	GP

YEAR 2005 | MONTH 9 | DAY 25
RIG NO. 58
FUEL @ 08:00 HRS
RIG 159 | BOILER

WEATHER
TEMPERATURE -10
CURRENT CONDITIONS Cloudy
WIND DIRECTION N.W.
ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE:	2005/08/12	TIME:	00:15
RIG RELEASE:		TIME:	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20050925_1C		
VENDOR SOFTWARE VERSION	EDR 3-1-4 .HF2 ETS 2.2		

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	PLUG BACK	17 SQUEEZE CEMENT	18 FISHING	19 DIR. WORK	20 SAFETY MEETING	21 Drill Cement	22 Isaydown pipe	23 H2s Drill	24	25	26
MORN						0.25														3.0			4.75				
DAY						1.5	0.25								1.0						0.25		4.75	0.25			
EVE		1.75			3.0																0.25	2.0		0.25	0.75		
TOTAL		1.75			3.00	1.75	0.25								1.00					3.0	0.50	2.00	9.50	0.50	0.75		

TOTALS	HRS
MORN	8.00
DAY	8.00
EVE	8.00
TOTAL	24.00

SHALE SHAKER(S)

NO.	TYPE	
2	Derrick FLC	Derrick FLC
SCREENS CHANGED	NO	NEW? USED
TOP	175	175
MIDDLE	175	175
BOTTOM	175	210

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	20	313	
ACCUM MJ	122	482	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	1		
TOTAL TOP DRIVE HRS	162		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	25
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER: GARY PATRICK (RM)	RIG NO. 58		
PROVINCE: N.W.T.	CAMP: X YES ☐ NO	RIG SAFETY DAYS: 2733	

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.76
1	FLOAT/RESTRICTOR	120	.66
1	M.W.D.	121	9.49
1	TRANSMITTER SUB	119	1.51
1	FLEX MONEL	121	9.49
1	FLEX MONEL	121	9.49
1	JAR	121	3.90
105	3.5 DRILL PIPE	121	1012.79
50	3.5in HWDP	121	
1	X.O.		.40
15	H.W.D.P.	127	141.20
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		1196.98
	WT. OF D.C.		
	WT. OF STRING		73

BIT RECORD

BIT NO.	RR 4A		
SIZE	216	156	
IADC CODE	5 1 7		
MANUFACTURER	HUGHES	HUGHES	
TYPE	MX-S20GDX	HCM404	
SERIAL NO.	6034568	7002762	
JETS	open	open	12.7 12.7
	open		12.7 12.7
DEPTH OUT (m)	1743.9		
DEPTH IN (m)	1743.9	2569	
TOTAL DRILLED (m)	0.00		
TOTAL HRS RUN	0		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED X

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			
PVT.m3			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP.		

CIRCULATION PRESSURE kPa

	PUMP NO. 1	PUMP NO. 2
LINER SIZE	152	152
SPM		

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	145	1.75	23	Laydown Drill Pipe w/ Laydown Truck
145	200	0.25	6	Rack Back 5 stds HWDP In Derrick
200	315	1.25	23	Laydown Spiral HWDP w/ Laydown Truck
315	615	3.00	20	Pick Up Directional Tools - Scrib Motor, Make Up Bit
615	645	0.50	23	Rig Up Laydown Truck To Pick Up Drill Pipe
645	800	1.25	23	Pick Up 89mm Drill Pipe w/ Laydown Truck
800				
				Trip Record cal. = 12.77m3
				meas.= 13.28m3
				diff. = .51m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-20 MAKE UP DIRECTIONAL TOOLS

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: LAYDOWN PIPE | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 17

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

MORNING TOUR FROM 0 TO 800					
CREW	SOC INS. NO.	NAME	HRS	YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND	8		KV
DERRICK HAND		SHAWN WATSON	8		SW
MOTOR HAND		GREG ST.ARNAUD	8		GS
FLOOR HAND		JUSTIN MILLER	8		JM
FLOOR HAND		JASON SMITH	8		JS
LEASE HAND		DAVID FRANKLIN	8		DF

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.76
1	FLOAT/RESTRICTOR	120	.66
1	M.W.D.	121	9.49
1	TRANSMITTER SUB	119	1.51
1	FLEX MONEL	121	9.49
1	FLEX MONEL	121	9.49
1	JAR	121	3.90
106	3.5 DRILL PIPE	121	1022.55
50	3.5in HWDP	121	459.21
1	X.O.	150	.40
15	H.W.D.P.	127	141.20
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		1665.95
	WT. OF D.C.	50	
	WT. OF STRING	80	

BIT RECORD

BIT NO.	1 B		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	HCM404		
SERIAL NO.	7002762		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)			
DEPTH IN (m)	2569		
TOTAL DRILLED (m)			
TOTAL HRS RUN			

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED ☐

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
SODA ASH	3	SX
BARITE	4	SX
GEL	80	SX
KELZAN XCD	2	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP.		

CIRCULATION PRESSURE kPa

	PUMP NO. 1	PUMP NO. 2
LINER SIZE	152	152
SPM		

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	1300	4.75	23	Pick Up 106jts.89mm D.P.& 50jts 89mm HWDP
1300	1315	0.25	7	Rig Service/Function Top Pipe Rams 8sec. c/s
1315	1330	0.25	24	Held H2s Drill - Well Secure In 70sec.
1330	1500	1.50	6	Run In Hole to 2401.9m (taged cement)
1500	1600	1.00	15	Pressure Test Casing 7000 kaP For 10 min.

NOTES: Check Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-29 Pick Up Drill Pipe with Laydown Truck
D-46 Change Out Washpipe In Swivel

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: P/U Pipe | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2733

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

DAY TOUR FROM 800 TO 1600					
CREW	SOC INS. NO.	NAME	HRS	YES	INJURIES NO
DRILLER		ALLAN LICKOCH	12		AL
ASSIST DRILLER		KEVIN LAUCK	12		KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12		VN
MOTOR HAND		DERWIN KOTCHEA	12		DK
FLOOR HAND		MOISE PUNCH	12		MP
FLOOR HAND		SEAN WOLOSCH	12		SW
LEASE HAND		ALEX MILIC	12		AM

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	121	7.76
1	FLOAT/RESTRICTOR	120	.66
1	M.W.D.	121	9.49
1	TRANSMITTER SUB	119	1.51
1	FLEX MONEL	121	9.49
1	FLEX MONEL	121	9.49
1	JAR	121	3.90
106	3.5 DRILL PIPE	121	1022.55
50	3.5in HWDP	121	459.21
1	X.O.	150	.40
15	H.W.D.P.	127	141.20
31	D.P. STANDS		890.69
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2556.64
	WT. OF D.C.	50	
	WT. OF STRING	80	

BIT RECORD

BIT NO.	1 B		
SIZE	156		
IADC CODE			
MANUFACTURER	HUGHES		
TYPE	HCM404		
SERIAL NO.	7002762		
JETS	12.7	12.7	
	12.7	12.7	
DEPTH OUT (m)	2572		
DEPTH IN (m)	2567		
TOTAL DRILLED (m)	5.00		
TOTAL HRS RUN	1.75		

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED X

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			
PVT.m3			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP.		

CIRCULATION PRESSURE kPa

	PUMP NO. 1	PUMP NO. 2
LINER SIZE	127	152
SPM	75	
	9500	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2567	2572	D	0	8

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1730	1.50	5	Wash & Circulate Down to 2516m
1730	1800	0.50	22	Drill Cement Stringers f/2516m to 2542m
1800	1900	1.00	22	Drill Out Float f/2552m to 2553m
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	1945	0.50	22	Drill Cement & Shoe to 2567
1945	2130	1.75	2	Drill f 2567m to 2572m (sliding)
2130	2145	0.25	24	H2S Drill Well Secure In 60 sec.
2145	2230	0.75	25	Integrity Test
2230	2400	1.50	5	Pump 8m3 High Vis Sweep & Displace Hole To Gel Chem.

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-24 CIRCULATING, G-25 LOADER OPERATION

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: H2S DRILL | MEHL | MACP 21016

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2733

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

EVENING TOUR FROM 1600 TO 2400					
CREW	SOC INS. NO.	NAME	HRS	YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND	4		KV
DERRICK HAND		SHAWN WATSON	4		SW
MOTOR HAND		GREG ST.ARNAUD	4		GS
FLOOR HAND		JUSTIN MILLER	4		JM
FLOOR HAND		JASON SMITH	4		JS
LEASE HAND		DAVID FRANKLIN	4		DF

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 MONTH 9 DAY 25
RIG NO. 58
FUEL @ 08:00 HRS
RIG 159 BOILER

WEATHER: TEMPERATURE 10 | CURRENT CONDITIONS Cloudy | WIND DIRECTION N.W. | ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20050925_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIME SHEET HOURS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23 laydown pipe	24	25	26
MORN						0.25														3.0			4.75			
DAY																										
EVE																										
TOTAL						0.25														3.00			4.75			

TOTALS	
	8.00
	8.00

SHALE SHAKER(S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC
SCREENS CHANGED	NO	NEW USED
TOP	175	175
MIDDLE	175	175
BOTTOM	175	210

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	17	719	
ACCUM MJ	119	887	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	4.75		
TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	25
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER: GARY PATRICK (RM)		RIG NO.	58
PROVINCE: N.W.T.	CAMP: X YES / NO	RIG SAFETY DAYS	2733

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.29
1	MOTOR	121	7.76
1	FLOAT/RESTRICTOR	120	.66
1	M.W.D.	121	9.49
1	TRANSMITTER SUB	119	1.51
1	FLEX MONEL	121	9.49
1	FLEX MONEL	121	9.49
1	JAR	121	3.90
105	3.5 DRILL PIPE	121	1012.79
50	3.5in HWDP	121	
1	X.O.		.40
15	H.W.D.P.	127	141.20
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		1196.98
	WT. OF D.C.		
	WT. OF STRING		73

BIT RECORD

BIT NO.	RR 4A			
SIZE	216		156	
IADC CODE	5	1	7	
MANUFACTURER	HUGHES		HUGHES	
TYPE	MX-S20GDX		HCM404	
SERIAL NO.	6034568		7002762	
JETS	open	open	12.7	12.7
	open		12.7	12.7
DEPTH OUT (m)	1743.9			
DEPTH IN (m)	1743.9		2569	
TOTAL DRILLED (m)	0.00			
TOTAL HRS RUN	0			

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	
PVT,m3	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	145	1.75	23	Laydown Drill Pipe w/ Laydown Truck
145	200	0.25	6	Rack Back 5 stds HWDP In Derrick
200	315	1.25	23	Laydown Spiral HWDP w/ Laydown Truck
315	615	3.00	20	Pick Up Directional Tools - Scrib Motor, Make Up Bit
615	645	0.50	23	Rig Up Laydown Truck To Pick Up Drill Pipe
645	800	1.25	23	Pick Up 89mm Drill Pipe w/ Laydown Truck
800				
				Trip Record cal. = 12.77m3
				mea.= 13.28m3
				diff. = .51m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-20 MAKE UP DIRECTIONAL TOOLS

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		LAYDOWN PIPE		

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
17	KEVIN VANDENBRAND
	SHAWN WATSON

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2733	ALLAN LICKOCH
	VIRGIL NANAQUAWETUNG

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	INJURIES NO
DRILLER		ALLAN LICKOCH				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		VIRGIL NANAQUAWETUNG				
MOTOR HAND		DERWIN KOTCHEA				
FLOOR HAND		MOISE PUNCH				
FLOOR HAND		SEAN WOLOSCH				
LEASE HAND		ALEX MILIC				

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2733	KEVIN VANDENBRAND
	SHAWN WATSON

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
AL IRONSIDE	GARY PATRICK (RM)

DAILY CHECKS

	QPR	R.M.
(1) Daily Walk Around Inspection	AI	GP
(2) Detailed Inspection - Weekly (Using Check List)	AI	GP
(3) H2S Signs Posted if Required	AI	GP
(4) Well Licence & Stick Diagram Posted	AI	GP
(5) Flare Lines Staked	AI	GP
(6) BOP Drills Performed		
(7) Visually Inspect BOPs- Flare Lines & Degasser Lines	AI	GP
(1) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2) CAODC Rig Safet Inspection Checklist (one/rig/month)		GP
(3) Mast Inspection before Raising or Lowering		GP
(4) Crown Saver Checked		
(5) Motor Kills Checked		GP

YEAR 2005 MONTH 9 DAY 24
RIG NO 58
FUEL @ 08:00 HRS
RIG 176 BOILER

WEATHER
TEMPERATURE 9
CURRENT CONDITIONS Cloudy
WIND DIRECTION S.E.
ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/08/12	TIME	00:15
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20050924_1G		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 pipe rams	23 laydown truck	24	25	26
MORN						2.5									4.0							1.5				
DAY						2.75	0.25								4.75						0.25					
EVE					1.5	3.0															0.25		3.25			
TOTAL					1.50	8.25	0.25								8.75						0.50	1.50	3.25			

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN.	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC; TYPE Derrick FLC	TOTAL MJ	17	719	
8.00	SCREENS CHANGED NO; NEW/ USED	ACCUM MJ	119	887	
8.00	175 TOP 175 TOP	ACCUM OIL LEVEL	.32		
8.00	175 MIDDLE 175 MIDDLE	TOP DRIVE HRS	4.75		
24.00	175 BOTTOM 210 BOTTOM	TOTAL TOP DRIVE HRS	161		

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
63	177.8mm Casing		819.57
1	Hanger		4.07
1	Running Tool		2.49
13	SPIRAL HWDP	160	120.55
17	H.W.D.P.	127	159.86
2	PUP JOINT	127	7.64
50	D.P. STANDS		
2	D.P. SINGLES		1456.35
	KELLY DOWN		
	TOTAL		2570.53
	WT. OF D.C.		
	WT. OF STRING	80	

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: Ti | To | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE	WATER BASED ☐ OIL BASED X
TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	
PVT.m3	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2; HRS RUN 0 | HRS RUN 0; BOILER pH; STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

152 | | 152 |

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	230	2.50	6	Trip Out Of Hole - Flow Check @ (50 stds), Out Of Hole
230	400	1.50	22	Change Top Pipe Rams TO Variables
400	800	4.00	15	Rig Up To & Pressure Test B.O.P.
800				Test Top Pipe Rams Upper & Lower Kill Line & Choke Line Valves, Stabbing Valve
				Inside BOP, Check Valves, Lower Kelly Cock, Bottom Pipe Rams
				1400 kPa Low 35000 High 10 min Each, Annular 17500 kPa High
				Trip Record cal. = 8.47m3
				meas = 8.97m3
				diff. = .50m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # M-3 PRESSURE TEST B.O.P WITH TRUCK, H-5 CLEAN MUD TANKS

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

PRESSURE TESTING | 10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 16 | DRIVERS

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	170	.24
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
13	SPIRAL HWDP	160	120.55
17	H.W.D.P.	127	159.86
51	D.P. STANDS		1465.96
	D.P. SINGLES		
	KELLY DOWN		-5.07
	TOTAL		1743.88
	WT. OF D.C.		
	WT. OF STRING	73	

BIT RECORD

BIT NO.	RR 4A
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S20GDX
SERIAL NO.	6034568
JETS	open open open
DEPTH OUT (m)	
DEPTH IN (m)	1743
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: Ti | To | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE	WATER BASED ☐ OIL BASED X
TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2; HRS RUN 0 | HRS RUN 0; BOILER pH; STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

152 | | 152 |

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	845	0.50	15	Accumulator Function Test
845	1130	2.75	15	Wait For Pressure Testing Cup Tool
1130	1300	1.50	15	Test Blind Rams 1400 Kpa Low / 35000 Kpa High 10min. Each
1300	1315	0.25	7	Rig Service/Function Blind Rams 6sec. c/s
1315	1600	2.75	6	Trip In Hole 216mm Bit to 1428m (strap in hole)
				Pason Tally @ 51 stds. = 1748.95m
				Measured Strap @ 51 stds. = 1748.36m
				Difference = 0.59m

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA H-5 Confined Space Entry For Cleaning Mud Tanks
D-6 Trip In Hole with Top Drive

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

Pressure Test

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2732 | DRIVERS

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		SEAN WOLOSCH	12			SW
LEASE HAND		ALEX MILIC	12			AM

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	170	.24
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
13	SPIRAL HWDP	160	120.55
17	H.W.D.P.	127	159.86
51	D.P. STANDS		1465.96
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		1748.95
	WT. OF D.C.		
	WT. OF STRING	73	

BIT RECORD

BIT NO.	RR 4A
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S20GDX
SERIAL NO.	6034568
JETS	open open open
DEPTH OUT (m)	1743.9
DEPTH IN (m)	1743.9
TOTAL DRILLED (m)	0.00
TOTAL HRS RUN	0

CUTTING STRUCTURE: Ti | To | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE	WATER BASED ☐ OIL BASED X
TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	
PVT.m3	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2; HRS RUN 0 | HRS RUN 0; BOILER pH; STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1743.9				

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

152 | | 152 |

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1700	1.00	6	Trip In Hole f/1428m to 1743.9m (Tag Liner Top)
1700	1830	1.50	5	Circulate Invert Out Of Hole
1830	1945	1.25	6	Trip Out Rack 35 stds. Of E2 D.P. In Derrick
1945	2030	0.75	6	Run 29 stds. Of E3 D.P. In Hole.
2030	2045	0.25	21	Safety Meeting w/ Laydown Operators
2045	2400	3.25	23	Rig Up Laydown Truck & Laydown 1700m Drill Pipe

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-27 RIG UP LAYDOWN TRUCK, G-30 LAYDOWN PIPE w/ LAYDOWN TRUCK

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

LAYDOWN PIPE

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2732 | DRIVERS

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		JASON SMITH	4			JS
LEASE HAND		DAVID FRANKLIN	4			DF

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	24
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER: GARY PATRICK (RM)	RIG NO. 58		
PROVINCE: N.W.T.	CAMP X YES ☐ NO	RIG SAFETY DAYS 2732	

MORNING TOUR — FROM 0 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 16 | DRIVERS

DAY TOUR — FROM 800 TO 1600 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		SEAN WOLOSCH	12			SW
LEASE HAND		ALEX MILIC	12			AM

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2732 | DRIVERS

EVENING TOUR — FROM 1600 TO 2400 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		JASON SMITH	4			JS
LEASE HAND		DAVID FRANKLIN	4			DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2732 | DRIVERS

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checkurt

OPR	R.M.
	GP
	GP
	GP
	GP
	GP
	GP
	GP

YEAR 2005 MONTH 9 DAY 24
RIG NO 58
FUEL @ 08:00 HRS
RIG 176 BOILER

TEMPERATURE 9
CURRENT CONDITIONS Cloudy
WIND DIRECTION S.E.
ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE DIR.	RE-ENTRY YES
OPERATOR'S A/E	
KELLY BSHG 6.8	OP FUEL
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20050924_1D
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

CODE NO. 1 RIGUP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OFF DRILL LINE | 10 DEV SURVEY | 11 WIRELINE LOGS | 12 RUN CSG & CEMENT | 13 WAIT ON CEMENT | 14 NIPPLE UP B.O.P. | 15 TEST B.O.P. | 16 DRILLSTEM TEST | 17 PLUG BACK | 18 SQUEEZE CEMENT | 19 FISHING | 20 DIR. WORK | 21 SAFETY MEETING | 22 pipe rams | 23 | 24 | 25 | 26

TIME HRS	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING	pipe rams				
MORN						2.5									4.0							1.5				
DAY																										
EVE																										
TOTAL						2.50									4.00							1.50				

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC / TYPE Derrick FLC	TOTAL MJ	12	500	
	SCREENS CHANGED / NEW USED	ACCUM MJ	114	669	
	TOP 175 / TOP 175	ACCUM OIL LEVEL	.32		
	MIDDLE 175 / MIDDLE 175	TOP DRIVE HRS	4.75		
8.00	BOTTOM 175 / BOTTOM 210	TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	24

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
GARY PATRICK (RM)	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2732

MORNING TOUR

FROM 0 TO 800

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
63	177.8mm Casing		819.57
1	Hanger		4.07
1	Running Tool		2.49
13	SPIRAL HWDP	160	120.55
17	H.W.D.P.	127	159.86
2	PUP JOINT	127	7.64
50	D.P.	STANDS	
2	D.P.	SINGLES	1456.35
	KELLY DOWN		
	TOTAL		2570.53
	WT. OF D.C.		
	WT. OF STRING		80

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: Ti | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MORNING TOUR — MUD TYPE | WATER BASED | OIL BASED X | TIME | DENSITY (kg/m3) | FUNNEL viSCOSITY | FLUID LOSS (cm3) | pH | PVT.m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM

REDUCED PUMP SPEED @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	230	2.50	6	Trip Out Of Hole - Flow Check @ (50 stds), Out Of Hole
230	400	1.50	22	Change Top Pipe Rams TO Variables
400	800	4.00	15	Rig Up To & Pressure Test B.O.P.
800				Test Top Pipe Rams Upper & Lower Kill Line & Choke Line Valves, Stabbing Valve
				Inside BOP, Check Valves, Lower Kelly Cock, Bottom Pipe Rams
				1400 kPa Low 35000 High 10 min Each, Annular 17500 kPa High
				Trip Record cal. = 8.47m3
				mea = 8.97m3
				diff. = .50m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # M-3 PRESSURE TEST B.O.P WITH TRUCK

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP
PRESSURE TESTING 10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 16 | DRIVERS

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND	8		KV
DERRICK HAND		SHAWN WATSON	8		SW
MOTOR HAND		GREG ST.ARNAUD	8		GS
FLOOR HAND		JUSTIN MILLER	8		JM
FLOOR HAND		JASON SMITH	8		JS
LEASE HAND		DAVID FRANKLIN	8		DF

INJURIES

DAY TOUR

FROM 800 TO 1600

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	D.P.	STANDS	
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: Ti | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

DAY TOUR — MUD TYPE | WATER BASED | OIL BASED | TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM

REDUCED PUMP SPEED @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2732 | DRIVERS

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ALLAN LICKOCH			
ASSIST DRILLER		KEVIN LAUCK			
DERRICK HAND		VIRGIL NANAQUAWETUNG			
MOTOR HAND		DERWIN KOTCHEA			
FLOOR HAND		MOISE PUNCH			
FLOOR HAND		SEAN WOLOSCH			
LEASE HAND		ALEX MILIC			

INJURIES

EVENING TOUR

FROM 1600 TO 2400

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	D.P.	STANDS	
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: Ti | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

EVENING TOUR — MUD TYPE | WATER BASED | OIL BASED | TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM

REDUCED PUMP SPEED @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2732 | DRIVERS

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND			
DERRICK HAND		SHAWN WATSON			
MOTOR HAND		GREG ST.ARNAUD			
FLOOR HAND		JUSTIN MILLER			
FLOOR HAND		JASON SMITH			
LEASE HAND		DAVID FRANKLIN			

INJURIES

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
AL IRONSIDE	GARY PATRICK (RM)

DAILY CHECKS

	AM	PM
(1) Daily Walk Around Inspection	AM	GP
(2) Detailed Inspection - Weekly (Using Check List)	AM	GP
(3) H2S Signs Posted if Required	AM	GP
(4) Well Licence & Stick Diagram Posted	AM	GP
(5) Flare Lines Staked		
(6) BOP Drills Performed	AM	GP
(7) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3) Mest Inspection before Raising or Lowering		GP
(4) Crown Saver Checked		
(5) Motor Kills Checked		GP

YEAR 2005 | MONTH 9 | DAY 23

RIG NO 58 | FUEL @ 08:00 HRS

RIG 97 | BOILER

WEATHER: TEMPERATURE 0 | CURRENT CONDITIONS Cloudy | WIND DIRECTION N.W. | ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE DIR.	RE-ENTRY YES
OPERATOR'S AFE	
KELLY BSHG 6.8	OP FUEL
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20050923_1G
VENDOR SOFTWARE VERSION	EDR 3-1-4 HF2 ETS 2.2

CAODC

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
TIME - HRS MORN												8.0														
DAY					2.75	4.75						0.25									0.25					
EVE					3.25	1.5						2.75									0.5					
TOTAL					6.00	6.25						11.00									0.75					

SHALE SHAKER(S)				RENTALS / SERVICES	MORN.	DAY	EVE.
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	12	500	
SCREENS CHANGED	NO	NEW/ USED		ACCUM MJ	114	669	
TOP 175		TOP 175		ACCUM OIL LEVEL	.32		
MIDDLE 175		MIDDLE 175		TOP DRIVE HRS	4.75		
BOTTOM 175		BOTTOM 210		TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	23

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
GARY PATRICK (RM)	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2731

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
1	BIT		.24
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
10	SPIRAL HWDP	160	92.53
1	X/O SUB	156	.44
1	JAR	167	5.20
1	X/O SUB	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
60	D.P. STANDS		2293.64
	D.P. SINGLES		
KELLY DOWN			-16.77
TOTAL			2566.00
WT. OF D.C.	12		
WT. OF STRING	88		

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH | PVT.m3

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	145	1.75	12	Rig up Laydown Truck & Power Tongs
145	800	6.25	12	Run 177.8mm Liner
800				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # D-27 RIG UP POWER TONGS, G-35 RUN CASING w/LAYDOWN TRUCK

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		Run Casing		10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 15

DRIVERS

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
63	177.8mm Casing		819.57
1	Hanger		4.07
1	Running Tool		2.49
13	SPIRAL HWDP	160	120.55
17	H.W.D.P.	127	159.86
51	D.P. STANDS		1465.96
	D.P. SINGLES		
KELLY DOWN			-4.5
TOTAL			2568.00
WT. OF D.C.			
WT. OF STRING	80		

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2568				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Safety Meeting Prior to Running 177.8mm Liner
815	830	0.25	12	Run 177.8mm Liner
830	915	0.75	5	Circulate liner, rig out laydown & power tongs,thread cops
915	1400	4.75	6	Run In Hole w/177.8mm Liner to 2562m
1400	1600	2.00	5	Wash Down f/2562m to Bottom (Circ. & Condition Mud)
1600				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA G-35 Run Casing With Laydown Truck & Pipe In Derrick

D-27 Rig Up & Rig Out Power Tongs/D-9 Operate Air Dog Collar

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		Run Casing		10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2731

DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	INJURIES NO
DRILLER		ALLAN LICKOCH	12			AL
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		SEAN WOLOSCH	12			SW
LEASE HAND		ALEX MILIC	12			AM

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
63	177.8mm Casing		819.57
1	Hanger		4.07
1	Running Tool		2.49
13	SPIRAL HWDP	160	120.55
17	H.W.D.P.	127	159.86
2	PUP JOINT	127	7.64
50	D.P. STANDS		
2	D.P. SINGLES		1456.35
KELLY DOWN			
TOTAL			2570.53
WT. OF D.C.			
WT. OF STRING	80		

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH | PVT.m3

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2568				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1730	1.50	5	CONDITION MUD & CIRC. 177.8mm Liner
1730	1745	0.25	21	SAFETY MEETING with Cementers
1745	1845	1.00	12	Set Liner Hanger
1845	1900	0.25	12	Cement Liner
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2015	1.00	12	Cement Liner
2015	2045	0.50	12	Rig Out Cementers
2045	2130	0.75	6	Pull 10 Stands
2130	2315	1.75	5	Displace Hole To Water
2315	2400	0.75	6	Trip Out Of Hole - Flow Check
2400				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # G-20 CEMENT CASING, G-21 PRESSURE TEST CEMENT LINES

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		CEMENT CASING		10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2731

DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	INJURIES NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		JASON SMITH	4			JS
LEASE HAND		DAVID FRANKLIN	4			DF

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	N.M.
(1.) Daily Walk Around Inspection		GP
(2.) Detailed Inspection - Weekly (Using Check List)		GP
(3.) H2S Signs Posted if Required		GP
(4.) Well Licence & Stick Diagram Posted		GP
(5.) Flare Lines Staked		GP
(6.) BOP Drills Performed		GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		GP
(1.) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		GP
(3.) Mast Inspection before Raising or Lowering		GP
(4.) Crown Saver Checked		GP
(5.) Motor Kills Checked		GP

YEAR 2005 | MONTH 9 | DAY 23
RIG NO. 58
RIG 97 | BOILER
FUEL @ 08:00 HRS

WEATHER
TEMPERATURE 0
CURRENT CONDITIONS Cloudy
WIND DIRECTION N.W.
ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20050923_1C		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIME SHEET HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN												8.0														
DAY					2.75	4.75						0.25									0.25					
EVE					1.5							1.25									0.5					
TOTAL					4.25	4.75						9.50									0.75					

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC / TYPE Derrick FLC	TOTAL MJ	10	187	
8.00	SCREENS CHANGED / NEW USED	ACCUM MJ	112	356	
3.25	175 TOP 175 TOP	ACCUM OIL LEVEL	.32		
19.25	175 MIDDLE 175 MIDDLE	TOP DRIVE HRS	4.75		
	175 BOTTOM 210 BOTTOM	TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	23
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER: GARY PATRICK (RM)		RIG NO. 58	
PROVINCE: N.W.T.	CAMP X YES ☐ NO	RIG SAFETY DAYS 2731	

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 15

DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		SEAN WOLOSCH	12			SW
LEASE HAND		ALEX MILIC	12			AM

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2731

DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		JASON SMITH	4			JS
LEASE HAND		DAVID FRANKLIN	4			DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2731

DRIVERS

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.24
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
10	SPIRAL HWDP	160	92.53
1	X/O SUB	156	.44
1	JAR	167	5.20
1	X/O SUB	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
60	D.P. STANDS		2293.64
	D.P. SINGLES		
	KELLY DOWN		-16.77
	TOTAL		2566.00
	WT. OF D.C.	12	
	WT. OF STRING	88	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED X
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH | PVT.m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE / SPM | PUMP NO. 2 LINER SIZE / SPM: 152 | 152

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION — 0

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	145	1.75	12	Rig up Laydown Truck & Power Tongs
145	800	6.25	12	Run 177.8mm Liner
800				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-27 RIG UP POWER TONGS, G-35 RUN CASING w/LAYDOWN TRUCK

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Run Casing		10848

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
63	177.8mm Casing		819.57
1	Hanger		4.07
1	Running Tool		2.49
13	SPIRAL HWDP	160	120.55
17	H.W.D.P.	127	159.86
51	D.P. STANDS		1465.96
	D.P. SINGLES		
	KELLY DOWN		-4.5
	TOTAL		2568.00
	WT. OF D.C.		
	WT. OF STRING	80	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED X
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE / SPM | PUMP NO. 2 LINER SIZE / SPM: 152 | 152

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2568				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Safety Meeting Prior to Running 177.8mm Liner
815	830	0.25	12	Run 177.8mm Liner
830	915	0.75	5	Circulate liner, rig out laydown & power tongs,thread cops
915	1400	4.75	6	Run In Hole w/177.8mm Liner to 2562m
1400	1600	2.00	5	Wash Down f/2562m to Bottom (Circ. & Condition Mud)
1600				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-35 Run Casing With Laydown Truck & Pipe In Derrick
D-27 Rig Up & Rig Out Power Tongs/D-9 Operate Air Dog Collar

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Run Casing		10848

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
63	177.8mm Casing		819.57
1	Hanger		4.07
1	Running Tool		2.49
13	SPIRAL HWDP	160	120.55
17	H.W.D.P.	127	159.86
2	PUP JOINT	127	7.64
50	D.P. STANDS		1456.35
2	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2570.53
	WT. OF D.C.		
	WT. OF STRING	80	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE / SPM | PUMP NO. 2 LINER SIZE / SPM: 152 | 152

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2568				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1730	1.50	5	CONDITION MUD & CIRC. 177.8mm Liner
1730	1745	0.25	21	SAFETY MEETING with Cementers
1745	1845	1.00	12	Set Liner Hanger
1845	1900	0.25	12	Cement Liner
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915			12	Cement Liner

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-20 CEMENT CASING, G-21 PRESSURE TEST CEMENT LINES

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
CEMENT CASING		10848

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (DPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/qtr/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kits Checked

YEAR 2005 | MONTH 9 | DAY 23
RIG NO. 58
FUEL @ 08:00 HRS
RIG 97 | BOILER

WEATHER
TEMPERATURE 4
CURRENT CONDITIONS Cloudy
WIND DIRECTION N.W.
ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE: | TIME:
RIG RELEASE: | TIME:
WELL TYPE: DIR. | RE-ENTRY: YES
OPERATOR'S AFE:
KELLY BSHG: 6.8 | OP FUEL:
CONTRACTOR'S JOB NUM: 05-21883
TOUR SHEET SERIAL NUM: AKTA58_20050923_1B
VENDOR SOFTWARE VERSION: EDR 3-1-4 HF2 ETS 2.2

CAODC

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN												8.0														8.00
DAY																										
EVE																										8.00
TOTAL												8.00														

SHALE SHAKER(S)
NO. 2 | TYPE Derrick FLC | TYPE Derrick FLC
SCREENS CHANGED | NEW/USED
TOP 175 | TOP 175
MIDDLE 175 | MIDDLE 175
BOTTOM 175 | BOTTOM 210

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	10	187	
ACCUM MJ	112	356	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	4.75		
TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 23
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER GARY PATRICK (RM) | RIG NO. 58
PROVINCE N.W.T. | CAMP X YES ☐ NO | RIG SAFETY DAYS 2731

MORNING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
	BIT	O.D. .24
1	BIT SUB w/FLOAT	170 1.22
1	X/O SUB	171 1.12
10	SPIRAL HWDP	160 92.53
1	X/O SUB	156 .44
1	JAR	167 5.20
1	X/O SUB	160 .50
3	SPIRAL HWDP	160 28.02
17	H.W.D.P.	127 159.86
80	D.P. STANDS	2293.64
	D.P. SINGLES	
	KELLY DOWN	-16.77
	TOTAL	2566.00
	WT. OF D.C. 12	
	WT. OF STRING 88	

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: Ti | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED X
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH
PVT,m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL
CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
0
HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
0

BOILERS: 1 | 2
HRS RUN 0 | HRS RUN 0
BOILER pH | BOILER pH
STACK TEMP | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
152 | | 152 |
REDUCED PUMP SPEED @ | @
DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION
DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	145	1.75	12	Rig up Laydown Truck & Power Tongs
145	800	6.25	12	Run 177.8mm Liner
800				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-27 RIG UP POWER TONGS, G-35 RUN CASING w/LAYDOWN TRUCK

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Run Casing		10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 15

DRIVERS

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND	8		KV
DERRICK HAND		SHAWN WATSON	8		SW
MOTOR HAND		GREG ST.ARNAUD	8		GS
FLOOR HAND		JUSTIN MILLER	8		JM
FLOOR HAND		JASON SMITH	8		JS
LEASE HAND		DAVID FRANKLIN	8		DF

DAY TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
	BIT	O.D.
	D.P. STANDS	
	D.P. SINGLES	
	KELLY DOWN	
	TOTAL	
	WT. OF D.C.	
	WT. OF STRING	

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: Ti | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL
CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2
HRS RUN 0 | HRS RUN 0
BOILER pH | BOILER pH
STACK TEMP | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
152 | | 152 |
REDUCED PUMP SPEED @ | @
DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION
DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2731

DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ALLAN LICKOCH			
ASSIST DRILLER		KEVIN LAUCK			
DERRICK HAND		VIRGIL NANAQUAWETUNG			
MOTOR HAND		DERWIN KOTCHEA			
FLOOR HAND		MOISE PUNCH			
FLOOR HAND		SEAN WOLOSCH			
LEASE HAND		ALEX MILIC			

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
	BIT	O.D.
	D.P. STANDS	
	D.P. SINGLES	
	KELLY DOWN	
	TOTAL	
	WT. OF D.C.	
	WT. OF STRING	

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: Ti | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL
CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2
HRS RUN 0 | HRS RUN 0
BOILER pH | BOILER pH
STACK TEMP | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
152 | | 152 |
REDUCED PUMP SPEED @ | @
DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION
DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2731

DRIVERS

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND			
DERRICK HAND		SHAWN WATSON			
MOTOR HAND		GREG ST.ARNAUD			
FLOOR HAND		JUSTIN MILLER			
FLOOR HAND		JASON SMITH			
LEASE HAND		DAVID FRANKLIN			

LICENCE NO.	WELL NAME & NO.
1125	PARAMOUNT ET AL LIARD K-29A

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Slick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	O/P	R/M
		GP
		GP
		GP
		GP
		GP
		GP
		GP

YEAR 2005 MONTH 9 DAY 22
RIG NO. 58
FUEL @ 08:00 HRS
RIG 114 BOILER

SWACO
TEMPERATURE 4
CURRENT CONDITIONS Cloudy
WIND DIRECTION N.W.
ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE:	TIME:
RIG RELEASE:	TIME:
WELL TYPE: DIR.	RE-ENTRY: YES
OPERATOR'S AFE:	
KELLY BSHG: 6.8	DP FUEL:
CONTRACTOR'S JOB NUM:	05-21883
TOUR SHEET SERIAL NUM:	AKTA58_20050922_1C
VENDOR SOFTWARE VERSION:	EDR 3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN											7.75										0.25					
DAY						2.0	0.25				5.5										0.25					
EVE					1.75	5.75															0.5					
TOTAL					1.75	7.75	0.25				13.25										1.00					

SHALE SHAKER(S) RENTALS / SERVICES

NO	TYPE	TYPE		MORN	DAY	EVE
2	Derrick FLC	Derrick FLC	TOTAL MJ	10	187	
SCREENS CHANGED	NO	NEW? USED	ACCUM MJ	112	356	
TOP 175	TOP 175	TOP	ACCUM OIL LEVEL	.32		
MIDDLE 175	MIDDLE 175	MIDDLE	TOP DRIVE HRS	4.75		
BOTTOM 175	BOTTOM 210	BOTTOM	TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	22

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO
GARY PATRICK (RM)	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2730

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT	24	
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
10	SPIRAL HWDP	160	92.53
1	X/O SUB	156	.44
1	JAR	167	5.20
1	X/O SUB	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
80	D.P. STANDS		2293.64
	D.P. SINGLES		
	KELLY DOWN		-16.77
	TOTAL		2566.00
	WT. OF D.C.	12	
	WT. OF STRING	88	

BIT RECORD

BIT NO.	RR 4A
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S20GDX
SERIAL NO.	6034568
JETS	open open open
DEPTH OUT (m)	2566
DEPTH IN (m)	2566
TOTAL DRILLED (m)	0.00
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE: WATER BASED [ ] OIL BASED [X]

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	
PVT.m3	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	B.O.P Drill - Well Secure In 60 sec.
15	545	5.50	11	Rig Up Wireline & Run In Log # 2 Gamaray-Induction-Multi Acustic Tool
545				Tagged Bottom @ 2568m
545	800	2.25	11	Run In w/ Log # 2 Earth Imager-Acoustic Imager
800				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-22 OPERATE DRILLERS PANEL

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
WIRELINE LOGS		10848

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND	8		KV
DERRICK HAND		SHAWN WATSON	8		SW
MOTOR HAND		GREG ST.ARNAUD	8		GS
FLOOR HAND		JUSTIN MILLER	8		JM
FLOOR HAND		JASON SMITH	8		JS
LEASE HAND		DAVID FRANKLIN	8		DF

INJURIES

RATE SCHEDULE: REGULAR [ ] REPAIR [X] INVERT [ ]

CREW SAFETY DAYS: 14

DRIVERS

DAY TOUR

MUD RECORD

MUD TYPE: WATER BASED [ ] OIL BASED [X]

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	30	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
1.5	1245	1070	2210

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2566				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	1345	5.50	11	Log #2 Earth Imager-Acoustic Imager
1345	1400	0.25	7	Rig Service/Function Blind Rams 7sec. c/st
1400	1600	2.00	6	Trip In Hole to 1982m (flow check @ 1546m)
				1

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, brakes & Linkage
Review JSA A-12 High Angle Rescue/Man Down Drill
A-13 Rescue From Drill Floor/Man Down Drill

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Fall Protection		10848

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ALLAN LICKOCH	12		AL
ASSIST DRILLER		KEVIN LAUCK	12		KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12		VN
MOTOR HAND		DERWIN KOTCHEA	12		DK
FLOOR HAND		MOISE PUNCH	12		MP
FLOOR HAND		SEAN WOLOSCH	12		SW
LEASE HAND		ALEX MILIC	12		AM

INJURIES

RATE SCHEDULE: REGULAR [ ] REPAIR [X] INVERT [ ]

CREW SAFETY DAYS: 2730

DRIVERS

EVENING TOUR

MUD RECORD

MUD TYPE: WATER BASED [ ] OIL BASED [X]

TIME	1800
DENSITY (kg/m3)	1240
FUNNEL VISCOSITY	70
FLUID LOSS (cm3)	
pH	
PVT.m3	35.4

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	30	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1645	0.75	6	TRIP IN HOLE f/1952m to 2517m
1645	1715	0.50	5	Wash Down F/2526m to 2566m
1715	1830	1.25	5	Circulate hole clean prior to trip out for casing
1830	1900	0.50	6	Trip Out Of Hole
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2345	4.50	6	Trip Out Of Hole - Flow Check @ 1300m (45 stds), 296m (80 stds)
2345				Out Of Hole
2345	2400	0.25	21	Safety Meeting w/ Laydown Operators & Power Tongs
2400				
				Trip Record cal =12.62m3
				mea = 13.89m3
				diff = 1.27m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-47 PREPARE FLOOR TO TRIP

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
TRIPPING		10848

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND	4		KV
DERRICK HAND		SHAWN WATSON	4		SW
MOTOR HAND		GREG ST.ARNAUD	4		GS
FLOOR HAND		JUSTIN MILLER	4		JM
FLOOR HAND		JASON SMITH	4		JS
LEASE HAND		DAVID FRANKLIN	4		DF

INJURIES

RATE SCHEDULE: REGULAR [ ] REPAIR [X] INVERT [ ]

CREW SAFETY DAYS: 2730

DRIVERS

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 22
RIG NO. 58
FUEL @ 08:00 HRS
RIG 114 | BOILER

WEATHER: TEMPERATURE 7 | CURRENT CONDITIONS Cloudy | WIND DIRECTION N.W. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE DIR.	RE-ENTRY YES
OPERATOR'S AFE	
KELLY BSHG 6.8	OP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050922_1B
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN											8.0															8.00
DAY																										
EVE																										8.00
TOTAL											8.00															

SHALE SHAKER(S)

NO.	TYPE	TYPE
1	Derrick FLC	Derrick FLC
2		
SCREENS CHANGED		NEW USED
TOP	175	175
MIDDLE	175	175
BOTTOM	175	210

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	5840		
ACCUM MJ	108	008	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	4.75		
TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	22
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER: GARY PATRICK (RM)	RIG NO. 58		
PROVINCE: N.W.T.	CAMP X YES NO	RIG SAFETY DAYS 2730	

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.24
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
10	SPIRAL HWDP	160	92.53
1	X/O SUB	156	.44
1	JAR	167	5.20
1	X/O SUB	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
80	D.P. STANDS		2293.64
	D.P. SINGLES		
KELLY DOWN			-16.77
TOTAL			2566.00
WT. OF D.C.	12		
WT. OF STRING	88		

BIT RECORD

BIT NO.	RR 4A
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S20GDX
SERIAL NO.	6034568
JETS	open open open
DEPTH OUT (m)	2566
DEPTH IN (m)	2566
TOTAL DRILLED (m)	0.00
TOTAL HRS RUN	

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE	WATER BASED ☐ OIL BASED X
TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	
PVT.m3	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 | BOILER pH | STACK TEMP — 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	545	5.75	11	Rig Up Wireline & Run In Log # 2 Gamaray-Induction-Multi Acustic Tool
				Tagged Bottom @ 2568m
545	800	2.25	11	Run In w/ Log # 2 Earth Imager-Acoustic Imager
800				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-22 OPERATE DRILLERS PANEL

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: WIRELINE LOGS | MEHL | MACP: 10848

MORNING TOUR FROM 0 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 14 | DRIVERS

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE | WATER BASED ☐ OIL BASED ☐ | TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 | BOILER pH | STACK TEMP — 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

DAY TOUR FROM 800 TO 1600 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		VIRGIL NANAQUAWETUNG				
MOTOR HAND		DERWIN KOTCHEA				
FLOOR HAND		MOISE PUNCH				
FLOOR HAND		SEAN WOLOSCH				
LEASE HAND		ALEX MILIC				

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2730 | DRIVERS

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE | WATER BASED ☐ OIL BASED ☐ | TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 | BOILER pH | STACK TEMP — 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

EVENING TOUR FROM 1600 TO 2400 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2730 | DRIVERS

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection	AI	GP
(2.) Detailed Inspection - Weekly (Using Check List)	AI	GP
(3.) H2S Signs Posted if Required	AI	GP
(4.) Well Licence & Stick Diagram Posted	AI	GP
(5.) Flare Lines Staked	AI	GP
(6.) BOP Drills Performed	AI	GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	AI	GP
(1.) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Must Inspection before Raising or Lowering		
(4.) Crown Saver Checked		GP
(5.) Motor Kills Checked		

YEAR 2005 MONTH 9 DAY 21

RIG NO. 58

FUEL @ 08:00 HRS

RIG 127 BOILER

WEATHER: TEMPERATURE 7 | CURRENT CONDITIONS Cloudy | WIND DIRECTION N.W. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
		127	74.35	HWDP			4.5IF	17

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050921_1D		
VENDOR SOFTWARE VERSION	EDR 3-1-4 HF2 ETS 2.2		

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN						2.0					4.25									1.5	0.25					
DAY						2.75	0.25				4.75										0.25					
EVE					2.25	5.25					0.25										0.25					
TOTAL					2.25	10.00	0.25				9.25									1.50	0.75					
TOTALS					8.00	8.00	8.00	8.00	24.00																	

SHALE SHAKER(S)

NO.	TYPE		TYPE	
4	Derrick FLC		Derrick FLC	
SCREENS CHANGED	NO	NEW/USED		
TOP	175	TOP	175	
MIDDLE	175	MIDDLE	175	
BOTTOM	175	BOTTOM	210	

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	5840		
ACCUM MJ	108	008	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	4.75		
TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	21

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
GARY PATRICK (RM)	58

PROVINCE	CAMP				RIG SAFETY DAYS
N.W.T.		X	YES	NO	2729

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.27	
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C.	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
79	D.P. STANDS		2265.27
	D.P. SINGLES		
	KELLY DOWN		-24.61
	TOTAL		2566.00
	WT. OF D.C.	14	
	WT. OF STRING	90	

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	OOC	REASON PULLED	TOTAL RUN m/HR
4	5	WT	A	3	1	BT	TD	

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MORNING TOUR

MUD TYPE | WATER BASED | OIL BASED X

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

PVT,m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2; HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	200	2.00	6	Trip Out Of Hole - Flow Check Out Of Hole-Function Test Blind Rams 6 sec/cls
200	330	1.50	20	Laydown Directional Tools
330	345	0.25	21	Safety Meeting w/ Wireline Operators
345	800	4.25	11	Rig Up & Run Wireline #1 Gamaray-Induction-Multi Acustic Tool
800				Density-Neutron-Caliper
				Trip Record Cal = 12.92m3
				Mea = 14.32m3
				Diff = 1.40m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # D-5 P.O.O.H, D-20 MAKE UP DIRECTIONAL TOOLS,

D-36 RIG UP & RUN WIRELINE TOOLS

STRAP = 2.40m Diff.

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: WIRELINE | MEH. | MACP: 10848

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 13

DRIVERS

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

INJURIES

DAY TOUR

MUD TYPE | WATER BASED | OIL BASED X

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

BIT NO. RR 4A

SIZE 216

IADC CODE 5 1 7

MANUFACTURER HUGHES

TYPE MX-S20GDX

SERIAL NO. 6034568

JETS open open / open

DEPTH OUT (m)

DEPTH IN (m) 2566

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.24	
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
10	SPIRAL HWDP	160	92.53
1	X/O SUB	156	.44
1	JAR	167	5.20
1	X/O SUB	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		289.13
	WT. OF D.C.	12	
	WT. OF STRING	88	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2; HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	1100	2.75	11	Log Up f/2552m(Run #1 Gamaray-Induction-Multi Acustic Tool
1100				Density-Neutron-Caliper
1100	1300	2.00	11	Rig Out Wireline Loggers
1300	1315	0.25	7	Rig Service/Function Blind Rams 7sec. c/s
1315	1600	2.75	6	Run In Hole With Rotary Assembly for Clean Out

NOTES: Checked: Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA D-36 Rig Up Wireline/J-2 Change head & Liners

D-42 Check Drawworks Chains

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Wireline | MEH. | MACP: 10848

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 2729

DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		SEAN WOLOSCH	12			SW
LEASE HAND		ALEX MILIC	12			AM

INJURIES

EVENING TOUR

MUD TYPE | WATER BASED | OIL BASED X

TIME 1800

DENSITY (kg/m3) 1240

FUNNEL VISCOSITY 70

FLUID LOSS (cm3)

pH

PVT.m3 37

BIT NO. RR 4A

SIZE 216

IADC CODE 5 1 7

MANUFACTURER HUGHES

TYPE MX-S20GDX

SERIAL NO. 6034568

JETS open open / open

DEPTH OUT (m) 2566

DEPTH IN (m) 2566

TOTAL DRILLED (m) 0.00

TOTAL HRS RUN

CUTTING STRUCTURE

HOLE CONDITION

HOLE DRAG 3-4 daN Up & Dn

TORQUE AT BOTTOM 6500

FILL ON BOTTOM (m) 0

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.24	
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
10	SPIRAL HWDP	160	92.53
1	X/O SUB	156	.44
1	JAR	167	5.20
1	X/O SUB	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
80	D.P. STANDS		2293.64
	D.P. SINGLES		
	KELLY DOWN		-16.77
	TOTAL		2566.00
	WT. OF D.C.	12	
	WT. OF STRING	88	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	32	SX
SAWDUST	30	SX

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2; HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa 3700 | PUMP NO. 1 LINER SIZE 152 | SPM 0 | PUMP NO. 2 LINER SIZE 152 | SPM 80

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2566				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1630	0.50	6	Trip In Hole to 2450m
1630	1730	1.00	5	Brk. Circ. & Wash Down to 2566m
1730	1845	1.25	5	Circulate Bottoms Up
1845	1900	0.25	6	Trip Out Of Hole
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2345	4.50	6	Trip Out Of Hole - Flow Check @ 1298m (45 stds) 295m (80 stds)
2345	2400	0.25	11	Rig Up Wireline Truck
				Trip Record Cal.= 12.62m3
				Mea.= 13.17m3
				Diff.= .55m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # D-10 OPERATE PIPE SPINNER, D-5 P.O.O.H

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: TRIPPING | MEH. | MACP: 10848

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 2729

DRIVERS

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		JASON SMITH	4			JS
LEASE HAND		DAVID FRANKLIN	4			DF

INJURIES

LICENCE NO.

WELL NAME & NO.
PARAMOUNT ET AL LIARD K-29A

OPERATOR
PARAMOUNT RESOURCES LTD.

CONTRACTOR NAME
AKITA DRILLING LTD.

SURFACE LOCATION

UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	QPR	R.M.
(1.) Daily Walk Around Inspection	AI	GP
(2.) Detailed Inspection - Weekly (Using Check List)	AI	GP
(3.) H2S Signs Posted if Required	AI	GP
(4.) Well Licence & Stick Diagram Posted	AI	GP
(5.) Flare Lines Staked	AI	GP
(6.) BOP Drills Performed	AI	GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	AI	GP
(1.) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		GP
(5.) Motor Kills Checked		

YEAR 2005 MONTH 9 DAY 21

RIG NO. 58

FUEL @ 08:00 HRS

RIG 127 BOILER

WEATHER
TEMPERATURE 7
CURRENT CONDITIONS Cloudy
WIND DIRECTION N.W.
ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

$PUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 | OP FUEL
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM AKTA58_20050921_1C
VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN						2.0					4.25									1.5	0.25						8.00
DAY																											
EVE																											
TOTAL						2.00					4.25									1.50	0.25						8.00

SHALE SHAKER(S) RENTALS / SERVICES

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC
SCREENS CHANGED	NO	NEW USED
TOP	175	TOP 175
MIDDLE	175	MIDDLE 175
BOTTOM	175	BOTTOM 210

RENTALS / SERVICES	MORN	DAY	EVE
TOTAL MJ	21	412	
ACCUM MJ	1021	69	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	4.75		
TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. **PARAMOUNT ET AL LIARD K-29A** | YEAR **2005** | MONTH **9** | DAY **21**

OPERATOR **PARAMOUNT RESOURCES LTD.** | CONTRACTOR NAME **AKITA DRILLING LTD.**

RIG MANAGER **GARY PATRICK (RM)** | RIG NO. **58**

PROVINCE **N.W.T.** | CAMP X YES NO | RIG SAFETY DAYS **2729**

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
79	D.P. STANDS		2265.27
	D.P. SINGLES		
KELLY DOWN			-24.61
TOTAL			2566.00
WT. OF D.C.	14		
WT. OF STRING	90		

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
4	5	WT	A	3	1	BT	TD	

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH | PVT.m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	200	2.00	6	Trip Out Of Hole - Flow Check Out Of Hole-Function Test Blind Rams 6 sec/cls
200	330	1.50	20	Laydown Directional Tools
330	345	0.25	21	Safety Meeting w/ Wireline Operators
345	800	4.25	11	Rig Up & Run Wireline #1 Gamaray-Induction-Multi Acustic Tool
800				Density-Neutron-Caliper
				Trip Record Cal = 12.92m3
				Mea = 14.32m3
				Diff = 1.40m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-5 P.O.O.H, D-20 MAKE UP DIRECTIONAL TOOLS,
D-36 RIG UP & RUN WIRELINE TOOLS
STRAP = 2.40m Diff.

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: WIRELINE | MEHL | MACP: 10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 13 | DRIVERS

MORNING TOUR FROM 0 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND	8		KV
DERRICK HAND		SHAWN WATSON	8		SW
MOTOR HAND		GREG ST.ARNAUD	8		GS
FLOOR HAND		JUSTIN MILLER	8		JM
FLOOR HAND		JASON SMITH	8		JS
LEASE HAND		DAVID FRANKLIN	8		DF

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2729 | DRIVERS

DAY TOUR FROM 800 TO 1600 — INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND			
DERRICK HAND		SHAWN WATSON			
MOTOR HAND		GREG ST.ARNAUD			
FLOOR HAND		JUSTIN MILLER			
FLOOR HAND		JASON SMITH			
LEASE HAND		DAVID FRANKLIN			

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2729 | DRIVERS

EVENING TOUR FROM 1600 TO 2400 — INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ALLAN LICKOCH			
ASSIST DRILLER		KEVIN LAUCK			
DERRICK HAND		VIRGIL NANAQUAWETUNG			
MOTOR HAND		DERWIN KOTCHEA			
FLOOR HAND		MOISE PUNCH			
FLOOR HAND		SEAN WOLOSCH			
LEASE HAND		ALEX MILIC			

LICENCE NO. | WELL NAME & NO.: **PARAMOUNT ET AL LIARD K-29A**

OPERATOR: **PARAMOUNT RESOURCES LTD.** | CONTRACTOR NAME: **AKITA DRILLING LTD.**

SURFACE LOCATION | UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE | SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 21
RIG NO. 58
FUEL @ 08:00 HRS: RIG 127 | BOILER

WEATHER: TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
DP	127	29.02	E2		4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3		4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP		4.5IF	17			

DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE: DIR. | RE-ENTRY: YES
OPERATOR'S AFE
KELLY BSHG: 6.8 | OP FUEL
CONTRACTOR'S JOB NUM.
TOUR SHEET SERIAL NUM: AKTA58_20050921_1B
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN						2.0					4.25									1.5	0.25					
DAY																										
EVE																										
TOTAL						2.00					4.25									1.50	0.25					
TOTALS																					8.00					

SHALE SHAKER(S): NO. 1 | TYPE Derrick FLC | SCREENS CHANGED NO | TYPE Derrick FLC | NEW USED

TOP	TOP	MIDDLE	MIDDLE	BOTTOM	BOTTOM
175	175	175	175	175	210

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	21	412	
ACCUM MJ	1021	69	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	4.75		
TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: **PARAMOUNT ET AL LIARD K-29A** | YEAR 2005 | MONTH 9 | DAY 21
OPERATOR: **PARAMOUNT RESOURCES LTD.** | CONTRACTOR NAME: **AKITA DRILLING LTD.**
RIG MANAGER: **GARY PATRICK (RM)** | RIG NO. 58
PROVINCE: **N.W.T.** | CAMP X YES NO | RIG SAFETY DAYS 2729

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT
CREW SAFETY DAYS: 13 | DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

RATE SCHEDULE | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS: 2729 | DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		VIRGIL NANAQUAWETUNG				
MOTOR HAND		DERWIN KOTCHEA				
FLOOR HAND		MOISE PUNCH				
FLOOR HAND		SEAN WOLOSCH				
LEASE HAND		ALEX MILIC				

RATE SCHEDULE | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS: 2729 | DRIVERS

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	O.D.	27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
79	D.P. STANDS		2265.27
	D.P. SINGLES		
	KELLY DOWN		-24.61
	TOTAL		2566.00
	WT. OF D.C.	14	
	WT. OF STRING	90	

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE | WATER BASED | OIL BASED X | TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH | PVT,m3

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 | BOILER pH | STACK TEMP — 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	200	2.00	6	Trip Out Of Hole - Flow Check Out Of Hole-Function Test Blind Rams 6 sec/ds
200	330	1.50	20	Laydown Directional Tools
330	345	0.25	21	Safety Meeting w/ Wireline Operators
345	800	4.25	11	Rig Up & Run Wireline #1
800				
				Trip Record Cal = 12.92m3
				Mea = 14.32m3
				Diff = 1.40m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR; BRAKES & LINKAGE
REVIEWED JSA # D-5 P.O.O.H, D-20 MAKE UP DIRECTIONAL TOOLS,
D-36 RIG UP & RUN WIRELINE TOOLS

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: WIRELINE | MEHL | MACP: 10848

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT	O.D.	
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD / MUD RECORD / MUD MATERIALS ADDED / SOLIDS CONTROL / BOILERS / CIRCULATION PRESSURE / REDUCED PUMP SPEED / DEVIATION SURVEYS / DRILLER SIGNATURE — same layout as MORNING TOUR

METRES DRILLED / TIME LOG — same layout as MORNING TOUR

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT	O.D.	
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD / MUD RECORD / MUD MATERIALS ADDED / SOLIDS CONTROL / BOILERS / CIRCULATION PRESSURE / REDUCED PUMP SPEED / DEVIATION SURVEYS / DRILLER SIGNATURE — same layout as MORNING TOUR

METRES DRILLED / TIME LOG — same layout as MORNING TOUR

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 20
RIG NO. 58
FUEL @ 06:00 HRS
RIG 144 | BOILER

WEATHER: TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 | OP FUEL
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM AKTA58_20050920_1C
VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		7.5								0.5																
DAY		4.25			2.25	0.75	0.25			0.25											0.25					
EVE					1.5	5.75			0.75																	
TOTAL		11.75			3.75	6.50	0.25		0.75	0.75			0.25													

TOTALS	SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
8.00	2	Derrick FLC	Derrick FLC	TOTAL MJ	21	412	
8.00	SCREENS CHANGED	NO	NEW USED	ACCUM MJ	1021	69	
8.00	TOP 175	TOP 175		ACCUM OIL LEVEL	.32		
8.00	MIDDLE 175	MIDDLE 175		TOP DRIVE HRS	4.75		
24.00	BOTTOM 175	BOTTOM 210		TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 20
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER DAVE LAUCK | RIG NO 58
PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2728

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.27	
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
78	D.P.	STANDS	2236.97
	D.P.	SINGLES	
KELLY DOWN			-7.31
TOTAL			2555.00
WT. OF D.C.	14		
WT. OF STRING	90		

BIT NO. 8 | SIZE 216 | IADC CODE 5 3 7 | MANUFACTURER HUGHES | TYPE MX-S30DGX | SERIAL NO. 6022912 | JETS 15.9 15.9 / 15.9 | DEPTH OUT (m) 2555 | DEPTH IN (m) 2468.75 | TOTAL DRILLED (m) 86.25 | TOTAL HRS RUN 44.75

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG 10-17UP/5-10DN | TORQUE AT BOTTOM 7000 | FILL ON BOTTOM (m)

MORNING TOUR — MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	0200	0400	0530
DENSITY (kg/m3)	1240	1240	1240
FUNNEL VISCOSITY	65	64	65
FLUID LOSS (cm3)			
pH			
PVT	37	38.1	38

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0 | | | |
HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
0 | | | |

BOILERS: 1 | 2
HRS RUN 0 | HRS RUN 0
BOILER pH | BOILER pH
STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa: 7300
PUMP NO. 1: LINER SIZE 152 | SPM 80
PUMP NO. 2: LINER SIZE 152 | SPM

REDUCED PUMP SPEED: 2880 @ 40 @ 2543

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2527.39	43.9	333.4

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2540	2543.41	D	30	14.5
2543.41	2551.21	D	0	20
2551.21	2255	D	30	14

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
00	215	2.25	2	DRILL f/2540M- 2543.41M
215	230	0.25	10	DEVIATION SURVEY @2527.39
230	630	4.00	2	DRILL F/2543.41M- 2551.25M (SLIDE)
630	700	0.50	2	DRILL F/2551.25M- 2552.72M (ROTATE)
700	715	0.25	10	SURVEY 2536.72M
715	800	0.75	2	DRILL F/2552.72M- 2555M
800				

NOTES: CHECKED CROWN SAVER,FASTLINE CLAMP,DEADLINE ANCHOR,BRAKES& LINKAGE
2 EXTRA HRS FOR PRETOUR MEETINGS
ACCUMULATOR@31cm

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP
10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 12

DRIVERS

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		MARK ZAHODA	10		MZ
ASSIST DRILLER		KEVIN LAUCK	10		KL
DERRICK HAND		DOUG CHRISTIE	10		DC
MOTOR HAND		KENNETH LAUCK	10		KL
FLOOR HAND		BILL HETHERINGTON	10		BH
FLOOR HAND		MOSES LORD	10		ML
LEASE HAND		FREDDY CARPENTER	10		FC

INJURIES

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.27	
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
76	D.P.	STANDS	2265.27
	D.P.	SINGLES	
KELLY DOWN			-24.61
TOTAL			2566.00
WT. OF D.C.	14		
WT. OF STRING	90		

BIT NO. 8 | SIZE 216 | IADC CODE 5 3 7 | MANUFACTURER HUGHES | TYPE MX-S30DGX | SERIAL NO. 6022912 | JETS 15.9 15.9 / 15.9 | DEPTH OUT (m) 2566 | DEPTH IN (m) 2468.75 | TOTAL DRILLED (m) 97.25 | TOTAL HRS RUN 49

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG 10-20 UP 5-10 DN | TORQUE AT BOTTOM 6950 | FILL ON BOTTOM (m) 0

DAY TOUR — MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	800	1300	
DENSITY (kg/m3)	1245	1245	
FUNNEL VISCOSITY	63	65	
FLUID LOSS (cm3)			
pH			
PVT	38.1	38.8	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT
GILSTONITE | 6 | SX
BARITE | 39 | SX

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0 | | | |
HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY
0 | | | |

BOILERS: 1 | 2
HRS RUN 0 | HRS RUN 0
BOILER pH | BOILER pH
STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa: 9130
PUMP NO. 1: LINER SIZE 152 | SPM 80
PUMP NO. 2: LINER SIZE 152 | SPM

REDUCED PUMP SPEED: 3100 @ 40 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2546.31	48.1	331.3
2549	48.9	331.3

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2555	2560	D	0	21
2560	2652.31	D	30	16
2652.31	2566	D	0	21

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	1015	2.00	2	Drill f/ 2555m to 2560m (sliding)
1015	1130	1.25	5	Circulate Up Sample
1130	1215	0.75	2	Drill f/ 2560m to 2562.31m (rotate)
1215	1230	0.25	7	Rig Service - Function Test Bottom Pipe Rams 6 sec/cls - Check RSPP
1230	1245	0.25	10	Deviation Survey @ 2546.31m
1245	1415	1.50	2	Drill f/ 2562.31m to 2566m
1415	1515	1.00	5	Circulate Up Sample
1515	1600	0.75	6	Wipper Trip Out f/2566m to 2526m
1600				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-2 RIG SERVICE TOP DRIVE, D-24 CIRCULATING

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Rig Service | MEHL | MACP: 10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2728

DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND	10		KV
DERRICK HAND		SHAWN WATSON	10		SW
MOTOR HAND		GREG ST.ARNAUD	10		GS
FLOOR HAND		JUSTIN MILLER	10		JM
FLOOR HAND		JASON SMITH	10		JS
LEASE HAND		DAVID FRANKLIN	10		DF

INJURIES

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.27	
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
79	D.P.	STANDS	2265.27
	D.P.	SINGLES	
KELLY DOWN			-24.61
TOTAL			2566.00
WT. OF D.C.	14		
WT. OF STRING	90		

BIT NO. 8 | SIZE 216 | IADC CODE 5 3 7 | MANUFACTURER HUGHES | TYPE MX-S30DGX | SERIAL NO. 6022912+ | JETS 15.9 15.9 / 15.9 | DEPTH OUT (m) 2566 | DEPTH IN (m) 2468.75 | TOTAL DRILLED (m) 97.25 | TOTAL HRS RUN 49

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m) 0

EVENING TOUR — MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME		2000	
DENSITY (kg/m3)		1245	
FUNNEL VISCOSITY		65	
FLUID LOSS (cm3)			
pH			
PVT		37.1	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2
HRS RUN 0 | HRS RUN 0
BOILER pH | BOILER pH
STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa: 7400
PUMP NO. 1: LINER SIZE 152 | SPM 80
PUMP NO. 2: LINER SIZE 152 | SPM

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2566				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1830	2.50	6	WIPER TRIP f/2265m to 1847m (Flow Check) RIH-2527M BREAK CIRC
1830	1900	0.50	5	WASH TO BTTM F-2533M-2566M
1900	2000	1.00	5	Circulate Bottoms Up (flow check)
2000	2215	2.25	6	Trip Out Of Hole f/2566m to 1849m/Flow Checked @ 2409m 5stds.
2215	2300	0.75	9	Slip & Cut 20m Drill Line
2300	2400	1.00	6	Trip Out Of Hole

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline anchor, Brakes & Linkage
Review JSA D-5 P.O.O.H./D-10 Operate Pipe Spinner/N-1 Working On Muddy Lease

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Pipe Spinner | MEHL | MACP: 11034

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2728

DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ALLAN LICKOCH	8		AL
ASSIST DRILLER		KEVIN LAUCK	8		KL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8		VN
MOTOR HAND		DERWIN KOTCHEA	8		DK
FLOOR HAND		MOISE PUNCH	8		MP
FLOOR HAND		SEAN WOLOSCH	8		SW
LEASE HAND		ALEX MILIC	8		AM

INJURIES

LICENCE NO.

WELL NAME & NO.
PARAMOUNT ET AL LIARD K-29A

OPERATOR
PARAMOUNT RESOURCES LTD.

CONTRACTOR NAME
AKITA DRILLING LTD.

SURFACE LOCATION

UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (on/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (on/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 | MONTH 9 | DAY 20

RIG NO. 58

FUEL @ 08:00 HRS

RIG 144 | BOILER

TEMPERATURE
9
CURRENT CONDITIONS
CLEAR
WIND DIRECTION
N.E.
ROAD CONDITION
ROUGH

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DRILL STRING	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
		127	74.35	HWDP			4.5IF	17

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 | OP FUEL
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM AKTA58_20050920_1B
VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

PASON

TIME BREAKDOWN

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		7.5								0.5																	8.00
DAY																											
EVE																											
TOTAL		7.50								0.50																	8.00

SHALE SHAKER(S) RENTALS / SERVICES

NO.	TYPE	TYPE		MORN	DAY	EVE
2	Derrick FLC	Derrick FLC	TOTAL MJ	18626	922	
SCREENS CHANGED		NEW USED	ACCUM MJ	99383	66	
TOP 175	TOP 175		ACCUM OIL LEVEL	.32		
MIDDLE 175	MIDDLE 175		TOP DRIVE HRS	4.75		
BOTTOM 175	BOTTOM 210		TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. **PARAMOUNT ET AL LIARD K-29A** | YEAR **2005** | MONTH **9** | DAY **20**

OPERATOR **PARAMOUNT RESOURCES LTD.** | CONTRACTOR NAME **AKITA DRILLING LTD.**

RIG MANAGER | RIG NO **58**

PROVINCE **N.W.T.** | CAMP [X] YES [ ] NO | RIG SAFETY DAYS **2728**

BOTTOM HOLE ASSEMBLY

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	187	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
78	D.P. STANDS		2236.97
	D.P. SINGLES		
	KELLY DOWN		-7.31
	TOTAL		2555.00
	WT. OF D.C.	14	
	WT. OF STRING	90	

BIT RECORD

BIT NO.	8
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30DGX
SERIAL NO.	6022912
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2555
DEPTH IN (m)	2468.75
TOTAL DRILLED (m)	86.25
TOTAL HRS RUN	44.75

CUTTING STRUCTURE

Ti	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10-17UP/5-10DN
TORQUE AT BOTTOM	7000
FILL ON BOTTOM (m)	

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [X]

TIME	0200	0400	0530
DENSITY (kg/m3)	1240	1240	1240
FUNNEL VISCOSITY	65	64	65
FLUID LOSS (cm3)			
pH			
PVT	37	38.1	38

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2540	2543.41	D	30	14.5
2543.41	2551.21	D	0	20
2551.21	2255	D	30	14

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7300	152	80	152

REDUCED PUMP SPEED

2880 @ 40 @ 2543

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2527.39	43.9	333.4

DRILLER SIGNATURE: MARK ZAHODA

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
00	215	2.25	2	DRILL f/2540M- 2543.41M
215	230	0.25	10	DEVIATION SURVEY @2527.39
230	630	4.00	2	DRILL F/2543.41M- 2551.25M (SLIDE)
630	700	0.50	2	DRILL F/2551.25M- 2552.72M (ROTATE)
700	715	0.25	10	SURVEY 2536.72M
715	800	0.75	2	DRILL F/2552.72M- 2555M
800				

NOTES: CHECKED CROWN SAVER,FASTLINE CLAMP,DEADLINE ANCHOR,BRAKES& LINKAGE
2 EXTRA HRS FOR PRETOUR MEETINGS
ACCUMULATOR@31cm

SPECIAL EVENT | SAFETY TOPIC | MEHL | MACP
TIME / DEPTH | | | 10848

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	10			MZ
ASSIST DRILLER		KEVIN LAUCK	10			KL
DERRICK HAND		DOUG CHRISTIE	10			DC
MOTOR HAND		KENNETH LAUCK	10			KL
FLOOR HAND		BILL HETHERINGTON	10			BH
FLOOR HAND		MOSES LORD	10			ML
LEASE HAND		FREDDY CARPENTER	10			FC

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 12

DRIVERS

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [ ]

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | SAFETY TOPIC | MEHL | MACP
TIME / DEPTH | | | 10848

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2728

DRIVERS

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [ ]

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | SAFETY TOPIC | MEHL | MACP
TIME / DEPTH | | | 10848

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2728

DRIVERS

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 19
RIG NO. 58
FUEL @ 08.00 HRS
RIG 165 | BOILER

WEATHER: TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 | OP FUEL
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM AKTA58_20050919_1D
VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		7.5					0.25			0.25																8.00
DAY		7.25								0.5											0.25					8.00
EVE		7.25					0.25			0.25											0.25					8.00
TOTAL		22.00					0.50			1.00											0.50					24.00

SHALE SHAKER(S) RENTALS / SERVICES

NO.	TYPE	TYPE
1	Derrick FLC	Derrick FLC
SCREENS CHANGED		NEW USED
TOP	175	175
MIDDLE	175	175
BOTTOM	175	210

	MORN	DAY	EVE
TOTAL MJ	18626	922	
ACCUM MJ	99383	66	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	4.75		
TOTAL TOP DRIVE HRS	161		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 19
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER DAVE LAUCK | RIG NO. 58
PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2727

MORNING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.27
1	MOTOR	159	8.37
1	X/O FLOAT	158	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
77	D.P.	STANDS	2208.56
	D.P.	SINGLES	
KELLY DOWN			-20.9
TOTAL			2513.00
WT. OF D.C.	14		
WT. OF STRING	89		

BIT NO.	8
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30DGX
SERIAL NO.	6022912
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2513
DEPTH IN (m)	2468.75
TOTAL DRILLED (m)	44.25
TOTAL HRS RUN	22.75

CUTTING STRUCTURE: TI | To | MOC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10-20 UP/DOWN
TORQUE AT BOTTOM	7000
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	0200	0400	0600
DENSITY (kg/m3)	1240	1240	1240
FUNNEL VISCOSITY	65	64	65
FLUID LOSS (cm3)			
pH			
PVT	38	37.9	37.8

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | 0 — BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
7400 | 152 | 80 | 152

REDUCED PUMP SPEED: 4480 @ 50 @ 2486

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2489.72	37.7	336.4

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2502.60	2513	D	30	17
			0	13

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	100	1.00	2	DRILL f/2502.60M - 2504.72M (ROTATE)
100	115	0.25	7	RIG SERVICE FUNC. TOP PIPE RAMS (7 SEC C/O 7 SEC)
115	130	0.25	10	DEVIATION SURVEY @ 2489.72
130	700	5.50	2	DRILL F/ 2504.72M- 2511M (SLIDE)
700	800	1.00	2	DRILL 2511M- 2513M (ROTATE)
800				

NOTES: CHECK CROWN SAVER,DEADLINE ANCHOR, FASTLINE CLAMP,BRAKE LINKAGES
REVIEWED JSA D-2 RIG SERVICE TOP DRIVE
ACCUMULATOR@31cm

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: FALL PROTECTION | MEHL | MACP 10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 11 | DRIVERS

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

DAY TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
77	D.P.	STANDS	2208.56
	D.P.	SINGLES	
KELLY DOWN			-7.4
TOTAL			2526.50
WT. OF D.C.	14		
WT. OF STRING	90		

BIT NO.	8
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30DGX
SERIAL NO.	6022912
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2526.5
DEPTH IN (m)	2468.75
TOTAL DRILLED (m)	57.75
TOTAL HRS RUN	30

CUTTING STRUCTURE: TI | To | MOC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-10 DN 8-18 UP
TORQUE AT BOTTOM	6590
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	800	1200	1600
DENSITY (kg/m3)	1250	1245	1235
FUNNEL VISCOSITY	68	65	63
FLUID LOSS (cm3)			
pH			
PVT,m3	37.4	38.6	38.2

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | 0 — BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
9450 | 152 | 80 | 152

REDUCED PUMP SPEED: 4480 @ 50 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2499.08	38.9	334.0
2508.5	40.1	333.2

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2513	2515.08	D	30	11
2515.08	2520.08	D	0	14
2520.08	2524.5	D	30	12
2524.5	2526.5	D	0	18

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	915	1.00	2	Drill f/ 2513m to 2515.08m (rotate)
915	930	0.25	10	Deviation Survey @ 2499.08m
930	1300	3.50	2	Drill f/ 2515.08m to 2520.08m (sliding)
1300	1445	1.75	2	Drill f/ 2520.08m to 2524.5m (rotate)
1445	1500	0.25	10	Deviation Survey @ 2508.5
1500	1600	1.00	2	Drill f/ 2524.5m to 2526.5m (sliding)

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-25 CHANGE TONG DIES, D-47 PREPARE FLOOR TO TRIP

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: CHIPPING PAINT | MEHL | MACP 10666

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2727 | DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		JASON SMITH	12			JS
LEASE HAND		DAVID FRANKLIN	12			DF

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
78	D.P.	STANDS	2236.97
	D.P.	SINGLES	
KELLY DOWN			-22.31
TOTAL			2540.00
WT. OF D.C.	14		
WT. OF STRING	90		

BIT NO.	8
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30DGX
SERIAL NO.	6022912
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2540
DEPTH IN (m)	2468.75
TOTAL DRILLED (m)	71.25
TOTAL HRS RUN	37.25

CUTTING STRUCTURE: TI | To | MOC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-10 DN 10-18 UP
TORQUE AT BOTTOM	7000
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	1800	2000	2300
DENSITY (kg/m3)	1245	1240	1240
FUNNEL VISCOSITY	65	63	64
FLUID LOSS (cm3)			
pH			
pvt	38.0	37	36.5

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT — LIME | 10 | SX

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | 0 — BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
7300 | 152 | 80 | 152

REDUCED PUMP SPEED: 2880 @ 40 @ 2525

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2517.90	41.8	331.1

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2526.5	2531.5	D	0	22
2531.5	2533.90	D	30	14
2533.90	2540	D	0	22.5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1900	3.00	2	DRILL F/ 2526.5m to 2531.5m (sliding)
1900	1915	0.25	21	HELD PRETOUR SAFETY MEETING
1915	2015	1.00	2	DRILL F/2531.5M-2533.90M (ROTATING)
2015	2030	0.25	10	SURVEY @ 2517.9
2030	2045	0.25	7	RIG SERVICE FUNCTION BTTM PIPES (7SEC C/O 7 SEC)
2045	2400	3.25	2	DRILL F/2533.90M- 2540M (SLIDING)
2400				

NOTES: CHECKED CROWN SAVER,DEADLINE ANCHOR,FASTLINE CLAMP
REVIEW JSA D-16 MOVE BIT F/STORAGE TO RIG FLOOR

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: FALL PROTECTION | MEHL | MACP 10666

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2727 | DRIVERS

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	4			MZ
ASSIST DRILLER		KEVIN LAUCK	4			KL
DERRICK HAND		DOUG CHRISTIE	4			DC
MOTOR HAND		KENNETH LAUCK	4			KL
FLOOR HAND		BILL HETHERINGTON	4			BH
FLOOR HAND		MOSES LORD	4			ML
LEASE HAND		FREDDY CARPENTER	4			FC

LICENCE NO.

WELL NAME & NO.
PARAMOUNT ET AL LIARD K-29A

OPERATOR
PARAMOUNT RESOURCES LTD.

CONTRACTOR NAME
AKITA DRILLING LTD.

SURFACE LOCATION

UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	DPR	R.M.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (one/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 MONTH 9 DAY 19

RIG NO. 58

FUEL @ 08:00 HRS

RIG 165 BOILER

WEATHER
TEMPERATURE: 9
CURRENT CONDITIONS: CLEAR
WIND DIRECTION: N.E.
ROAD CONDITION: ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 | OP FUEL
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM AKTA58_20050919_1C
VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME SHEET

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		7.5					0.25			0.25																
DAY																										
EVE																										
TOTAL		7.50					0.25			0.25																

TOTALS	SHALE SHAKER(S) NO	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
8.00	2	Derrick FLC	Derrick FLC	TOTAL MJ	18162	922	
	SCREENS CHANGED		NEW USED	ACCUM MJ	98919	66	
	TOP 175	TOP 175		ACCUM OIL LEVEL	.32		
	MIDDLE 175	MIDDLE 175		TOP DRIVE HRS	5.0		
8.00	BOTTOM 175	BOTTOM 210		TOTAL TOP DRIVE HRS	156.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 19
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER | RIG NO 58
PROVINCE N.W.T. | CAMP [X] YES [ ] NO | RIG SAFETY DAYS 2727

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
77	D.P. STANDS		2208.56
	D.P. SINGLES		
	KELLY DOWN		-20.9
	TOTAL		2513.00
	WT. OF D.C.	14	
	WT. OF STRING	89	

BIT RECORD

BIT NO.	8
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30DGX
SERIAL NO.	6022912
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2513
DEPTH IN (m)	2468.75
TOTAL DRILLED (m)	44.25
TOTAL HRS RUN	22.75

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10-20 UP/DOWN
TORQUE AT BOTTOM	7000
FILL ON BOTTOM (m)	

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [ ]

TIME	0200	0400	0600
DENSITY (kg/m3)	1240	1240	1240
FUNNEL VISCOSITY	65	64	65
FLUID LOSS (cm3)			
pH			
PVT	38	37.9	37.8

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7400	152	80	152	

REDUCED PUMP SPEED: 4480 @ 50 @ 2486

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2489.72	37.7	336.4

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2502.60	2513	D	30	17
			0	13

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	100	1.00	2	DRILL f/2502.60M - 2504.72M (ROTATE)
100	115	0.25	7	RIG SERVICE FUNC. TOP PIPE RAMS (7 SEC C/O 7 SEC)
115	130	0.25	10	DEVIATION SURVEY @ 2489.72
130	700	5.50	2	DRILL F/ 2504.72M- 2511M (SLIDE)
700	800	1.00	2	DRILL 2511M- 2513M (ROTATE)
800				

NOTES: CHECK CROWN SAVER,DEADLINE ANCHOR, FASTLINE CLAMP,BRAKE LINKAGES
REVIEWED JSA D-2 RIG SERVICE TOP DRIVE
ACCUMULATOR@31cm

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: FALL PROTECTION | MEHL | MACP: 10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 11

DRIVERS

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

INJURIES

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [ ]

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2727

DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

INJURIES

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [ ]

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2727

DRIVERS

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

INJURIES

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

RIG START-UP CHECKS
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 MONTH 9 DAY 18
RIG NO. 58
FUEL @ 08:00 HRS
RIG 90 BOILER

TEMPERATURE 9
CURRENT CONDITIONS CLEAR
WIND DIRECTION N.E.
ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE DIR.	RE-ENTRY YES
OPERATOR'S AFE	
KELLY BSHG 6.8	OP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050918_1B
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG. & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		0.75	0.25			3.5	0.25													0.25							5.00
DAY																											5.00
EVE																											5.00
TOTAL		0.75	0.25			3.50	0.25													0.25							5.00

SHALE SHAKER(S) NO. 2 TYPE Derrick FLC CLEAR SCREENS CHANGED
TYPE Derrick FLC NEW USED

TOP 175 MIDDLE 175 BOTTOM 175
TOP 175 MIDDLE 175 BOTTOM 210

RENTALS / SERVICES

	MORN	DAY
TOTAL MJ	14926	922
ACCUM MJ	95683	66
ACCUM OIL LEVEL	.32	
TOP DRIVE HRS	11.25	
TOTAL TOP DRIVE HRS	151.25	

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A — YEAR 2005 — MONTH 9 — DAY 18
OPERATOR PARAMOUNT RESOURCES LTD. — CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER — RIG NO. 58
PROVINCE N.W.T. — CAMP [X] YES [ ] NO — RIG SAFETY DAYS 2726

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
1	BIT O.D.	27
1	MOTOR	8.37
1	X/O FLOAT	.65
1	MWD D.C	9.48
1	TRANSMITTER SUB	1.49
1	NMDC	9.30
1	NMDC	9.23
10	SPIRAL HWDP	92.53
1	X.O.	.44
1	JAR	5.20
1	X.O.	.50
3	SPIRAL HWDP	28.02
17	H.W.D.P.	159.86
75	D.P. STANDS	2151.71
	D.P. SINGLES	
	KELLY DOWN	6.05
	TOTAL	2471.00
	WT. OF D.C.	14
	WT. OF STRING	83

	1	2
BIT NO.	7	8
SIZE	216	216
IADC CODE	5 3 7	5 3 7
MANUFACTURER	HUGHES	HUGHES
TYPE	MX-S30GDX	MX-S30DGX
SERIAL NO.	6034455	6022912
JETS	15.9 15.9 15.9 15.9 / 15.9 / 15.9	
DEPTH OUT (m)	2468.75	2471
DEPTH IN (m)	2363	2468.75
TOTAL DRILLED (m)	105.75	2.25
TOTAL HRS RUN	43	.75

CUTTING STRUCTURE: Ti 4 | To 5 | MDC WT | LOC A | BRG 8 | GAGE 4 | ODC BT | REASON PULLED HR | TOTAL RUN m/HR 2.45

HOLE CONDITION: HOLE DRAG 5-10 UP/DOWN; TORQUE AT BOTTOM 6200; FILL ON BOTTOM (m) 0

MORNING TOUR — MUD RECORD

MUD TYPE — WATER BASED [ ] OIL BASED [ ]
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 — BOILER pH — STACK TEMP; 2 HRS RUN 0 — BOILER pH — STACK TEMP

CIRCULATION PRESSURE kPa 7200
PUMP NO. 1: LINER SIZE 152 — SPM
PUMP NO. 2: LINER SIZE 152 — SPM 80

REDUCED PUMP SPEED: 3250 @ 2448 @ 50

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2448	2468.75	R	30	2
2468.75	2471	D	0	16

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0			6	P.O.O.H FLOW CHECK @ 1300M @ BEFORE BHA @ 360M AND OUT OF HOLE
	300			FUNC. SHEAR RAMS ON BANK 8 SEC. C/O 8 SEC.
300	400	1.00	6	R.I.H W/BHA ,BIT No.8
400	415	0.25	7	RIG SERVICE FUNC. TOP PIPE RAMS 7 SEC. C/O 7 SEC.
415	645	2.50	6	R.I.H TO 700M FILL PIPE TEST MWD, FILL @ 1200M, 1900M,R.I.H TO 2448.M
645	700	0.25	3	REAM F/ 2448M TO 2468.75M
700	715	0.25	20	DIR. WORK
715	800	0.75	2	DRILL F/2468.75-2471M (SLIDE)

NOTES: check crown saver,deadman achor,fastline clamp and brake linkages
review jsa on D-10 oper. pipe spinner D-6 R.I.H W/ T.D
TRIP RECORD CAL. 12.47 MEAS. 12.72 DIFF. .25
ACCUMULATOR@ 31cm

SPECIAL EVENT — TIME / DEPTH — SAFETY TOPIC: R.I.H W/ T.D — MEHL — MACP: 11213

RATE SCHEDULE — REGULAR — REPAIR X — INVERT

CREW SAFETY DAYS: 10 — DRIVERS

MORNING TOUR FROM 0 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

DAY TOUR — MUD RECORD

MUD TYPE — WATER BASED [ ] OIL BASED [ ]
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 — BOILER pH — STACK TEMP; 2 HRS RUN 0 — BOILER pH — STACK TEMP

CIRCULATION PRESSURE kPa
PUMP NO. 1: LINER SIZE 152 — SPM
PUMP NO. 2: LINER SIZE 152 — SPM

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT — TIME / DEPTH — SAFETY TOPIC — MEHL — MACP

RATE SCHEDULE — REGULAR — REPAIR X — INVERT

CREW SAFETY DAYS: 2726 — DRIVERS

DAY TOUR FROM 800 TO 1600 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

EVENING TOUR — MUD RECORD

MUD TYPE — WATER BASED [ ] OIL BASED [ ]
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 — BOILER pH — STACK TEMP; 2 HRS RUN 0 — BOILER pH — STACK TEMP

CIRCULATION PRESSURE kPa
PUMP NO. 1: LINER SIZE 152 — SPM
PUMP NO. 2: LINER SIZE 152 — SPM

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT — TIME / DEPTH — SAFETY TOPIC — MEHL — MACP

RATE SCHEDULE — REGULAR — REPAIR X — INVERT

CREW SAFETY DAYS: 2726 — DRIVERS

EVENING TOUR FROM 1600 TO 2400 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 18
RIG NO. 58
FUEL @ 08:00 HRS
RIG 90 | BOILER

WEATHER: TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 | OP FUEL
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM AKTA58_20050918_1C
VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		0.75	0.25			6.5	0.25													0.25						
DAY		7.0					0.25			0.5											0.25					
EVE		7.5								0.25											0.25					
TOTAL		15.25	0.25			6.50	0.50			0.75										0.25	0.50					

TOTALS	SHALE SHAKER(S) NO.	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
8.00	2	Derrick FLC	TOTAL MJ	18162	922	
8.00	SCREENS CHANGED NO	NEW USED	ACCUM MJ	98919	66	
8.00	TOP 175	TOP 175	ACCUM OIL LEVEL	.32		
8.00	MIDDLE 175	MIDDLE 175	TOP DRIVE HRS	5.0		
24.00	BOTTOM 175	BOTTOM 210	TOTAL TOP DRIVE HRS	156.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 18
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER DAVE LAUCK | RIG NO. 58
PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2726

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
75	D.P. STANDS		2151.71
	D.P. SINGLES		
KELLY DOWN			-6.05
TOTAL			2471.00
WT. OF D.C.	14		
WT. OF STRING	83		

BIT RECORD

	7	8
BIT NO.		
SIZE	216	216
IADC CODE	5 3 7	5 3 7
MANUFACTURER	HUGHES	HUGHES
TYPE	MX-S30GDX	MX-S30DGX
SERIAL NO.	6034455	6022912
JETS	15.9 15.9 15.9 15.9	
	15.9	15.9
DEPTH OUT (m)	2468.75	2471
DEPTH IN (m)	2363	2468.75
TOTAL DRILLED (m)	105.75	2.25
TOTAL HRS RUN	43	.75

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
4	5	WT	A	E	4	BT	HR	2.45

HOLE CONDITION

HOLE DRAG 5-10 UP/DOWN
TORQUE AT BOTTOM 6200
FILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2
HRS RUN 0 | HRS RUN 0
BOILER pH | BOILER pH
STACK TEMP | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2448	2468.75	R	30	2
2468.75	2471	D	0	16

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
7200 | 152 | | 152 | 80

REDUCED PUMP SPEED: 3250 @ 2448 @ 50

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: MARK ZAHODA

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	300	3.00	6	P.O.O.H FLOW CHECK @ 1300M @ BEFORE BHA @ 360M AND OUT OF HOLE
				FUNC. SHEAR RAMS ON BANK 8 SEC. C/O 8 SEC.
300	400	1.00	6	R.I.H W/BHA ,BIT No.8
400	415	0.25	7	RIG SERVICE FUNC. TOP PIPE RAMS 7 SEC. C/O 7 SEC.
415	645	2.50	6	R.I.H TO 7OOM FILL PIPE TEST MWD, FILL @ 1200M, 1900M,R.I.H TO 2448.M
645	700	0.25	3	REAM F/ 2448M TO 2468.75M
700	715	0.25	20	DIR. WORK
715	800	0.75	2	DRILL F/2468.75-2471M (SLIDE)

NOTES: check crown saver,deadman achor,fastline clamp and brake linkages
review jsa on D-10 oper. pipe spinner D-6 R.I.H W/ T.D
TRIP RECORD CAL. 12.47 MEAS. 12.72 DIFF. .25
ACCUMULATOR@ 31cm

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: R.I.H W/ T.D | MEHL | MACP: 11213

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 10

DRIVERS

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
76	D.P. STANDS		2180.38
	D.P. SINGLES		
KELLY DOWN			-18.22
TOTAL			2487.50
WT. OF D.C.	14		
WT. OF STRING	89		

BIT RECORD

	8
BIT NO.	
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30DGX
SERIAL NO.	6022912
JETS	15.9 15.9
	15.9
DEPTH OUT (m)	2487.5
DEPTH IN (m)	2468.75
TOTAL DRILLED (m)	18.75
TOTAL HRS RUN	7.75

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG 6 dn 11 up rotating
TORQUE AT BOTTOM 6550
FILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

	800	1200	1600
TIME			
DENSITY (kg/m3)	1225	1225	1225
FUNNEL VISCOSITY	78	68	67
FLUID LOSS (cm3)			
pH			
PVT.m3	37.4	39.4	40.1

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2
HRS RUN 0 | HRS RUN 0
BOILER pH | BOILER pH
STACK TEMP | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2471	2473	D	0	23
2473	2477.05	D	30	17
2477.5	2483	D	0	23
2483	2486.5	D	30	16
2486.5	2487.5	D	0	19

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
9040 | 152 | | 152 | 80

REDUCED PUMP SPEED: 3905 @ 50 @ 3900

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION
2461.05 | 31.5 | 338.8
2470.5 | 33.3 | 336.5

DRILLER SIGNATURE: KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	930	1.25	2	Drill f/ 2471m to 2473m (sliding)
930	1045	1.25	2	Drill f/ 2473m to 2477.05m (roate)
1045	1100	0.25	7	Rig Service - Function Test HCR Valve - Check RSPP
1100	1115	0.25	10	Deviation Survey @ 2461.05m
1115	1400	2.75	2	Drill f/ 2477.05m to 2483.0m (sliding)
1400	1530	1.50	2	Drill f/ 2483m to 2486.5m (rotate)
1530	1545	0.25	10	Deviation Survey @ 2470.5m
1545	1600	0.25	2	Drill f/ 2476.5m to 2487.5m (sliding)
1600				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-14 WASHING RIG, G-16 WASTE DISPOSAL
J-13 CLEANING LINER WASH w/ VACCUM, G-25 LOADER OPERATION

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: LOADER OPERATION | MEHL | MACP: 11031

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2726

DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		JASON SMITH	12			JS
LEASE HAND		DAVID FRANKLIN	12			DF

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
76	D.P. STANDS		2180.38
	D.P. SINGLES		
KELLY DOWN			-3.12
TOTAL			2502.60
WT. OF D.C.	14		
WT. OF STRING	89		

BIT RECORD

	8
BIT NO.	
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30DGX
SERIAL NO.	6022912
JETS	15.9 15.9
	15.9
DEPTH OUT (m)	2502.60
DEPTH IN (m)	2468.75
TOTAL DRILLED (m)	33.85
TOTAL HRS RUN	15.25

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG 10-15 UP ROTATING
TORQUE AT BOTTOM 6300
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

	1700	1930	2300
TIME			
DENSITY (kg/m3)	1225	1230	1230
FUNNEL VISCOSITY	67	64	63
FLUID LOSS (cm3)			
pH			
pvt	396.4	39.7	39.1

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2
HRS RUN 0 | HRS RUN 0
BOILER pH | BOILER pH
STACK TEMP | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2487.5	2491.5	D	0	19
2491.5	2496.26	D	30	16
2496.26	2501	D	0	25
2501	2502.60	D	30	17

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
9040 | 152 | 80 | 152 |

REDUCED PUMP SPEED: 3905 @ 50 @ 2496

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION
2480.26 | 35.6 | 336.2

DRILLER SIGNATURE: MARK ZAHODA

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1800	2.00	2	DRILL F/ 2487.5m to 2491.5m (sliding)
1800	1900	1.00	2	DRILL F/ 2491.5m to 2493M (ROTATE)
1900	1915	0.25	21	PRETOUR SAFETY MEETING
1915	2015	1.00	2	DRILL F/2493M-2496.26 (ROTATE)
2015	2030	0.25	10	SURVEY @2480.26M
2030	2245	2.25	2	DRILL F/2496.26M- 2501M (SLIDING)
2245	2400	1.25	2	DRILL F/2501M- 2502.60M (ROTATING)
2400				

NOTES: CHECKED CROWN SAVER,FASTLINE CLAMP,DEADLINE ANCHOR
REVIEW G-25 LOADER OPERATION

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: LOADER OPERATIONS | MEHL | MACP: 11031

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2726

DRIVERS

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	4			MZ
ASSIST DRILLER		KEVIN LAUCK	4			KL
DERRICK HAND		DOUG CHRISTIE	4			DC
MOTOR HAND		KENNETH LAUCK	4			KL
FLOOR HAND		BILL HETHERINGTON	4			BH
FLOOR HAND		MOSES LORD	4			ML
LEASE HAND		FREDDY CARPENTER	4			FC

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 MONTH 9 DAY 17
RIG NO. 58
FUEL @ 08:00 HRS
RIG 108 BOILER

WEATHER: TEMPERATURE -9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DRILL STRING	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE | TIME | RIG RELEASE | TIME | WELL TYPE DIR. | RE-ENTRY YES | OPERATOR'S AFE | KELLY BSHG 6.8 | OP FUEL | CONTRACTOR'S JOB NUM | TOUR SHEET SERIAL NUM AKTA58_20050917_1C | VENDOR SOFTWARE VERSION EDR 3-1-4 HF2 ETS 2.2

CAODC

PASON

TIME BREAKDOWN

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		7.5								0.5																
DAY		7.0					0.25			0.5											0.25					
EVE		5.0			1.0	1.75				0.25																
TOTAL		19.50			1.00	1.75	0.25			1.25											0.25					

SHALE SHAKER(S) RENTALS / SERVICES

NO.	TYPE	TYPE		MORN	DAY	EVE
2	Derrick FLC	Derrick FLC	TOTALS	8.00	8.00	8.00	24.00
SCREENS CHANGED	NO	NEW USED	TOTAL MJ	14926	922		
			ACCUM MJ	95683	66		
TOP	175	TOP 175	ACCUM OIL LEVEL	.32			
MIDDLE	175	MIDDLE 175	TOP DRIVE HRS	11.25			
BOTTOM	175	BOTTOM 210	TOTAL TOP DRIVE HRS	151.25			

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 17
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER DAVE LAUCK | RIG NO. 58
PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2725

BIT RECORD

BIT NO.	7
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30GDX
SERIAL NO.	6034455
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2446
DEPTH IN (m)	2363
TOTAL DRILLED (m)	83.00
TOTAL HRS RUN	31

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-10 UP/DN
TORQUE AT BOTTOM	7000
FILL ON BOTTOM (m)	

MORNING TOUR — MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

	0200	0400	0600
TIME			
DENSITY (kg/m3)	1240	1240	1240
FUNNEL VISCOSITY	63	64	64
FLUID LOSS (cm3)			
pH			
PVT	36.5	36.3	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa 7200 | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM 80

REDUCED PUMP SPEED: 2650 @ 40 @ 2438

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2413.35	28.2	341.1
2422.89	27.9	340.6

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2428	2446	D	30	16
			0	24

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	100	1.00	2	DRILL F/ 2428M- 2429.35 (ROTATING)
100	115	0.25	10	SURVEY @2413.35 INC 28.2 AZ 341.1
115	215	1.00	2	DRILL F/2429.35M-2432M (SLIDING)
215	500	2.75	2	DRILL F/2432M- 2438.89M (ROTATING)
500	515	0.25	10	SURVEY@ 2422.89 INC 27.9 AZ 340.6
515	700	1.75	2	DRILL F/2438.89- 2443.89M (slide)
700	800	1.00	2	DRILL f/2443.89-2446M (ROTATE)
800				

NOTES: CHECK CROWN SAVER, DEADMAN ANCHOR, FASTLINE CLAMP AND BRAKE LINKAGES
REVIEW JSA A-9 (WORKING ON BUILDINGS WITHOUT HANDRAILS)
accumulator@31CM

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: blds w/o hnd rails | MEHL | MACP: 10848

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.27
1	MOTOR	159	8.37
1	X/O FLOAT	158	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
74	D.P. STANDS		2123.16
	D.P. SINGLES		
KELLY DOWN			-2.5
TOTAL			2446.00
WT. OF D.C.	14		
WT. OF STRING	82		

DAY TOUR — BIT RECORD

BIT NO.	7
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30GDX
SERIAL NO.	6034455
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2459.5
DEPTH IN (m)	2363
TOTAL DRILLED (m)	96.50
TOTAL HRS RUN	38

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	6 dn & 11 up
TORQUE AT BOTTOM	6100
FILL ON BOTTOM (m)	0

DAY TOUR — MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

	800	1000	1400
TIME			
DENSITY (kg/m3)	1240	1235	1240
FUNNEL VISCOSITY	62	63	60
FLUID LOSS (cm3)			
pH			
PVT.m3	35.8	35.1	38

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa 7831 | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM 80

REDUCED PUMP SPEED: 3380 @ 2442 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2432.5	28.2	341.8
2442.02	29.3	341.8

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2446	2448.5	D	30	17
2448.5	2451.5	D	0	25
2451.5	2458.02	D	30	17
2458.02	2459.5	D	0	25

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	945	1.50	2	Drill f/ 2446m to 2448.5m (rotate)
945	1000	0.25	7	Rig Service - Function Test Top Pipe Rams 6 sec/cls - Check RSPP
1000	1015	0.25	10	Deviation Survey @ 2432.5m
1015	1215	2.00	2	Drill f/ 2448.5m to 2451.5m (sliding)
1215	1500	2.75	2	Drill f/ 2451.5m to 2458.02m (rotate)
1500	1515	0.25	10	Deviation Survey @ 2442.02
1515	1600	0.75	2	Drill f/ 2458.02m to 2459.5m (sliding)

NOTES: CHECKED CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-1 RIG SERVICE DRAWWORKS, G-6 FUELING CREW TRUCK
P-5 HANDLING OIL DRUMS

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: RIG SERVICE | MEHL | MACP: 11031

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
75	D.P. STANDS		2151.71
	D.P. SINGLES		
KELLY DOWN			-17.55
TOTAL			2459.50
WT. OF D.C.	14		
WT. OF STRING	82		

EVENING TOUR — BIT RECORD

BIT NO.	7
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30GDX
SERIAL NO.	6034455
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2468.75
DEPTH IN (m)	2363
TOTAL DRILLED (m)	105.75
TOTAL HRS RUN	43

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10-15UP/5-10DN
TORQUE AT BOTTOM	6500
FILL ON BOTTOM (m)	

EVENING TOUR — MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

	1800	2000
TIME		
DENSITY (kg/m3)	1240	1220
FUNNEL VISCOSITY	67	64
FLUID LOSS (cm3)		
pH		
pvt	38.1	37.4

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT
BARITE | 30 | SX

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa 7830 | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM 80

REDUCED PUMP SPEED: 3830 @ 2442 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2451.41	30.4	340.7

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2459.5	2463.02	D	0	19
2463.02	2467.41	D	30	16
2467.41	2468.75	D	0	19

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1800	2.00	2	DRILL F/ 2459.5m to 2463.02m (sliding)
1800	2015	2.25	2	Drill f/ 2463.02m to 2467.41M (ROTATING)
2015	2030	0.25	10	SURVEY @ 2451.41M INC 30.4 AZ 340.7
2030	2115	0.75	2	DRILL F/2467.41M- 2468.75M (SLIDE)
2115	2215	1.00	5	CIRC BTTMS UP SAMPLE
2215	2400	1.75	6	PULL 5STDS TO 2325M PUMP PILL,FLOW CHECK @ 2315

NOTES: CHECKED CROWN SAVER,FASTLINE CLAMP,DEADLINE ANCHOR,BRAKES &
LINKAGES
REVIEW JSA ON D-4 P.O.O.H,D-10 OPER. PIPE SPINNER A-17 LANDYARD INSPECTION

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: P.O.O.H | MEHL | MACP: 11213

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

RATE SCHEDULE | REGULAR | REPAIR X | INVERT
CREW SAFETY DAYS: 9 | DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		JASON SMITH	12			JS
LEASE HAND		DAVID FRANKLIN	12			DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT
CREW SAFETY DAYS: 2725 | DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	4			MZ
ASSIST DRILLER		KEVIN LAUCK	4			KL
DERRICK HAND		DOUG CHRISTIE	4			DC
MOTOR HAND		KENNETH LAUCK	4			KL
FLOOR HAND		BILL HETHERINGTON	4			BH
FLOOR HAND		MOSES LORD	4			ML
LEASE HAND		FREDDY CARPENTER	4			FC

RATE SCHEDULE | REGULAR | REPAIR X | INVERT
CREW SAFETY DAYS: 2725 | DRIVERS

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (QFR / R.M)

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 17
RIG NO. 58
FUEL @ 08:00 HRS
RIG 108 | BOILER

WEATHER: TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 | OP FUEL
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM AKTA58_20050917_1B
VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		4.75								0.5																
DAY																										
EVE																										
TOTAL		4.75								0.50																
TOTALS																	5.25				5.25					

SHALE SHAKER(S) | RENTALS / SERVICES

NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
2	Derrick FLC	Derrick FLC	TOTAL MJ	13570	922	
SCREENS CHANGED		NEW / USED	ACCUM MJ	94327	66	
TOP	175	TOP 175	ACCUM OIL LEVEL	.32		
MIDDLE	175	MIDDLE 175	TOP DRIVE HRS	14		
BOTTOM	175	BOTTOM 210	TOTAL TOP DRIVE HRS	14089		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 17
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER | RIG NO 58
PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2725

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT		.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
74	D.P.	STANDS	2123.16
	D.P.	SINGLES	
	KELLY DOWN		-20.50
	TOTAL		2428.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	7
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30GDX
SERIAL NO.	6034455
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2428
DEPTH IN (m)	2363
TOTAL DRILLED (m)	65.00
TOTAL HRS RUN	23.50

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	X
TIME		0200		0400	
DENSITY (kg/m3)		1240		1240	
FUNNEL VISCOSITY		63		64	
FLUID LOSS (cm3)					
pH					
PVT		36.5		36.3	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0 | 0

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

7200 | 152 | | 152 | 80

REDUCED PUMP SPEED: 2650 @ 40 @ 2438

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2413.35	28.2	341.1
2422.89	27.9	340.6

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2428		D	30	16

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	100	1.00	2	DRILL F/ 2428M- 2429.35 (ROTATING)
100	115	0.25	10	SURVEY @2413.35 INC 28.2 AZ 341.1
115	215	1.00	2	DRILL F/2429.35M-2432M (SLIDING)
215	500	2.75	2	DRILL F/2432M- 2438.89M (ROTATING)
500	515	0.25	10	SURVEY@ 2422.89 INC 27.9 AZ 340.6
515			2	DRILL F/2438.89-

NOTES: CHECK CROWN SAVER, DEADMAN ANCHOR, FASTLINE CLAMP AND BRAKE LINKAGES
REVIEW JSA A-9 (WORKING ON BUILDINGS WITHOUT HANDRAILS)
accumulator@31CM

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: blds w/o hnd rails | MEHL | MACP: 10848

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

RATE SCHEDULE | REGULAR | REPAIR X | INVERT
CREW SAFETY DAYS: 9 | DRIVERS

DAY TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

152 | 152

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
800				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

RATE SCHEDULE | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS: 2725 | DRIVERS

EVENING TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME					
DENSITY (kg/m3)					
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

152 | 152

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1600				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

RATE SCHEDULE | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS: 2725 | DRIVERS

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 16
RIG NO. 58
FUEL @ 08:00 HRS
RIG 126 | BOILER

WEATHER
TEMPERATURE -9
CURRENT CONDITIONS CLEAR
WIND DIRECTION N.E.
ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
DP	127	74.35	HWDP			4.5IF	17

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE: | TIME:
RIG RELEASE: | TIME:
WELL TYPE: DIR. | RE-ENTRY: YES
OPERATOR'S AFE:
KELLY BSHG: 6.8 | OP FUEL:
CONTRACTOR'S JOB NUM:
TOUR SHEET SERIAL NUM: AKTA58_20050916_1C
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		7.5								0.5																
DAY		7.0					0.25			0.5											0.25					
EVE		7.25					0.25			0.5																
TOTAL		21.75					0.50			1.50											0.25					

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC	TOTAL MJ	13570	922	
8.00	SCREENS CHANGED	NEW USED	ACCUM MJ	94327	66
8.00	TOP 175	TOP 175	ACCUM OIL LEVEL	.32	
8.00	MIDDLE 175	MIDDLE 175	TOP DRIVE HRS	14	
24.00	BOTTOM 175	BOTTOM 210	TOTAL TOP DRIVE HRS	14089	

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 16
OPERATOR: PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME: AKITA DRILLING LTD.
RIG MANAGER: DAVE LAUCK | RIG NO: 58
PROVINCE: N.W.T. | CAMP: X YES NO | RIG SAFETY DAYS: 2724

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
72	D.P.	STANDS	2065.93
	D.P.	SINGLES	
KELLY DOWN			-4.27
TOTAL			2387.00
WT. OF D.C.	14		
WT. OF STRING	82		

BIT RECORD

BIT NO.	7
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30GDX
SERIAL NO.	6034455
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2387
DEPTH IN (m)	2363
TOTAL DRILLED (m)	24.00
TOTAL HRS RUN	9.25

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-10 UP/DN
TORQUE AT BOTTOM	7
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	X
TIME		0200	0400	0600	
DENSITY (kg/m3)		1230	1230	1240	
FUNNEL VISCOSITY		64	65	64	
FLUID LOSS (cm3)					
pH					
PVT		35.8	35.4	35.3	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GILSTONITE	5	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2367	2387	D	30	18
			0	24

CIRCULATION PRESSURE kPa: 7400

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	80

REDUCED PUMP SPEED: 2850 @ 40 @ 2369

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2355.2	27.8	355.2

DRILLER SIGNATURE: MARK ZAHODA

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0000	115	1.25	2	DRILL F/2367- 2369M SLIDE
115	215	1.00	2	DRILL F/ 2369- 2372M ROTATE
215	230	0.25	10	SURVEY @ 2346.73 INC 359.5 AZI 27.2
230	415	1.75	2	DRILL F/2372-2377M SLIDE
415	545	1.50	2	DRILL F/2377-2381 M ROTATE
545	600	0.25	10	SURVEY @2365.70 INC.28.8 AZI 352.2
600	800	2.00	2	DRILL F/2381M-2387M SLIDE
800				

NOTES: CHECK CROWN SAVER,FASTLINE CLAMP,DEADLINE ANCHOR AND BRAKE LINKAGES
ACCUMULATOR@30cm
REVIEW JSA ON D-22 OPERATING DRILLERS PANEL

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: SLINGS | MEHL | MACP: 11031

RATE SCHEDULE | REGULAR | REPAIR: X | INVERT

CREW SAFETY DAYS: 8

DRIVERS

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		MARK ZAHODA	8		MZ
ASSIST DRILLER		KEVIN LAUCK	8		KL
DERRICK HAND		DOUG CHRISTIE	8		DC
MOTOR HAND		KENNETH LAUCK	8		KL
FLOOR HAND		BILL HETHERINGTON	8		BH
FLOOR HAND		MOSES LORD	8		ML
LEASE HAND		FREDDY CARPENTER	8		FC

INJURIES

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
73	D.P.	STANDS	2094.49
	D.P.	SINGLES	
KELLY DOWN			-13.83
TOTAL			2406.00
WT. OF D.C.	14		
WT. OF STRING	82		

BIT RECORD

BIT NO.	7
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30GDX
SERIAL NO.	6034455
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2406
DEPTH IN (m)	2363
TOTAL DRILLED (m)	43.00
TOTAL HRS RUN	16.25

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-10 up & dn
TORQUE AT BOTTOM	6570
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	X
TIME		800	1000		
DENSITY (kg/m3)		1230	1240		
FUNNEL VISCOSITY		64	62		
FLUID LOSS (cm3)					
pH					
PVT.m3		34.5	33.9		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2387	2391	D	30	16
2391	2393	D	0	25
2393	2400.82	D	30	16
2400.82	2403.82	D	0	25
2403.82	2406	D	30	16

CIRCULATION PRESSURE kPa: 8215

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	80

REDUCED PUMP SPEED: 3477 @ 2389 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2375.27	28.3	347.9
2384.82	28.3	345.1

DRILLER SIGNATURE: KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	945	1.50	2	Drill f/ 2387m to 2391m (rotate)
945	1000	0.25	7	Rig Service - Function Test Bottom Pipe Rams 6 sec/ds - Check RSPP
1000	1015	0.25	10	Deviation Survey @ 2375.27
1015	1100	0.75	2	Drill f/ 2391m to 2393m (sliding)
1100	1345	2.75	2	Drill f/ 2393m to 2400.82m (rotate)
1345	1400	0.25	10	Deviation Survey @ 2384.82
1400	1515	1.25	2	Drill f/ 2400.82 to 2403.82m (sliding)
1515	1600	0.75	2	Drill f/ 2403.82m to 2406m (rotate)
1600				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA #D-3MAKE STAND CONNECTION w/ PIPE SCREEN, G-2 DRIVING TO & FROM RIG
L-5 VACCUM OPERATION, D-2 RIG SERVICE TOP DRIVE, E-3 CROWN SERVICE & INSPECTION
GREASED CROWN
TOPIC OF THE WEEK - FALL ARREST & FALL PROTECTION

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: FALL ARREST | MEHL | MACP: 11031

RATE SCHEDULE | REGULAR | REPAIR: X | INVERT

CREW SAFETY DAYS: 2724

DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		KEVIN VANDENBRAND	12		KV
DERRICK HAND		SHAWN WATSON	12		SW
MOTOR HAND		GREG ST.ARNAUD	12		GS
FLOOR HAND		JUSTIN MILLER	12		JM
FLOOR HAND		JASON SMITH	12		JS
LEASE HAND		DAVID FRANKLIN	12		DF

INJURIES

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
74	D.P.	STANDS	2123.16
	D.P.	SINGLES	
KELLY DOWN			-20.50
TOTAL			2428.00
WT. OF D.C.	14		
WT. OF STRING	82		

BIT RECORD

BIT NO.	7
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30GDX
SERIAL NO.	6034455
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2428
DEPTH IN (m)	2363
TOTAL DRILLED (m)	65.00
TOTAL HRS RUN	23.50

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-10 up& dn
TORQUE AT BOTTOM	7
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	X
TIME		1800	2000	2300	
DENSITY (kg/m3)		1245	1240	1240	
FUNNEL VISCOSITY		62	62	63	
FLUID LOSS (cm3)					
pH					
PVT.m3		33.7	35.9	37.4	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GILSTONITE	5	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2406	2427	D	30	16
2427				

CIRCULATION PRESSURE kPa: 7170

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	80

REDUCED PUMP SPEED: 2629 @ 40 @ 2419.

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2394.24	28.6	343.6

DRILLER SIGNATURE: MARK ZAHODA

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1715	1.25	2	DRILL F/ 2406m to 2410.24m (rotate)
1715	1730	0.25	10	DEVIATION SURVEY @ 2394.24m
1730	2015	2.75	2	DRILL F/ 2410.24m to2418.8m
2015	2030	0.25	7	RIG SERVICE FUNC. TOP PIPES 8 SEC.C/O 8 SEC.
2030	2045	0.25	10	SURVEY@ 2403.83M
2045	2400	3.25	2	DRILL F/ 2418.8M- 2428M ROTATE
2400				

NOTES: CHECKED FASTLINE CLAMP,DEADLINE ANCHOR,BRAKES & LINKAGE
REVIEWED JSA A-5 (CLIMBING DERRICK)

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: CLIMBING DERRICK | MEHL | MACP: 10848

RATE SCHEDULE | REGULAR | REPAIR: X | INVERT

CREW SAFETY DAYS: 2724

DRIVERS

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		MARK ZAHODA	4		MZ
ASSIST DRILLER		KEVIN LAUCK	4		KL
DERRICK HAND		DOUG CHRISTIE	4		DC
MOTOR HAND		KENNETH LAUCK	4		KL
FLOOR HAND		BILL HETHERINGTON	4		BH
FLOOR HAND		MOSES LORD	4		ML
LEASE HAND		FREDDY CARPENTER	4		FC

INJURIES

LICENCE NO. | WELL NAME & NO. **PARAMOUNT ET AL LIARD K-29A**

OPERATOR **PARAMOUNT RESOURCES LTD.** | CONTRACTOR NAME **AKITA DRILLING LTD.**

SURFACE LOCATION | UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE | SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 16
RIG NO. 58
FUEL @ 08:00 HRS
RIG 126 | BOILER
WEATHER: TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	MASS	GRADE	MINIMUM I.D	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC/DP	127	29.02	E2		4.5 IF	169
DP	127	38.10	E3		4.5IF	170
	127	74.35	HWDP		4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 | OP FUEL
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM AKTA58_20050916_1B
VENDOR SOFTWARE VERSION EDR 3-1-4 HF2 ETS 2.2

CAODC

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		7.5								0.5																
DAY																										
EVE																										
TOTAL		7.50								0.50																

TOTALS	SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
8.00	2	Derrick FLC	Derrick FLC	TOTAL MJ	13326	922	
	SCREENS CHANGED		NEW/ USED	ACCUM MJ	94082	66	
	TOP 175	TOP 175		ACCUM OIL LEVEL	.32		
	MIDDLE 175	MIDDLE 175		TOP DRIVE HRS	4		
8.00	BOTTOM 175	BOTTOM 210		TOTAL TOP DRIVE HRS	14075		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. **PARAMOUNT ET AL LIARD K-29A** | YEAR 2005 | MONTH 9 | DAY 16
OPERATOR **PARAMOUNT RESOURCES LTD.** | CONTRACTOR NAME **AKITA DRILLING LTD.**
RIG MANAGER | RIG NO. 58
PROVINCE **N.W.T.** | CAMP X YES NO | RIG SAFETY DAYS **2724**

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

RATE SCHEDULE | REGULAR | REPAIR X | INVERT
CREW SAFETY DAYS **8** | DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

RATE SCHEDULE | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS **2724** | DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

RATE SCHEDULE | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS **2724** | DRIVERS

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C.	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
72	D.P. STANDS		2065.93
	D.P. SINGLES		
KELLY DOWN			4.27
TOTAL			2387.00
WT. OF D.C.	14		
WT. OF STRING	82		

BIT RECORD

BIT NO.	7
SIZE	216
IADC CODE	5 3 7
MANUFACTURER	HUGHES
TYPE	MX-S30GDX
SERIAL NO.	6034455
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2387
DEPTH IN (m)	2363
TOTAL DRILLED (m)	24.00
TOTAL HRS RUN	9.25

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-10 UP/DN
TORQUE AT BOTTOM	7
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	0200	0400	0600
DENSITY (kg/m3)	1230	1230	1240
FUNNEL VISCOSITY	64	65	64
FLUID LOSS (cm3)			
pH			
PVT	35.8	35.4	35.3

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GILSTONITE	5	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2367	2387	D	30	18
			0	24

CIRCULATION PRESSURE / PUMPS

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7400	152		152	80

REDUCED PUMP SPEED: 2850 @ 40 @ 2369

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2355.2	27.8	355.2

DRILLER SIGNATURE: MARK ZAHODA

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0000	115	1.25	2	DRILL F/2367- 2369M SLIDE
115	215	1.00	2	DRILL F/ 2369- 2372M ROTATE
215	230	0.25	10	SURVEY @ 2346.73 INC 359.5 AZI 27.2
230	415	1.75	2	DRILL F/2372-2377M SLIDE
415	545	1.50	2	DRILL F/2377-2381 M ROTATE
545	600	0.25	10	SURVEY @2365.70 INC.28.8 AZI 352.2
600	800	2.00	2	DRILL F/2381M-2387M SLIDE
800				

NOTES: CHECK CROWN SAVER,FASTLINE CLAMP,DEADLINE ANCHOR
ACCUMULATOR@30cm

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: SLINGS | MEHL | MACP: 11031

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
D.P. STANDS			
D.P. SINGLES			
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE / PUMPS

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
D.P. STANDS			
D.P. SINGLES			
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE / PUMPS

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OP'R / R.M.)

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (ona/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (ona/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 15
RIG NO. 58
FUEL @ 08:00 HRS
RIG 144 | BOILER

WEATHER: TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 | OP FUEL
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM AKTA58_20050915_1C
VENDOR SOFTWARE VERSION EDR 3-1-4 HF2 ETS 2.2

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
TIME-HRS MORN		7.5					0.25			0.25																
DAY						6.5														1.25	0.25					
EVE		1.75			0.25	4.25				0.25										1.25	0.25					
TOTAL		9.25			0.25	10.75	0.25			0.50										2.50	0.50					

TOTALS	SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
8.00	2	Derrick FLC	Derrick FLC	TOTAL MJ	13326	922	
8.00	SCREENS CHANGED		NEW USED	ACCUM MJ	94082	66	
8.00	TOP 175	TOP 175	TOP	ACCUM OIL LEVEL	.32		
8.00	MIDDLE 175	MIDDLE 175	MIDDLE	TOP DRIVE HRS	4		
24.00	BOTTOM 175	BOTTOM 210	BOTTOM	TOTAL TOP DRIVE HRS	140.75		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 15
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER DAVE LAUCK | RIG NO. 58
PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2723

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
73	D.P. STANDS		2094.49
	D.P. SINGLES		
	KELLY DOWN		-91
	TOTAL		2363.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	6A	
SIZE	216	
IADC CODE	5 1 7	
MANUFACTURER	HUGHES	
TYPE	MX5206DX	
SERIAL NO.	6034418	
JETS	15.9 15.9	
	15.9 t	
DEPTH OUT (m)	2363	
DEPTH IN (m)	2297.75	
TOTAL DRILLED (m)	65.25	
TOTAL HRS RUN	32.25	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG 5-10 UP/DN
TORQUE AT BOTTOM 6000
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	0200	0400	0600
DENSITY (kg/m3)	1230	1230	1230
FUNNEL VISCOSITY	61	63	62
FLUID LOSS (cm3)			
pH			
PVT	36.5	35.7	35.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
LIME	15	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8000	152	80	152

REDUCED PUMP SPEED: 3550 @ 40 @ 2338

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2338.32	27.4	3.4

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2350	2363	D	30	16

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0000	230	2.50	2	DRILL F/ 2350- 2354M (ROTATE)
230	245	0.25	10	SURVEY AT 2338.32M
245	615	3.50	2	DRILL F/ 2354- 2360M (SLIDE)
615	630	0.25	7	RIG SERVICE FUNC. MI SWAWCO CHOKE
630	800	1.50	2	DRILL F/ 2360M- 2363M (ROTATE)

NOTES: CHECKED CROWN SAVER,FASTLINE CLAMP,DEADLINE ANCHOR,BRAKES & LINKAGE
REVIEW JSA D-3 MAKING STAND CONNECTIONS (using pipe screen)
ACCUMULATOR @31cm

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: stand connections | MEHL | MACP 11031

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 7

DRIVERS

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
73	D.P. STANDS		2094.49
	D.P. SINGLES		
	KELLY DOWN		-91
	TOTAL		2363.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	6A	
SIZE	216	
IADC CODE	5 1 7	
MANUFACTURER	HUGHES	
TYPE	MX5206DX	
SERIAL NO.	6034418	
JETS	15.9 15.9	
	15.9 t	
DEPTH OUT (m)	2363	
DEPTH IN (m)	2297.75	
TOTAL DRILLED (m)	65.25	
TOTAL HRS RUN	32.25	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			
PVT.m3			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8000	152	80	152

REDUCED PUMP SPEED: 3550 @ 40 @ 2338

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting (BOP Drill Well Secure In 60 sec.)
815	1445	6.50	6	Pressured Up- Trip Out Of Hole - Flow Check @ 2229m (5 stds) 1123m (45 stds)
1445				563m (65 stds)
1445	1600	1.25	20	Change Out Mud Motor, Scrib & Change MWD Batteries
				Trip Record Cal. = 11.54m3
				Mea. = 12.63m3
				Diff. = 1.09m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-5 P.O.O.H , D-10 OPERATE PIPE SPINNER

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: B.O.P DRILL | MEHL | MACP 11217

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2723

DRIVERS

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		JASON SMITH	12			JS
LEASE HAND		DAVID FRANKLIN	12			DF

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	27
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
10	SPIRAL HWDP	160	92.53
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
3	SPIRAL HWDP	160	28.02
17	H.W.D.P.	127	159.86
72	D.P. STANDS		2065.93
	D.P. SINGLES		
	KELLY DOWN		-24.27
	TOTAL		2367.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	6A	7
SIZE	216	216
IADC CODE	5 1 7	5 3 7
MANUFACTURER	HUGHES	HUGHES
TYPE	MX5206DX	MX-S30GDX
SERIAL NO.	6034418	6034455
JETS	15.9 15.9	15.9 15.9
	15.9 t	15.9
DEPTH OUT (m)	2363	2367
DEPTH IN (m)	2297.75	2363
TOTAL DRILLED (m)	65.25	4.00
TOTAL HRS RUN	32.25	1.75

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
4	5	WT	A	3	1	NO	BHA	2.0

HOLE CONDITION
HOLE DRAG 5-10 UP/DN
TORQUE AT BOTTOM
FILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	2300		0000
DENSITY (kg/m3)	1210		1225
FUNNEL VISCOSITY	72		66
FLUID LOSS (cm3)			
pH			
PVT	35.1		35.7

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARAGEL 3000	5	SX
LIME	15	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8000	152	80	152

REDUCED PUMP SPEED: 3550 @ 40 @ 2338

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2346.73	27.2	359.5

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2363	2367	D		24.0

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1715	1.25	20	Change Out Mud Motor & MWD Batteries , Scrib Motor
1715	1815	1.00	6	Trip In Hole - (Pick Up 6 Spiral HWDP)
1815	1900	0.75	6	R.I.H
1900	1915	0.25	21	PRETOUR SAFTEY MEETING
1915	2145	2.50	6	R.I.H TO 600M FILL PIPE TEST MWD, FILL @ 1200,@1900M
2145	2200	0.25	5	WASH DOWN F/2334-2363M
2200	2215	0.25	10	SURVEY @ 2346.73
2215	2400	1.75	2	DRILL F/ 2363M- 2367M
2400				

NOTES: CHECK CROWN SAVER DEADMAN FASTLINE CLAMP AND BRAKE LINKAGES
REVIEW JSAS ON D-10 OPER. PIPE SPINNER; D-6 R.I.H W/ T.D

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: OPERATE PIPE SPINNER | MEHL | MACP 11395

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2723

DRIVERS

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		JASON SMITH	12			JS
LEASE HAND		DAVID FRANKLIN	12			DF

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	4			MZ
ASSIST DRILLER		KEVIN LAUCK	4			KL
DERRICK HAND		DOUG CHRISTIE	4			DC
MOTOR HAND		KENNETH LAUCK	4			KL
FLOOR HAND		BILL HETHERINGTON	4			BH
FLOOR HAND		MOSES LORD	4			ML
LEASE HAND		FREDDY CARPENTER	4			FC

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 15
RIG NO. 58
FUEL @ 08:00 HRS
RIG 144 | BOILER

WEATHER: TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE DIR.	RE-ENTRY YES
OPERATOR'S AFE	
KELLY BSHG 6.8	OP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050915_1B
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		7.5					0.25			0.25																
DAY																										
EVE																										
TOTAL		7.50					0.25			0.25																

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 4 TYPE Derrick FLC / TYPE Derrick FLC	TOTAL MJ	9319	922	
	SCREENS CHANGED / NEW/ USED	ACCUM MJ	90075	66	
	TOP 175 / TOP 175	ACCUM OIL LEVEL	.32		
	MIDDLE 175 / MIDDLE 175	TOP DRIVE HRS	10.5		
8.00	BOTTOM 175 / BOTTOM 210	TOTAL TOP DRIVE HRS	136.75		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 15
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER | RIG NO. 58
PROVINCE N.W.T. | CAMP X YES / NO | RIG SAFETY DAYS 2723

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
73	D.P.	STANDS	2094.49
	D.P.	SINGLES	
	KELLY DOWN		91
	TOTAL		2363.00

WT. OF D.C. 14
WT. OF STRING 82

BIT RECORD

BIT NO.	6A
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX5206DX
SERIAL NO.	6034418
JETS	15.9 15.9 15.9 I
DEPTH OUT (m)	2363
DEPTH IN (m)	2297.75
TOTAL DRILLED (m)	65.25
TOTAL HRS RUN	32.25

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-10 UP/DN
TORQUE AT BOTTOM	6000
FILL ON BOTTOM (m)	

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☒

TIME	0200	0400	0600
DENSITY (kg/m3)	1230	1230	1230
FUNNEL VISCOSITY	61	63	62
FLUID LOSS (cm3)			
pH			
PVT	36.5	35.7	35.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2350	2363	D	0	20
			30	16

CIRCULATION PRESSURE kPa: 8000

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152	80	152	

REDUCED PUMP SPEED: 3550 @ 40 @ 2338

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2338.32	27.4	3.4

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0000	230	2.50	2	DRILL F/ 2350- 2354M (ROTATE)
230	245	0.25	10	SURVEY AT 2338.32M
245	615	3.50	2	DRILL F/ 2354- 2360M (SLIDE)
615	630	0.25	7	RIG SERVICE FUNC. MI SWAWCO CHOKE
630	800	1.50	2	DRILL F/ 2360M- 2363M (ROTATE)

NOTES: CHECKED CROWN SAVER,FASTLINE CLAMP,DEADLINE ANCHOR,BRAKES & LINKAGE
REVIEW JSA D-3 MAKING STAND CONNECTIONS (using pipe screen)
ACCUMULATOR @31cm

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: stand connections | MEHL | MACP: 11031

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 7

DRIVERS

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

INJURIES

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa:

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2723

DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

INJURIES

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa:

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2723

DRIVERS

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

INJURIES

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

	OPR	R.M.
(1.) Rig Site Health & Safety Meeting (one/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 | MONTH 9 | DAY 14
RIG NO. 58
FUEL @ 08:00 HRS
RIG 168 | BOILER

WEATHER: TEMPERATURE 5 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
DP	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050914_1D		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
TIME - HRS MORN		7.75					0.25																			
DAY		7.0					0.25			0.5											0.25					
EVE		7.5								0.25											0.25					
TOTAL		22.25					0.50			0.75											0.50					

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 7 TYPE Derrick FLC / TYPE Derrick FLC	TOTAL MJ	9319	922	
8.00	SCREENS CHANGED / NEW USED	ACCUM MJ	90075	66	
8.00	TOP 175 / TOP 175	ACCUM OIL LEVEL	.32		
8.00	MIDDLE 175 / MIDDLE 175	TOP DRIVE HRS	10.5		
24.00	BOTTOM 175 / BOTTOM 210	TOTAL TOP DRIVE HRS	136.75		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	14

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2722

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D. 24	
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
72	D.P. STANDS		2065.93
	D.P. SINGLES		
	KELLY DOWN		-19.32
	TOTAL		2316.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	6A
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX5206DX
SERIAL NO.	634418
JETS	15.9 15.9 / 15.9
DEPTH OUT (m)	2316
DEPTH IN (m)	2297.75
TOTAL DRILLED (m)	18.25
TOTAL HRS RUN	11.25

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-10 UP/ DN
TORQUE AT BOTTOM	6000
FILL ON BOTTOM (m)	

MORNING TOUR MUD RECORD — MUD TYPE: | WATER BASED ☐ | OIL BASED ☐

TIME	0000	0300	0600
DENSITY (kg/m3)	1220	1220	1230
FUNNEL VISCOSITY	64	63	65
FLUID LOSS (cm3)			
pH			
pvt	35.5	34.8	34.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7100	152	80	152	

REDUCED PUMP SPEED: 3000 @ 40 @ 2306

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
	35.0	15.4
2300.20	32.4	13.3

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2301	2316	D	30	15

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	245	2.75	2	Drill f/ 2301m to 2306
245	300	0.25	7	RIG SERVICE FUNCTION TOP PIPES 7SEC CLOSE / 7SEC OPEN
300	800	5.00	2	DRILL F/ 2306M- 2316M
800				

NOTES: CHECKED CROWN SAVER,FASTLINE CLAMP,DEADLINE ANCHOR,BRAKES & LINKAGE,
VALVE ALLIGNMENT ON STACK & MANIFOLD, REVIEWED JSA N-1 WORKING ON MUDDY LEASE
ACCUMULATOR@ 31cm

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		W/MUDDY LEASE		11213

RATE SCHEDULE		REGULAR	.	REPAIR	X	INVERT

CREW SAFETY DAYS: 6

DRIVERS

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

INJURIES

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D. 27	
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
73	D.P. STANDS		2094.49
	D.P. SINGLES		
	KELLY DOWN		-27.41
	TOTAL		2336.50
	WT. OF D.C.	14	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	6A
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX5206DX
SERIAL NO.	6034418
JETS	15.9 15.9 / 15.9
DEPTH OUT (m)	2336.5
DEPTH IN (m)	2297.75
TOTAL DRILLED (m)	38.75
TOTAL HRS RUN	18.25

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-10 up dn
TORQUE AT BOTTOM	6550
FILL ON BOTTOM (m)	0

DAY TOUR MUD RECORD — MUD TYPE: | WATER BASED ☐ | OIL BASED ☒

TIME	800	1200	1400
DENSITY (kg/m3)	1235	1235	1235
FUNNEL VISCOSITY	64	69	64
FLUID LOSS (cm3)			
pH			
PVT,m3	34.6	33.3	32.7

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8000	152	80	152	

REDUCED PUMP SPEED: 3545 @ 50 @ 2333

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2309.78	31.0	9.0
2319.35	29.9	7.5

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2216	2335.35	D	30	17
2335.35	2336.5	D	0	20

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	1045	2.50	2	Drill f/ 2216m to 2325.78m (rotate)
1045	1100	0.25	10	Survey @ 2309.78m
1100	1430	3.50	2	Drill f/ 2325.78m to 2335.35m (rotate)
1430	1445	0.25	7	Rig Service - Function Test HCR Valve - Check RSPP
1445	1500	0.25	10	Survey @ 2319.35
1500	1600	1.00	2	Drill f/ 2335.35m to 2336.5m (sliding)
1600				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # A-3 CAMP FIRE DRILL
REVIEWED TOPIC OF THE WEEK - JSA PROCEDURES AND REVIEW

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		JSA PROCEDURES		11217

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 2722

DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		JASON SMITH	12			JS
LEASE HAND		DAVID FRANKLIN	12			DF

INJURIES

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D. 27	
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
73	D.P. STANDS		2094.49
	D.P. SINGLES		
	KELLY DOWN		-13.91
	TOTAL		2350.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	6A
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX5206DX
SERIAL NO.	6034418
JETS	15.9 15.9 / 15.9 t
DEPTH OUT (m)	2350
DEPTH IN (m)	2297.75
TOTAL DRILLED (m)	52.25
TOTAL HRS RUN	25.75

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-10 UP / DOWN
TORQUE AT BOTTOM	6
FILL ON BOTTOM (m)	0

EVENING TOUR MUD RECORD — MUD TYPE: | WATER BASED ☐ | OIL BASED ☒

TIME	1800	2100	2400
DENSITY (kg/m3)	1230	1230	1230
FUNNEL VISCOSITY	64	62	61
FLUID LOSS (cm3)			
pH			
PVT,m3	33.9	37	36.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8000	152	80	152	

REDUCED PUMP SPEED: 3550 @ 40 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2328.9	28.6	7.2

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2336.5	2340.3	D	0	20
2340.3	2350	D	30	17

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1900	3.00	2	Drill f/ 2336.5m to 2340.3m (sliding)
1900	1915	0.25	21	PRETOUR SAFTEY MEETING
1915	2045	1.50	2	DRILL F/ 2340.3- 2344.9M ROTATE
2045	2100	0.25	10	SURVEY @ 2328.9M
2100	2400	3.00	2	DRILL F/ 2344.9- 2350M (SLIDE)
2400				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEW JSA D-1 RIG SERVICE DRAWWORKS

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		RIG SERVICE DRAWWORK		11031

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 2722

DRIVERS

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	4			MZ
ASSIST DRILLER		KEVIN LAUCK	4			KL
DERRICK HAND		DOUG CHRISTIE	4			DC
MOTOR HAND		KENNETH LAUCK	4			KL
FLOOR HAND		BILL HETHERINGTON	4			BH
FLOOR HAND		MOSES LORD	4			ML
LEASE HAND		FREDDY CARPENTER	4			FC

INJURIES

LICENCE NO. | WELL NAME & NO.: **PARAMOUNT ET AL LIARD K-29A**

OPERATOR: **PARAMOUNT RESOURCES LTD.** | CONTRACTOR NAME: **AKITA DRILLING LTD.**

SURFACE LOCATION | UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE | SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 14
RIG NO. 58
FUEL @ 08:00 HRS
RIG 168 | BOILER
WEATHER: TEMPERATURE 6 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	170
		127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE: DIR. | RE-ENTRY: YES
OPERATOR'S AFE
KELLY BSHG: 6.8 | OP FUEL
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM: AKTA58_20050914_1B
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME-HRS

	CODE NO. 1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		7.75					0.25																			
DAY																										
EVE																										
TOTAL		7.75					0.25																			
TOTALS																					8.00					

SHALE SHAKER(S): NO. 2 | TYPE Derrick FLC | TYPE Derrick FLC | SCREENS CHANGED | NEW USED | TOP 175 | TOP 175 | MIDDLE 175 | MIDDLE 175 | BOTTOM 175 | BOTTOM 175

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	89	922	
ACCUM MJ	91	66	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	8		
TOTAL TOP DRIVE HRS	134		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: **PARAMOUNT ET AL LIARD K-29A** | YEAR 2005 | MONTH 9 | DAY 14
OPERATOR: **PARAMOUNT RESOURCES LTD.** | CONTRACTOR NAME: **AKITA DRILLING LTD.**
RIG MANAGER: **DAVE LAUCK** | RIG NO. 58
PROVINCE: **N.W.T.** | CAMP [X] YES [ ] NO | RIG SAFETY DAYS 2722

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

RATE SCHEDULE | REGULAR | REPAIR X | INVERT
CREW SAFETY DAYS: 6 | DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA				
ASSIST DRILLER		KEVIN LAUCK				
DERRICK HAND		DOUG CHRISTIE				
MOTOR HAND		KENNETH LAUCK				
FLOOR HAND		BILL HETHERINGTON				
FLOOR HAND		MOSES LORD				
LEASE HAND		FREDDY CARPENTER				

RATE SCHEDULE | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS: 33 | DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND				
DERRICK HAND		SHAWN WATSON				
MOTOR HAND		GREG ST.ARNAUD				
FLOOR HAND		JUSTIN MILLER				
FLOOR HAND		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

RATE SCHEDULE | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS: 2722 | DRIVERS

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT	8	.24
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
72	D.P. STANDS		2065.93
	D.P. SINGLES		
	KELLY DOWN		-19.32
	TOTAL		2316.00

WT. OF D.C. 14
WT. OF STRING 82

BIT RECORD

BIT NO.	6A
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX5206DX
SERIAL NO.	634418
JETS	15.9 15.9 15.9
DEPTH OUT (m)	2316
DEPTH IN (m)	2297.75
TOTAL DRILLED (m)	18.25
TOTAL HRS RUN	11.25

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM 6000
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE		WATER BASED [ ]	OIL BASED [ ]	
TIME	0000	0300	0600	
DENSITY (kg/m3)	1220	1220	1230	
FUNNEL VISCOSITY	64	63	65	
FLUID LOSS (cm3)				
pH				
pv1	35.5	34.8	34.5	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0			
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa: 7100

PUMP NO. 1		PUMP NO. 2	
LINER SIZE	SPM	LINER SIZE	SPM
152	80	152	

REDUCED PUMP SPEED: 3000 @ 40 @ 2306

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
	35.0	15.4

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2301	2316	D	30	15

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	245	2.75	2	Drill f/ 2301m to 2306
245	300	0.25	7	RIG SERVICE FUNCTION TOP PIPES 7SEC CLOSE / 7SEC OPEN
300	800	5.00	2	DRILL F/ 2306M- 2316M
800				

NOTES: CHECKED CROWN SAVER,FASTLINE CLAMP,DEADLINE ANCHOR,BRAKES & LINKAGE.
VALVE ALLIGNMENT ON STACK & MANIFOLD, REVIEWED JSA N-1 WORKING ON MUDDY LEASE
ACCUMULATOR@ 31cm

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
W/MUDDY LEASE		11213

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH

D.P. STANDS | D.P. SINGLES | KELLY DOWN | TOTAL | WT. OF D.C. | WT. OF STRING

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [ ]
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 | 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH

D.P. STANDS | D.P. SINGLES | KELLY DOWN | TOTAL | WT. OF D.C. | WT. OF STRING

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED [ ] | OIL BASED [ ]
TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 | 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (OPR / R.M.)
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 9 | DAY 13
RIG NO. 58
FUEL @ 08:00 HRS
RIG 110 | BOILER

WEATHER — TEMPERATURE 9
CURRENT CONDITIONS: CLEAR
WIND DIRECTION: N.E.
ROAD CONDITION: ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

	SPUD DATE		TIME	
	RIG RELEASE		TIME	
	WELL TYPE	DIR.	RE-ENTRY	YES
	OPERATOR'S AFE			
	KELLY BSHG	6.8	OP FUEL	
	CONTRACTOR'S JOB NUM			
	TOUR SHEET SERIAL NUM	AKTA58_20050913_1B		
	VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN					1.0	1.0																	Time Drill			
DAY						7.25	0.25																6.0			
EVE		1.5			0.25	0.75														0.5			8.00			
TOTAL		1.50			1.25	9.00	0.25													3.5			8.00			
																				4.00			2.0			
																							8.00			
																							24.00			

SHALE SHAKER(S) NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED: NO | NEW/USED:

TOP	TOP
175	175
MIDDLE	MIDDLE
175	175
BOTTOM	BOTTOM
175	175

RENTALS / SERVICES	MORN	DAY	EVE
TOTAL MJ	89	922	
ACCUM MJ	91	66	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	0		
TOTAL TOP DRIVE HRS	126.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	13

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2721

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	10			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG				VN
MOTOR HAND		DERWIN KOTCHEA	10			DK
FLOOR HAND		MOISE PUNCH	10			MP
FLOOR HAND		JONATHAN GREEN	10			JG
LEASE HAND		BRIAN JULIAN	10			BJ

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 5 | DRIVERS

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	12			MZ
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 32 | DRIVERS

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2721 | DRIVERS

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT	27	
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
71	D.P. STANDS		2037.39
	D.P. SINGLES		
	KELLY DOWN		-8.81
	TOTAL		2298.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	
SIZE	215
IADC CODE	
MANUFACTURER	Halliburto
TYPE	TB 26 ST
SERIAL NO.	6034568
JETS	
DEPTH OUT (m)	2298
DEPTH IN (m)	2295
TOTAL DRILLED (m)	3.00
TOTAL HRS RUN	8.00

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN mHR

HOLE CONDITION
HOLE DRAG: 2-3 up 2dn sliding
TORQUE AT BOTTOM: 0
FILL ON BOTTOM (m): 0

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	200	400	600
DENSITY (kg/m3)	1225	1225	
FUNNEL VISCOSITY	58	62	
FLUID LOSS (cm3)			
pH			
PVT	34.4	34.3	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa: 7100

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152	75	152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2295.6	2298	D	80	2

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0600	6.00	23	Time Drill f/2295.6m to 2298m
0600	0700	1.00	5	Circulate Bottoms Up Sample/Flow Check
0700	0800	1.00	6	Trip Out Of Hole

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA E-3 Cleaning SCR Room/G-2 Driving To & From Rig/G-25 Loader Operation

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Driving Loader		11217

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
71	D.P. STANDS		2037.39
	D.P. SINGLES		
	KELLY DOWN		-8.78
	TOTAL		2298.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

BIT RECORD

BIT NO.		6A
SIZE	215	216
IADC CODE		5 1 7
MANUFACTURER	Halliburto	HUGHES
TYPE	TB26ST	MX5206DX
SERIAL NO.	6034568	634418
JETS		15.9 15.9
		15.9
DEPTH OUT (m)	2298	2298
DEPTH IN (m)	2295	
TOTAL DRILLED (m)	3.00	
TOTAL HRS RUN	8.00	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN mHR

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	30	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2298		D		

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1130	3.50	6	PUMP OUT 5STDS. FLOW CHECK @ 2155M PUMP PILL P.O.O.H FLOW CHECK @ 1120M
1130				BEFORE BHA @ 270M AND OUT OF HOLE
1130	1200	0.50	20	DIRECTIONAL WORK
1200	1215	0.25	7	RIG SERVICE FUNC. SHEAR RAMS 8 SEC.C/O 8 SEC.
1215	1600	3.75	6	R.I.H TO DIRECTIONAL DRILL TEST MWD@ 600M,FILL@ 1200M TEST MWD. 1900M
1600				

NOTES: CHECK CROWN SAVER,DEADMAN ANCHOR,FASTLINE CLAMP AND BRAKE LINKAGES
REVIEW JSAS, D-6 R.I.H W/ T.D D-8 DOG COLLAR USE, D-20 DIRECTIONAL WORK
D-22 OPERATE DRILLERS PANNEL
TRIP RECORD CAL 11.31 MEAS. 1057 DIFF - .44

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
USED OIL + FILTERS		11217

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
71	D.P. STANDS		2037.39
	D.P. SINGLES		
	KELLY DOWN		-5.78
	TOTAL		2301.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

BIT RECORD

BIT NO.		6A
SIZE		216
IADC CODE		5 1 7
MANUFACTURER		HUGHES
TYPE		MX5206DX
SERIAL NO.		634418
JETS	15.9	15.9
	15.9	
DEPTH OUT (m)		2301
DEPTH IN (m)		2297.75
TOTAL DRILLED (m)		3.25
TOTAL HRS RUN		3.5

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN mHR

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	1730	2100	2300
DENSITY (kg/m3)	1240	1235	1210
FUNNEL VISCOSITY	67	72	74
FLUID LOSS (cm3)			
pH			
PVT.m3	36.1	36.2	35.4

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
LIME	15	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa: 7020

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152	80	152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2297.75	2301	D	0	14

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1645	0.75	6	R.I.H TO 2278M,
1645	1700	0.25	5	CIRC. WASH TO 2294 M
1700	2030	3.50	20	DIR. WORK ON TOOL FACE REAM RAT HOLE F/ 2294m- 2297.75m
2030	2230	2.00	23	TIME DRILL F/ 2297.75m to 2299m
2230	2400	1.50	2	DRILL F/ 2299m to 2301m
2400				

NOTES: CHECK BRAKE LINKAGES,FASTLINE CLAMP,DEADMAN ANCHOR AND CROWN SAVER
REVIEW JSAS D-40 PICK UP TUBULARS TO FLOOR INTO MOUSE HOLE

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
MIXING MUD		11217

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1) Daily Walk Around Inspection
(2) Detailed Inspection - Weekly (Using Check List)
(3) H2S Signs Posted if Required
(4) Well Licence & Stck Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1) Rig Site Health & Safety Meeting (one/crew/month)
(2) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3) Mast Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	OPR	R.M.

YEAR 2005 MONTH 9 DAY 12
RIG NO. 58
FUEL @ 08:00 HRS
RIG 126 BOILER
WEATHER TEMPERATURE 9
CURRENT CONDITIONS CLEAR
WIND DIRECTION N.E.
ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN ID. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE: TIME:
RIG RELEASE: TIME:
WELL TYPE: DIR. RE-ENTRY: YES
OPERATOR'S AFE:
KELLY BSHG: 6.8 OP FUEL:
CONTRACTOR'S JOB NUM:
TOUR SHEET SERIAL NUM: AKTA58_20050912_1B
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME BREAKDOWN

CODE NO. 1 RIGUP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OFF DRILL LINE | 10 DEV. SURVEY | 11 WIRELINE LOGS | 12 RUN CSG & CEMENT | 13 WAIT ON CEMENT | 14 NIPPLE UP B.O.P. | 15 TEST B.O.P. | 16 DRILLSTEM TEST | 17 PLUG BACK | 18 SQUEEZE CEMENT | 19 FISHING | 20 DIR. WORK | 21 SAFETY MEETING | 22 Drill Cement | 23 Time Drill | 24 | 25 | 26

MORN					7.0																	1.0					
DAY					3.75	3.25																1.0					
EVE					0.25	4.0	0.25													1.25	0.25		2.0					
TOTAL					11.00	7.25	0.25													1.25	0.25	2.00	2.00					

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	86	113	
8.00	SCREENS CHANGED NO	NEW USED	ACCUM MJ	53	56	
8.00	TOP 175 MIDDLE 175	TOP 175 MIDDLE 175	ACCUM OIL LEVEL	.32		
24.00	BOTTOM 175	BOTTOM 175	TOP DRIVE HRS	23.5		
			TOTAL TOP DRIVE HRS	126.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 12
OPERATOR: PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME: AKITA DRILLING LTD.
RIG MANAGER: DAVE LAUCK | RIG NO. 58
PROVINCE: N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2720

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	24	
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
5	SPIRAL HWDP	127	46.00
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
73	D.P. STANDS		2094.49
	D.P. SINGLES		
	KELLY DOWN		-26.07
	TOTAL		2283.00
	WT. OF D.C.	10	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	5A RR
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S206DX5
SERIAL NO.	60345968
JETS	11.9 11.9 11.9
DEPTH OUT (m)	2283
DEPTH IN (m)	2220
TOTAL DRILLED (m)	63.00
TOTAL HRS RUN	4.00

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG: 2up 2dn Rotating
TORQUE AT BOTTOM: 6200
FILL ON BOTTOM (m): 0

MUD RECORD

MUD TYPE: WATER BASED ☐ OIL BASED X

TIME	200	400	600
DENSITY (kg/m3)	1230	1235	1235
FUNNEL VISCOSITY	59	60	60
FLUID LOSS (cm3)			
pH			
pvt	24.6	29.9	33.6

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE | PUMP NO. 2 SPM

10400	152	100	152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2274	2283	D	60	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0200	2.00	5	Circulate & Wait On Cement
0200	0245	0.75	22	Drill Cement f/2274m to 2280m
0245	0645	4.00	5	Circulate & Wait On Cement
0645	0700	0.25	22	Drill Cement f/2280m to 2283m
0700	0800	1.00	5	Circulate & Wait On Cement

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-38 Chipping Paint/G-24 Circulating

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Mix Mud | MEHL | MACP: 11217

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 4

DRIVERS

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		JONATHAN GREEN	8			JG
LEASE HAND		BRIAN JULIAN	8			BJ

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	24	
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
5	SPIRAL HWDP	127	46.00
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
73	D.P. STANDS		2094.49
	D.P. SINGLES		
	KELLY DOWN		-14.07
	TOTAL		2295.00
	WT. OF D.C.	10	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	
SIZE	215
IADC CODE	
MANUFACTURER	SECURITY
TYPE	
SERIAL NO.	6034568
JETS	
DEPTH OUT (m)	2295
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG: 3-5 UP/ DOWN
TORQUE AT BOTTOM: 6500
FILL ON BOTTOM (m):

MUD RECORD

MUD TYPE: INVERT WATER BASED ☐ OIL BASED X

TIME	0800	1200
DENSITY (kg/m3)	1230	1220
FUNNEL VISCOSITY	61	60
FLUID LOSS (cm3)		
pH		
pvt	34.2	37.6

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT
BARITE | 30 | SX

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE | PUMP NO. 2 SPM

7100	152	80	152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2283		D	50	8

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1045	2.75	5	CIRCULATE & WAIT ON CEMENT
1045	1145	1.00	22	DRILL CEMENT F/2283-2295M
1145	1245	1.00	5	CIRC BOTTOM HOLE SAMPLE
1245	1600	3.25	6	PULL 5STDS. PUMP PILL, PULL OUT FOR SIDE TRACK TOOLS . FLOW CHECK @ 2009M
1600				1150M 1/2 WAY OUT

NOTES: CHECKED CROWN SAVER,FASTLINE CLAMP,DEADMAN ANCHOR,VALVE
ALLIGNMENT ON STACK & MANIFOLD
REVIEW JSAS D-5 P.O.O.H AND D-10 OPER. PIPE SPINNER

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: P.O.O.H | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 31

DRIVERS

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	12			MZ
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	MOTOR	159	8.37
1	X/O FLOAT	156	.65
1	MWD D.C	165	9.48
1	TRANSMITTER SUB	164	1.49
1	NMDC	169	9.30
1	NMDC	158	9.23
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	167	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
71	D.P. STANDS		2037.39
	D.P. SINGLES		
	KELLY DOWN		-11.21
	TOTAL		2295.60
	WT. OF D.C.	14	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	
SIZE	215
IADC CODE	
MANUFACTURER	SECURITY
TYPE	
SERIAL NO.	6034568
JETS	
DEPTH OUT (m)	2295.6
DEPTH IN (m)	2295
TOTAL DRILLED (m)	0.60
TOTAL HRS RUN	2.00

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG:
TORQUE AT BOTTOM:
FILL ON BOTTOM (m):

MUD RECORD

MUD TYPE: WATER BASED ☐ OIL BASED X

TIME	2200	2400
DENSITY (kg/m3)	1220	1225
FUNNEL VISCOSITY	58	60
FLUID LOSS (cm3)		
pH		
pvt	35.7	34.7

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE | PUMP NO. 2 SPM

8200	152	75	152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2295	2295.6	D	80	2

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1700	1.00	6	P.O.O.H FLOW CHECK , 230M BEFORE BHA AND OUT OF HOLE
1700	1715	0.25	7	RIG SERVICE FUNC. SHEAR RAMS 8 SEC.O/C 8 SEC.
1715	1800	0.75	20	DIR. WORK
1800	1900	1.00	6	MAKE UP BHA R.I.H to 695m
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2115	2.00	6	Trip In Hole f/695m to 2278m
2115	2130	0.25	5	Brk. Circ. & Wash Down f/2278m to 2295m
2130	2200	0.50	20	Orient Directional Tools
2200	2400	2.00	23	Time Drill f/2295m to 2295.6

NOTES: CHECK CROWN SAVER,DEADMAN,FASTINE CLAMP AND BRAKE LINKAGES
REVIEW JSAS ON D-6 RUN IN HOLE W/T.D
TRIP RECORD CAL 10.78 MEA. 10.74 DIFF. -.04

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: R.I.H W/T.D | MEHL | MACP: 11217

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 4

DRIVERS

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	4			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	4			VN
MOTOR HAND		DERWIN KOTCHEA	4			DK
FLOOR HAND		MOISE PUNCH	4			MP
FLOOR HAND		JONATHAN GREEN	4			JG
LEASE HAND		BRIAN JULIAN	4			BJ

MORNING TOUR — FROM 0 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		JONATHAN GREEN	8			JG
LEASE HAND		BRIAN JULIAN	8			BJ

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 4

DRIVERS

DAY TOUR — FROM 800 TO 1600 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	12			MZ
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 31

DRIVERS

EVENING TOUR — FROM 1600 TO 2400 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	4			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	4			VN
MOTOR HAND		DERWIN KOTCHEA	4			DK
FLOOR HAND		MOISE PUNCH	4			MP
FLOOR HAND		JONATHAN GREEN	4			JG
LEASE HAND		BRIAN JULIAN	4			BJ

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 4

DRIVERS

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	**UNIQUE ID**
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
MILES PYRET	DAVE LAUCK

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

QPR	R.M.
MP	DL
MP	DL
MP	DL
MP	DL
MP	DL
MP	DL
	DL

YEAR 2005 | MONTH 9 | DAY 11
RIG NO. 58
FUEL @ 08:00 HRS
RIG 145 | BOILER

WEATHER: TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	DC / DP	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP 127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP 127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
127	74.35	HWDP			4.5IF	17			

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE DIR.	RE-ENTRY YES
OPERATOR'S AFE	
KELLY BSHG 6.8	OP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050911_1D
VENDOR SOFTWARE VERSION	EDR_3-1-4 HF2 ETS 2.2

CAODC

PASON

TIME SHEET

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 Drill Cement	23 Tight Hole	24	25	26
MORN					4.25	2.0	0.25		0.75													0.5	0.25			
DAY					7.75																	0.25				
EVE					5.25		0.25														0.25	2.25				
TOTAL					17.25	2.00	0.50		0.75												0.25	3.00	0.25			
TOTALS					8.00																8.00	0.25				
					8.00																8.00	0.25				
					8.00																8.00	0.25				
					24.00																0.25	3.00	0.25			

SHALE SHAKER(S)				RENTALS / SERVICES	MORN	DAY	EVE
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	82	270	
SCREENS CHANGED NO	NEW/USED			ACCUM MJ	15	14	
TOP	175	TOP	175	ACCUM OIL LEVEL	.32		
MIDDLE	175	MIDDLE	175	TOP DRIVE HRS	9.5		
BOTTOM	175	BOTTOM	175	TOTAL TOP DRIVE HRS	93.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	11
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER: DAVE LAUCK		RIG NO.: 58	
PROVINCE: N.W.T.	CAMP X YES NO	RIG SAFETY DAYS: 2719	

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	24	
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
5	SPIRAL HWDP	127	46.00
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
71	D.P. STANDS		2037.39
	D.P. SINGLES		
	KELLY DOWN		-11.97
	TOTAL		2240.00
	WT. OF D.C.	10	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	5A RR
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S206DX
SERIAL NO.	6034568
JETS	11.9 11.9 11.9
DEPTH OUT (m)	2240
DEPTH IN (m)	2220
TOTAL DRILLED (m)	20.00
TOTAL HRS RUN	.50

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG: 3up 3dn Rotating
TORQUE AT BOTTOM:
FILL ON BOTTOM (m): 0

MORNING TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED X
TIME		400	600	
DENSITY (kg/m3)		1230	1230	
FUNNEL VISCOSITY		65	72	
FLUID LOSS (cm3)				
pH				
PVT		30.8	28.6	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP.		STACK TEMP.	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2220	2240	D	40	3

CIRCULATION PRESSURE kPa: 11500

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152	100	152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0115	1.25	6	Trip In Hole With Rotary Assembly f/752m to 1849m
0115	0200	0.75	9	Cut & Slip 20m Of Drill Line
0200	0215	0.25	7	Rig Service/ Function Annular 21 sec. c/s
0215	0300	0.75	6	Trip In Hole f/1849m to 2220m (taged cement)
0300	0330	0.50	22	Drill Green Cement f/2220m to 2240m
0330	0445	1.25	5	Circ. Bottoms Up
0445	0500	0.25	23	Work Tight Hole (Pressured Up & Pulled Tight)
0500	800	3.00	5	Circulate & Work Drill String f/2222m to 2194m
800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-47 Tripping In and Out Of Hole/D-11 Slip & Cut with Top Drive Unit

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			Slip & Cut		11031

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 3

DRIVERS

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG				VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		JONATHAN GREEN	8			JG
LEASE HAND		BRIAN JULIAN	8			BJ

INJURIES

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	24	
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
5	SPIRAL HWDP	127	46.00
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
71	D.P. STANDS		2037.39
	D.P. SINGLES		
	KELLY DOWN		-8.22
	TOTAL		2243.75
	WT. OF D.C.	10	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	5A RR
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S206DX
SERIAL NO.	60345968
JETS	11.9 11.9 11.9
DEPTH OUT (m)	2243.75
DEPTH IN (m)	2220
TOTAL DRILLED (m)	23.75
TOTAL HRS RUN	.75

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG: 3 UP DOWN 3
TORQUE AT BOTTOM: 5
FILL ON BOTTOM (m):

DAY TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED X
TIME	0800	1200	1700	
DENSITY (kg/m3)	1220	1230	1230	
FUNNEL VISCOSITY	65	64	61	
FLUID LOSS (cm3)				
pH				
pvt	28.3	27.5	26.6	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP.		STACK TEMP.	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2240	2243.75	D	50	4

CIRCULATION PRESSURE kPa: 10500

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152	100	152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MARK ZAHODA

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	900	1.00	5	CIRCULATE AND WORK STRING
900	915	0.25	22	DRILL CEMENT F/2240-2243.75
915	1600	6.75	5	CIRCULATE, WORK STRING AND WAIT ON CEMENT

NOTES: CHECKED FASTLINE CLAMP, DEADMAN ANCHOR, VALVE ALLIGNMENT ON STACK & MANIFOLD,
CHECKED CROWN SAVER,REVIEWED JSA'S G-24 CIRCULATING,G-10 DRIVING CREW TRUCK,
G-14 RIG WASHING

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			WASHING RIG		11213

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 30

DRIVERS

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	12			MZ
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC

INJURIES

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	24	
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
5	SPIRAL HWDP	127	46.00
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
72	D.P. STANDS		2065.93
	D.P. SINGLES		
	KELLY DOWN		-6.51
	TOTAL		2274.00
	WT. OF D.C.	10	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	5A RR
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S206DX5
SERIAL NO.	60345968
JETS	11.9 11.9 11.9
DEPTH OUT (m)	2274
DEPTH IN (m)	2220
TOTAL DRILLED (m)	54.00
TOTAL HRS RUN	3.00

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG:
TORQUE AT BOTTOM:
FILL ON BOTTOM (m):

EVENING TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED X
TIME	2000	2200	2400	
DENSITY (kg/m3)	1230	1235	1230	
FUNNEL VISCOSITY	60	58	62	
FLUID LOSS (cm3)				
pH				
PVT	26.0	26.5	25	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
Q-mul1	1	BBL
LIME	15	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP.		STACK TEMP.	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2243	2274	D	60	8

CIRCULATION PRESSURE kPa: 11100

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152	100	152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1615	0.25	7	RIG SERVICE FUNC. PIPE RAMS 8 SEC. C/O 8 SEC.
1615	1700	0.75	22	DRILL CEMENT F/2243.7m - 2253.7m
1700	1900	2.00	5	CIRCULATE WAIT ON CEMENT
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2100	1.75	5	Circulate & Wait On Cement
2100	2230	1.50	22	Drill Cement f/2253.7m to 2274m
2230	2400	1.50	5	Circulate & Wait On Cement

NOTES: CHECK CROWN SAVER, DEADMAN ANCHOR, BRAKE LINKAGES AND FASTLINE CLAMP
REVIEW JSA A-2 Working @ Heights/G-14 Washing Rig

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			Circulating		11217

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 3

DRIVERS

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	4			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG				VN
MOTOR HAND		DERWIN KOTCHEA	4			DK
FLOOR HAND		MOISE PUNCH	4			MP
FLOOR HAND		JONATHAN GREEN	4			JG
LEASE HAND		BRIAN JULIAN	4			BJ

INJURIES

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MILES PYRET	DAVE LAUCK

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection	MP	DL
(2.) Detailed Inspection - Weekly (Using Check List)	MP	DL
(3.) H2S Signs Posted if Required	MP	DL
(4.) Well Licence & Stick Diagram Posted	MP	DL
(5.) Fibre Lines Staked	MP	DL
(6.) BOP Drills Performed	MP	DL
(7.) Visually Inspect BOPs- Fibre Lines & Degasser Lines	MP	DL

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Meet Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 MONTH 9 DAY 10
RIG NO. 58
FUEL @ 08:00 HRS
RIG 169 BOILER
WEATHER: TEMPERATURE 9; CURRENT CONDITIONS CLEAR; WIND DIRECTION N.E.; ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	170
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE | TIME | RIG RELEASE | TIME | WELL TYPE DIR. | RE-ENTRY YES | OPERATOR'S AFE | KELLY BSHNG 6.8 | OP FUEL | CONTRACTOR'S JOB NUM | TOUR SHEET SERIAL NUM AKTA58_20050910_1F | VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

PASON

CODE NO. 1 RIGUP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OFF DRILL LINE | 10 DEV. SURVEY | 11 WIRELINE LOGS | 12 RUN CSG & CEMENT | 13 WAIT ON CEMENT | 14 NIPPLE UP B.O.P. | 15 TEST B.O.P. | 16 DRILLSTEM TEST | 17 PLUG BACK | 18 SQUEEZE CEMENT | 19 FISHING | 20 DIR. WORK | 21 SAFETY MEETING | 22 | 23 | 24 Drill Cement | 25 | 26

TIMES - HRS																											
	MORN					1.0	4.5																				
	DAY					3.5	2.75	0.25					1.25								0.25						
	EVE					1.0	5.5	0.25					1.0								0.25						
	TOTAL					5.50	12.75	0.50					2.25								0.50			2.50			

TOTALS	
	8.00
	8.00
	8.00
	24.00

SHALE SHAKER(S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC
SCREENS CHANGED	NO	NEW/USED
TOP	175	175
MIDDLE	175	175
BOTTOM	175	175

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	80	026	
ACCUM MJ	18	707	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	7.25		
TOTAL TOP DRIVE HRS	93.25		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 10
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER DAVE LAUCK | RIG NO. 58
PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2718

MORNING TOUR

NO. | DRILLING ASSEMBLY (AT END OF TOUR) | O.D. | LENGTH

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.24
1	MOTOR	159	8.37
1	X/O FLOAT	153	.34
1	X/O SUB	156	.36
1	NMDC	165	9.48
1	TRANSMITTER SUB	164	1.49
2	NMDC	169	18.53
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
74	D.P. STANDS		2123.16
	D.P. SINGLES		
KELLY DOWN			-17.6
TOTAL			2375.00
WT. OF D.C.	14		
WT. OF STRING	82		

BIT RECORD

BIT NO.	6A
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S206DX
SERIAL NO.	6034418
JETS	11.9 11.9 11.9
DEPTH OUT (m)	2375
DEPTH IN (m)	2322.7
TOTAL DRILLED (m)	52.30
TOTAL HRS RUN	4.5

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM 6400 | FILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

	200	400	600
TIME			
DENSITY (kg/m3)	1200		
FUNNEL VISCOSITY	58		
FLUID LOSS (cm3)			
pH			
	27.1		

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 | BOILER pH | STACK TEMP; 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa 7100 | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM 85

REDUCED PUMP SPEED @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2344	2375	D	25	4

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0230	2.50	24	Control Drill Cement f/2344m to 2375m (wob 4 daN)
0230	0330	1.00	5	Circ. Bottoms Up / Flow Check
0330	0730	4.00	6	Trip Out Of Hole/flow checked @ 2239m5stds./1250m40stds.
				269m @ HWDP & Out Of Hole
0730	0800	0.50	6	Trip In Hole Open Ended

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA A-2 Working @ Heights/D-47 Prepare The Drill Floor Tripping
D-5 Pull Out Of Hole

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC JSA Procedures & Rev | MEHL | MACP 11578

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS 2 | DRIVERS

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG				VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		JONATHAN GREEN	8			JG
LEASE HAND		BRIAN JULIAN	8			BJ

DAY TOUR

NO. | DRILLING ASSEMBLY (AT END OF TOUR) | O.D. | LENGTH

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
52	D.P. STANDS		2350.78
2	D.P. SINGLES		19.16
KELLY DOWN			4.63
TOTAL			2374.57
WT. OF D.C.			
WT. OF STRING			

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

	1200
TIME	
DENSITY (kg/m3)	1210
FUNNEL VISCOSITY	66
FLUID LOSS (cm3)	
pH	
PVT	25.8

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 | BOILER pH | STACK TEMP; 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM

REDUCED PUMP SPEED @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

1

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE FUNC. SHEAR RAMS 8 SEC.C/O 8 SEC.
815	1100	2.75	6	R.I.H OPEN ENDED
1100	1430	3.50	5	CONDITION MUD & CIRC.
1430	1545	1.25	12	RIG UP CEMENTERS
1545	1600	0.25	21	SAFETY MEETING ON RUNNING PLUGS
1600			12	CEMENT PLUG #2 F2375M-2220M

NOTES: CHECK CROWN SAVER, DEADMAN, FASTLINE CLAMP AND BRAKE LINKAGES
REVIEW JSAS ON D-1 RIG SERVICE DRAWWORKS, D-22 RIG SERVICE TOP DRIVE, R.I.H W/ T

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC JSA PROCEDURES | MEHL | MACP 11578

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS 29 | DRIVERS

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	12			MZ
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC

EVENING TOUR

NO. | DRILLING ASSEMBLY (AT END OF TOUR) | O.D. | LENGTH

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.24
1	BIT SUB w/FLOAT	170	1.22
1	X/O SUB	171	1.12
5	SPIRAL HWDP	127	46.00
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
	D.P. STANDS		
	D.P. SINGLES		
KELLY DOWN			
TOTAL			214.58
WT. OF D.C.			
WT. OF STRING			

BIT RECORD

BIT NO.	5A RR
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S206DX
SERIAL NO.	6034568
JETS	11.9 11.9 11.9
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 | BOILER pH | STACK TEMP; 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM

REDUCED PUMP SPEED @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1700	1.00	12	RUN CEMENT PLUGS
1700				11.71 TONNES OF .5%TLF-HT,.1%TDH, .5%TA-1, .8%CFR-10, .5% LTR @ 2100 KGM3
				PLUG BACK F2375M-2220M
1700	1800	1.00	6	PULL 10 STDS. D.P TO 2084M
1800	1900	1.00	5	CIRC. BOTTOMS UP
1900	1915	0.25	21	Pre-Tour Safety Meeting
1915	2215	3.00	6	Pull Out Of Hole/Flow Check @ 40stds.& Out Of Hole
2215	2230	0.25	7	Rig Service/Function Blind Rams 7sec. c/s
2230	2400	1.50	6	Run In Hole With Rotary Assembly to 752m

NOTES: CHECK CROWN SAVER, DEADMAN , FASTLINE CLAMPS AND BRAKE LINKAGES
REVIEW JSA ON G-33 RUN CEMENT PLUGS

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC RUN CEMENT PLUGS | MEHL | MACP 11578

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS 2 | DRIVERS

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	4			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG				VN
MOTOR HAND		DERWIN KOTCHEA	4			DK
FLOOR HAND		MOISE PUNCH	4			MP
FLOOR HAND		JONATHAN GREEN	4			JG
LEASE HAND		BRIAN JULIAN	4			BJ

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MILES PYRET	DAVE LAUCK

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

DPR	R.M.
MP	DL
MP	DL
MP	DL
MP	DL
MP	DL
MP	DL
	DL

YEAR 2005 | MONTH 9 | DAY 9

RIG NO. 58 — FUEL @ 08:00 HRS

RIG 127 | BOILER

WEATHER: TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE: | TIME:
RIG RELEASE: | TIME:
WELL TYPE: DIR. | RE-ENTRY: YES
OPERATOR'S AFE:
KELLY BSHG: 6.8 | OP FUEL:
CONTRACTOR'S JOB NUM:
TOUR SHEET SERIAL NUM: AKTA58_20050909_1D
VENDOR SOFTWARE VERSION: EDR 3-1-4 HF2 ETS 2.2

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 Time Drill	23 Tight Hole	24 Drill Cement	25	26
MORN																						8.0				
DAY						5.25	0.5													1.0		0.5	0.75				
EVE					1.5	3.75	0.25													0.25	0.25			2.0			
TOTAL					1.50	9.00	0.75													1.25	0.25	8.50	0.75	2.00			
TOTALS																				8.00		8.00				
																				8.00		8.00				
																				8.00		24.00				

SHALE SHAKER(S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED: NO | NEW USED:

	TOP	TOP	MIDDLE	MIDDLE	BOTTOM	BOTTOM
	175	175	175	175	175	175

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	73	944	
ACCUM MJ	12	626	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	15.5		
TOTAL TOP DRIVE HRS	86		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 9
OPERATOR: PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME: AKITA DRILLING LTD.
RIG MANAGER: DAVE LAUCK | RIG NO.: 58
PROVINCE: N.W.T. | CAMP: X YES NO | RIG SAFETY DAYS: 2717

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	.27	
1	MOTOR	159	8.37
1	X/O FLOAT	153	.34
1	X/O SUB	156	.36
1	NMDC	165	9.48
1	TRANSMITTER SUB	164	1.49
2	NMDC	169	18.53
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
72	D.P. STANDS		2065.93
	D.P. SINGLES		
	KELLY DOWN		-13.4
	TOTAL		2322.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

BIT RECORD

BIT NO.	5A
SIZE	216
IADC CODE	
MANUFACTURER	Halliburto
TYPE	TB26ST
SERIAL NO.	6034568
JETS	
DEPTH OUT (m)	2322
DEPTH IN (m)	2317.47
TOTAL DRILLED (m)	4.53
TOTAL HRS RUN	8.25

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	4dn 5up
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	200	400	600
DENSITY (kg/m3)	1170	1180	1180
FUNNEL VISCOSITY	58	58	58
FLUID LOSS (cm3)			
pH			
	31.1	30.9	30.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARAGEL 3000	4	SX
GILSTONITE	4	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
6200	152		152	90

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2318	2322	D	80	2

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0800	8.00	22	Time Drill 2318m to 2322M
0800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, brakes & Linkage
Review JSA I-4 Mix Mud/J-5 Service Fluid End Of Mud Pump/L-5 Vaccuum Operation

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	Mix Mud		12129

MORNING TOUR FROM 0 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		JONATHAN GREEN	8			JG
LEASE HAND		BRIAN JULIAN	8			BJ

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 1 — DRIVERS

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	0800	
DENSITY (kg/m3)	1180	
FUNNEL VISCOSITY	58	
FLUID LOSS (cm3)		
pH		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	75	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
6200	152		152	90

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2322	2322.72	D		12

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	830	0.50	22	TIME DRILL 2322M-2322.67M
830	845	0.25	6	PUMP PILL , TO PULL OUT
845	930	0.75	23	WORK TIGHT HOLE F/2315M-2288M PUMP OUT
930	1000	0.50	7	RIG SERVICE WORK ON T.D
1000	1500	5.00	6	P.O.O.H FOR BIT, DEGREE ON MOTOR FLOW CHECK, 5STD,@ 1100M ,310M OUT OF HOLE
1500	1600	1.00	20	DIR. WORK SET DEGREE CHANGE BIT
1600				

NOTES: CHECK CROWN SAVER , DEADMAN ANCOR, FASTLINE CLAMP AND BRAKELINKAGES
REVIEW JSA, D-5 P.O.O.H, D- 10 OPER. PIPE SPINNER,
TRIP RECORD CAL. 11.49 MEAS. 11.57 DIFF. .08

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	TRIPPING		12129

DAY TOUR FROM 800 TO 1600 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	12			MZ
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 28 — DRIVERS

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	2200	
DENSITY (kg/m3)	1200	
FUNNEL VISCOSITY	58	
FLUID LOSS (cm3)		
pH		
PVT	28.1	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARAGEL 3000	4	SX
GILSTONITE	4	SX
BARITE	42	SX
LIME	5	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7000	152		152	85

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2322.7	2344	D	25	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1615	0.25	7	RIG SERVICE FUNC. SHEAR RAMS ON BANK 7 SEC.C/O 7 SEC.
1615	1900	2.75	6	R.I.H FILL PIPE @ 600M,1200M,1800M
1900	1915	0.25	21	Pre-Tour Safety Meeting (Crew Change)
1915	2015	1.00	6	Trip In Hole f/1800m to 2306m
2015	2030	0.25	5	Brk. Circulation & Wash Down f/2306m to 2322.7m
2030	2045	0.25	20	Orient Directional Tools (attempt to sidetrack)
2045	2130	0.75	24	Control Drill Cement f/2322.7m to 2326m (wob 2 daN)
2130	2245	1.25	5	Circ. Bottoms Up Sample
2245	2400	1.25	24	Control Drill Cement f/2326m to 2344m (wob 4 daN)
2400				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA, D-6 trip In Hole With Top Drive/D-10 Operate Pipe Spinner

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	Tripping		11578

EVENING TOUR FROM 1600 TO 2400 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	4			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	4			VN
MOTOR HAND		DERWIN KOTCHEA	4			DK
FLOOR HAND		MOISE PUNCH	4			MP
FLOOR HAND		JONATHAN GREEN	4			JG
LEASE HAND		BRIAN JULIAN	4			BJ

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 1 — DRIVERS

BIT RECORD

BIT NO.	6A	
SIZE	216	
IADC CODE	5 1 7	
MANUFACTURER	HUGHES	
TYPE	MX-S206DX	
SERIAL NO.	6034418	
JETS	11.9	11.9
		11.9
DEPTH OUT (m)	2344	
DEPTH IN (m)	2322.7	
TOTAL DRILLED (m)	21.30	
TOTAL HRS RUN	2.0	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	12 up 7dn
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	.24	
1	MOTOR	159	8.37
1	X/O FLOAT	153	.34
1	X/O SUB	156	.36
1	NMDC	165	9.48
1	TRANSMITTER SUB	164	1.49
2	NMDC	169	18.53
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
73	D.P. STANDS		2094.49
	D.P. SINGLES		
	KELLY DOWN		-19.93
	TOTAL		2344.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MILES PYRET	DAVE LAUCK

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection	MP	DL
(2.) Detailed Inspection - Weekly (Using Check List)	MP	DL
(3.) H2S Signs Posted if Required	MP	DL
(4.) Well Licence & Stick Diagram Posted	MP	DL
(5.) Flare Lines Staked	MP	DL
(6.) BOP Drills Performed	MP	DL
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	MP	DL
(1.) Rig Site Health & Safety Meeting (ora/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (ora/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		DL

YEAR 2005 | MONTH 9 | DAY 8

RIG NO. 58 | FUEL @ 08:00 HRS

RIG 149 | BOILER

WEATHER: TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	DC/DP	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	DC	127								
	DP	127								
	DP	127								

	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE: | TIME:

RIG RELEASE: | TIME:

WELL TYPE: DIR. | RE-ENTRY: YES

OPERATOR'S AFE:

KELLY BSHG: 6.8 | OP FUEL:

CONTRACTOR'S JOB NUM:

TOUR SHEET SERIAL NUM: AKTA58_20050908_1D

VENDOR SOFTWARE VERSION: EDR_3-1-4 HF2 ETS 2.2

CAODC

PASON

TIMERS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		3.75			1.5	2.5	0.25																			8.00
DAY		6.75				0.75	0.25														0.25					8.00
EVE		0.25			0.5	6.25														0.75	0.25					8.00
TOTAL		10.75			2.00	9.50	0.50													0.75	0.50					24.00

SHALE SHAKER(S)

NO.	TYPE	SCREENS CHANGED	NEW USED
2	Derrick FLC	NO	

RENTALS / SERVICES

	TYPE	MORN	DAY	EVE
TOTAL MJ	Derrick FLC	70	070	
ACCUM MJ		87	52	
ACCUM OIL LEVEL		.32		
TOP DRIVE HRS		7		
TOTAL TOP DRIVE HRS		70.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: PARAMOUNT ET AL LIARD K-29A | YEAR: 2005 | MONTH: 9 | DAY: 8

OPERATOR: PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME: AKITA DRILLING LTD.

RIG MANAGER: DAVE LAUCK | RIG NO: 58

PROVINCE: N.W.T. | CAMP: YES / NO | RIG SAFETY DAYS: 2716

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	24	
1	MOTOR	159	8.37
1	X/O FLOAT	153	.34
1	X/O SUB	156	.36
1	NMDC	165	9.48
1	TRANSMITTER SUB	164	1.49
2	NMDC	169	18.53
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
72	D.P. STANDS		2065.93
	D.P. SINGLES		
KELLY DOWN			-26.37
TOTAL			2309.00
WT. OF D.C.		14	
WT. OF STRING		80	

BIT RECORD

BIT NO.	
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S206DX
SERIAL NO.	6034568
JETS	11.9 11.9 11.9
DEPTH OUT (m)	2317.47
DEPTH IN (m)	2307
TOTAL DRILLED (m)	10.47
TOTAL HRS RUN	3.75

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG:

TORQUE AT BOTTOM: 0

FILL ON BOTTOM (m): 0

MORNING TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	X
TIME			400		600
DENSITY (kg/m3)			1160		1150
FUNNEL VISCOSITY			60		58
FLUID LOSS (cm3)					
pH					
PVT			31.5		31.3

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2307	2309	D	80	.5

CIRCULATION PRESSURE kPa: 6400

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152	80	152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0230	2.50	6	Trip In Hole with Directional Tools to 2287m
0230	0245	0.25	7	Rig Service/Function Top Pipe Rams 6 sec c/s
0245	0415	1.50	5	Wash Down From 2287m to 2307m (Tag Cement @ 2307m)
0415	800	3.75	2	Time Drill f/2307m to 2309m
800				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA D-6 Trip In Hole with Top Drive/D-18 install p/u Subs In Stump

SPECIAL EVENT: | TIME / DEPTH: | SAFETY TOPIC: Tripping | MEHL | MACP: 12490

MORNING TOUR | FROM 0 | TO 800 | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		JONATHAN GREEN	8			JG
LEASE HAND		BRIAN JULIAN	8			BJ

RATE SCHEDULE | REGULAR | REPAIR: X | INVERT

CREW SAFETY DAYS | DRIVERS

DAY TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	
TIME		700		1200	
DENSITY (kg/m3)		1150		1180	
FUNNEL VISCOSITY		60		57	
FLUID LOSS (cm3)					
pH					
PVT		32.2		31.7	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARAGEL 3000	3	SX
GILSTONITE	3	SX
Q-Wet	1	BBL
Q-mul2	1	BBL
BARITE	115	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2309	2317.47	D	0	2

CIRCULATION PRESSURE kPa: 6400

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152	80	152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MARK ZAHODA

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1445	6.75	2	TIME DRILL 2309M-2317M
1445	1500	0.25	7	RIG SERVICE FUNC. ANNULAR 28 SEC. C/O 28 SEC.
1500	1515	0.25	21	SAFETY MEETING BOP DRILL WHILE DRILLING
1515	1600	0.75	6	PUMP PILL P.O.O.H @ 2317.47M FLOW CHECK @ 2174M
1600				

NOTES: CHECK CROWNSAVER, DEADMAN, FASTLINE CLAMP AND BRAKE LINKAGES

JSA S REVIEWED M-15 BOP DRILL,F-4 P.O.O.H F- 23 OPER. PIPE SPINNER

SPECIAL EVENT: | TIME / DEPTH: | SAFETY TOPIC: BOP DRILL | MEHL | MACP

DAY TOUR | FROM 800 | TO 1600 | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	12			MZ
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 27 | DRIVERS

EVENING TOUR

MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	X
TIME					
DENSITY (kg/m3)					1150
FUNNEL VISCOSITY					
FLUID LOSS (cm3)					
pH					

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	30	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2317.47	2318	D	80	2.5

CIRCULATION PRESSURE kPa: 6200

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	90

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1900	3.00	6	P.O.O.H FLOW CHECK @ 1335M AND BEFORE BHA @ 299M
1900	1915	0.25	21	SAFETY MEETING PRIOR TO CREW CHANGE
1915	2000	0.75	20	Set Motor To 2.38 deg. & Put On Sidetrack Bit
2000	2315	3.25	6	Trip In Hole to 2306m (fill pipe every 600m)
2315	2345	0.50	5	Brk. Circulation & Wash Down to
2345	2400	0.25	2	Time Drill f/2317.47m to 2318m
2400				
				Trip Record
				Cal.= 11.49m^3
				Mea.= 12.25m^3
				Diff.= 0.76M^3

NOTES: Checked; Crown saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA A-10 Tripping (derrickhand)/D-10 Operate Pipe Spinner

SPECIAL EVENT: | TIME / DEPTH: | SAFETY TOPIC: Tripping | MEHL | MACP: 12490

EVENING TOUR | FROM 1600 | TO 2400 | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	4			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	4			VN
MOTOR HAND		DERWIN KOTCHEA	4			DK
FLOOR HAND		MOISE PUNCH	4			MP
FLOOR HAND		JONATHAN GREEN	4			JG
LEASE HAND		BRIAN JULIAN	4			BJ

RATE SCHEDULE | REGULAR | REPAIR: X | INVERT

CREW SAFETY DAYS | DRIVERS

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	27	
1	MOTOR	159	8.37
1	X/O FLOAT	153	.34
1	X/O SUB	156	.36
1	NMDC	165	9.48
1	TRANSMITTER SUB	164	1.49
2	NMDC	169	18.53
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
72	D.P. STANDS		2065.93
	D.P. SINGLES		
KELLY DOWN			-17.4
TOTAL			2318.00
WT. OF D.C.		14	
WT. OF STRING		82	

BIT RECORD

BIT NO.	4 A	5A
SIZE	216	216
IADC CODE	5 1 7	
MANUFACTURER	HUGHES	Halliburto
TYPE	MX-S206DX	TB26ST
SERIAL NO.	6034568	6034568
JETS	11.9 11.9 11.9	
DEPTH OUT (m)	2317.47	2318
DEPTH IN (m)	2307	2317.47
TOTAL DRILLED (m)	10.47	0.53
TOTAL HRS RUN	10.5	.25

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG: 4 dn 5up

TORQUE AT BOTTOM: 0

FILL ON BOTTOM (m): 0

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MILES PYRET	DAVE LAUCK

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	QPR	R.M.
MP	DL	
MP	DL	
MP	DL	
MP	DL	
MP	DL	
MP	DL	
		DL

YEAR 2005 MONTH 9 DAY 7
RIG NO. 58
FUEL @ 08:00 HRS
RIG 168 BOILER
TEMPERATURE 9
CURRENT CONDITIONS CLEAR
WIND DIRECTION N.E.
ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050907_1E		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 Drill Cement	23	24	25	26	TOTALS
MORN						7.0	0.25		0.75																		8.00
DAY					4.0	1.5	0.25															2.25					8.00
EVE					0.75	5.5	0.25													1.25	0.25						8.00
TOTAL					4.75	14.00	0.75		0.75											1.25	0.25	2.25					24.00

SHALE SHAKER(S)			RENTALS / SERVICES	MORN	DAY	EVE
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	64	949	
SCREENS CHANGED NO	NEW/USED		ACCUM MJ	36	31	
TOP 175	TOP 175	TOP 175	ACCUM OIL LEVEL	.32		
MIDDLE 175	MIDDLE 175	MIDDLE 175	TOP DRIVE HRS	4		
BOTTOM 175	BOTTOM 175	BOTTOM 175	TOTAL TOP DRIVE HRS	63.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	7
OPERATOR: PARAMOUNT RESOURCES LTD.	CONTRACTOR NAME: AKITA DRILLING LTD.		
RIG MANAGER: DAVE LAUCK		RIG NO: 58	
PROVINCE: N.W.T.	CAMP: X YES / NO	RIG SAFETY DAYS: 2715	

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.24	
1	BIT SUB w/FLOAT	170	1.22
1	X.O.	171	1.12
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		233.21
	WT. OF D.C.		
	WT. OF STRING	75	

BIT RECORD

BIT NO.	
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S206DX
SERIAL NO.	6034568
JETS	11.9 11.9 11.9
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	300	3.00	6	Trip Out OF Hole/Flow Checked 1553m & out of hole
300	315	0.25	7	Rig Service/Function Blind Rams 7sec. c/s
315	530	2.25	6	Strap & Pick Up Spiral HWDP/Run BHA In Hole
530	615	0.75	9	Cut & Slip 20m Drill Line
615	800	1.75	6	Trip In Hole (strap pipe)

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-5 Pull Out Of Hole/D-21 Strap Stands In Derrick

SPECIAL EVENT				SAFETY TOPIC	MEH.	MACP
TIME / DEPTH				Tripping		13588

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO	INJURIES
DRILLER		ALLAN LICKOCH	8			AL	
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN	
MOTOR HAND		DERWIN KOTCHEA	8			DK	
FLOOR HAND		MOISE PUNCH	8			MP	
FLOOR HAND		JONATHAN GREEN	8			JG	
LEASE HAND		BRIAN JULIAN	8			BJ	

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS | DRIVERS

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☒

TIME	1200	1400	1630
DENSITY (kg/m3)	1130	1120	1140
FUNNEL VISCOSITY	63	64	65
FLUID LOSS (cm3)			
pH			
pvt	33.5	33.2	30.7

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	93	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
4500	152	80	152	

REDUCED PUMP SPEED

1500 @ 40 @ 2247

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2180	2290	D	80	8

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	900	1.00	6	strap in hole to polish plug
900	915	0.25	7	RIG SERVICE func. pipe rams 8sec c/o 8 sec.
915	945	0.50	6	r.i.h strap into 2180m
945	1015	0.50	22	drill green cement f/2180m- 2247m
1015	1415	4.00	5	circ. wait on cement
1415	1600	1.75	22	drill out cement f/ 2247m - 2290m
1600				

NOTES: check deadman , fastline clamp ,crown saver and brake linkages check valves,bops
and manifold shack
review jsas on f-11 r.i.h w/ t.d f-23 oper. pipe spinner , f-8 rig service w/t.d
greased crown and blocks

SPECIAL EVENT				SAFETY TOPIC	MEH.	MACP
TIME / DEPTH				r.i.h		

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO	INJURIES
DRILLER		MARK ZAHODA	12			MZ	
ASSIST DRILLER		KEVIN LAUCK	12			KL	
DERRICK HAND		DOUG CHRISTIE	12			DC	
MOTOR HAND		KENNETH LAUCK	12			KL	
FLOOR HAND		BILL HETHERINGTON	12			BH	
FLOOR HAND		MOSES LORD	12			ML	
LEASE HAND		FREDDY CARPENTER	12			FC	

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS: 26 | DRIVERS

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.24	
1	MOTOR	159	8.37
1	X/O FLOAT	153	.34
1	X/O SUB	156	.36
1	NMDC	165	9.48
1	TRANSMITTER SUB	164	1.49
2	NMDC	169	18.53
7	SPIRAL HWDP	160	64.63
1	X.O.	156	.44
1	JAR	166	5.20
1	X.O.	160	.50
17	H.W.D.P.	127	159.86
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		269.44
	WT. OF D.C.	14	
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	216
IADC CODE	5 1 7
MANUFACTURER	HUGHES
TYPE	MX-S206DX
SERIAL NO.	6034568
JETS	11.9 11.9 11.9
DEPTH OUT (m)	
DEPTH IN (m)	2290
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2290				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1645	0.75	5	circ. up sample
1645	1700	0.25	7	RIG SERVICE FUNC. MI CHOKE
1700	1900	2.00	6	p.o.o.h. for directional
1900	1915	0.25	21	SAFETY MEETING PRIOR TO CREW CHANGE
1915	2115	2.00	6	Pull out Of Hole f/1106m Flow Check @ 30stds.,HWDP,Out Of Hole
2115	2230	1.25	20	Pick Up Directional Tools
2230	2400	1.50	6	Run In Hole to 613m (fill pipe every 600m)
				Trip Record
				Cal.=11.50m^3
				Mea.= 11.59m^3
				Diff.= 0.09m^3

NOTES: CHECK CROWN SAVER ,DEADMAN , FASTLINE CLAMP AND BRAKE LINKAGES
Review JSA D-5 Pull Put Of Hole/A-2 Worklink @ Heights

SPECIAL EVENT				SAFETY TOPIC	MEH.	MACP
TIME / DEPTH				P.O.O.H		13588

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO	INJURIES
DRILLER		ALLAN LICKOCH	4			AL	
DERRICK HAND		VIRGIL NANAQUAWETUNG	4			VN	
MOTOR HAND		DERWIN KOTCHEA	4			DK	
FLOOR HAND		MOISE PUNCH	4			MP	
FLOOR HAND		JONATHAN GREEN	4			JG	
LEASE HAND		BRIAN JULIAN	4			BJ	

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS | DRIVERS

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MILES PYRET	DAVE LAUCK

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection	MP	GP
(2.) Detailed Inspection - Weekly (Using Check List)	MP	GP
(3.) H2S Signs Posted if Required	MP	GP
(4.) Well Licence & Stick Diagram Posted	MP	GP
(5.) Flare Lines Staked	MP	GP
(6.) BOP Drills Performed	MP	GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	MP	GP
(1.) Rig Site Health & Safety Meeting (ona/crew/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		GP
(5.) Motor Kills Checked		

YEAR 2005 | MONTH 9 | DAY 6

RIG NO. 58

FUEL @ 08.00 HRS

RIG	BOILER
115	

WEATHER: TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

DC/DP	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DRILL STRING

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	155	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050906_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4 HF2 ETS 2.2		

CAODC

PASON

TIME BREAKDOWN

CODE NO. 1 RIGUP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OFF DRILL LINE | 10 DEV. SURVEY | 11 WIRELINE LOGS | 12 RUN CSG & CEMENT | 13 WAIT ON CEMENT | 14 NIPPLE UP B.O.P. | 15 TEST B.O.P. | 16 DRILLSTEM TEST | 17 PLUG BACK | 18 SQUEEZE CEMENT | 19 FISHING | 20 DIR. WORK | 21 SAFETY MEETING | 22 | 23 | 24 | 25 | 26

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
MORN						6.0													2.0							
DAY					1.25	3.75	0.25	1.5									3.0		1.0		0.25					
EVE					2.75	1.5	0.5														0.25					
TOTAL					4.00	11.25	0.75	1.50									3.00		3.00		0.50					

TOTALS	SHALE SHAKER(S) NO. 2	TYPE Derrick FLC	TYPE Derrick FLC	RENTALS / SERVICES	MORN	DAY	EVE
8.00	SCREENS CHANGED	NO	NEW/ USED	TOTAL MJ	60	281	
8.00	TOP 175	TOP 175		ACCUM MJ	18	884	
8.00	MIDDLE 175	MIDDLE 175		ACCUM OIL LEVEL	.32		
24.00	BOTTOM 175	BOTTOM 175		TOP DRIVE HRS	4		
				TOTAL TOP DRIVE HRS	59.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	6

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2714

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
1	Wash Over Shoe		.92
6	Wash Over Pipe		53.75
1	Drive Sub/w/float		.80
1	HYDRAULIC JAR	163	2.75
1	SPIRAL HWDP	161	18.44
17	H.W.D.P.	127	159.86
78	D.P.	STANDS	
2	D.P.	SINGLES	2255.71
KELLY DOWN			-13.03
TOTAL			2479.20
WT. OF D.C.		12	
WT. OF STRING		80	

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | OOC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM 12500 | FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD: MUD TYPE HT 40 | WATER BASED | OIL BASED X

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	
PVT.m3	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	168	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa: 3470

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152	80	152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	200	2.00	19	Wash Down With Wash Over Pipe to 2479.2m
200	800	6.00	6	Trip Out Of Hole - Flow Check, 2343m (5 stds),1201m (45 stds) 234m (78 stds)
800				Flow Check Out Of Hole
				Trip Record
				Cal.= 10.55m^3
				Mea.= 11.14m^3
				Diff.= 0.59M^3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-14 WASH RIG, D-S P.O.O.H

SPECIAL EVENT		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH		TRIPPING		13678

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 25

DRIVERS: KEVIN VANDENBRAND

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	10			KV
DERRICK HAND		SHAWN WATSON	10			SW
MOTOR HAND		GREG ST.ARNAUD	10			GS
FLOOR HAND		JUSTIN MILLER	10			JM
FLOOR HAND		JASON SMITH	10			JS
LEASE HAND		DAVID FRANKLIN	10			DF

INJURIES

DAY TOUR

MUD RECORD: MUD TYPE | WATER BASED | OIL BASED

TIME	800
DENSITY (kg/m3)	1150
FUNNEL VISCOSITY	75
FLUID LOSS (cm3)	
pH	
pvt	11

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa: 2200

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152	80	152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	0815	0.25	21	Pre-Tour Safety Meeting
0815	0830	0.25	7	Rig Service/Functio Blind Rams 7sec. c/s
0830	930	1.00	19	FISHING RIG OUT FISHERMEN
930	1100	1.50	6	Trip In Hole Open Ended to 1362m
1100	1230	1.50	8	Change Water Hose In Drawworks Brake Drum (JSA # D-33)
1230	1445	2.25	6	Trip In Hole to 2425m
1445	1600	1.25	5	CONDITION MUD & CIRC.
1600				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA A-2 Working @ Heights/A-10 Tripping (Derrickhand)
C-5 Picker Work Wandling Tubulars/D-47 Prepare The Floor For Trip

SPECIAL EVENT		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH		Tripping		13588

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 25

DRIVERS: KEVIN VANDENBRAND

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	10			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	10			VN
MOTOR HAND		DERWIN KOTCHEA	10			DK
FLOOR HAND		MOISE PUNCH	10			MP
FLOOR HAND		JONATHAN GREEN	10			JG
LEASE HAND		BRIAN JULIAN	10			BJ

INJURIES

EVENING TOUR

MUD RECORD: MUD TYPE | WATER BASED | OIL BASED

TIME	1600
DENSITY (kg/m3)	1140
FUNNEL VISCOSITY	63
FLUID LOSS (cm3)	
pH	
pvt	18

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa:

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MARK ZAHODA

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1630	0.50	7	RIG SERVICE func. annular 24 sec c/o 24 sec.
1630	1800	1.50	5	CONDITION MUD & CIRC.
1800	1900	1.00	17	rig in cementers
1900	1915	0.25	21	SAFETY MEETING on running plugs
1915	2115	2.00	17	rig in cement head pressure test, cement with trican. run an abbandonment plug
2115				ontop of the fish from 2435m-2220m with 12.45t of thermal 40 ft st john
				+.5%TLF-HT + .3% THR-100 + .5% TA-1 + .5% CFR-10 @ 1876 KGM3
2115	2200	0.75	6	pull 10 stds. to 2122m
2200	2315	1.25	5	circ. up 5 m3 preflush
2315	2400	0.75	6	p.o.o.h to tag plug with bit

NOTES: check brake linkages , crown saver , fastline clamp and deadman bolts
review j-33 cement plugs ,f-4 p.o.o.h and f-23 run pipe spinner

SPECIAL EVENT		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH		p.o.o.h		

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 25

DRIVERS: KEVIN VANDENBRAND

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MARK ZAHODA	8			MZ
ASSIST DRILLER		KEVIN LAUCK	8			KL
DERRICK HAND		DOUG CHRISTIE	8			DC
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

INJURIES

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	**UNIQUE ID**
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
MILES PYRET	GARY PATRICK (RM)

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection	MP	GP
(2.) Detailed Inspection - Weekly (Using Check List)	MP	GP
(3.) H2S Signs Posted if Required	MP	GP
(4.) Well Licence & Stick Diagram Posted	MP	GP
(5.) Flare Lines Staked	MP	GP
(6.) BOP Drills Performed	MP	GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	MP	GP
(1.) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		GP
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 | MONTH 9 | DAY 5

RIG NO. 58

FUEL @ 08:00 HRS

RIG 134 | BOILER

WEATHER — TEMPERATURE 9 | CURRENT CONDITIONS CLEAR | WIND DIRECTION N.E. | ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	155	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE DIR.	RE-ENTRY YES
OPERATOR'S AFE	
KELLY BSHG 6.8	OP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050905_1D
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 BOP Drill	23	24	25	26	TOTALS
MORN																			8.0							8.00
DAY						5.5	0.25												1.75		0.25	0.25					8.00
EVE					1.0	3.25													3.5		0.25						8.00
TOTAL					1.00	8.75	0.25												13.25		0.50	0.25					24.00

SHALE SHAKER(S)			
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC	
SCREENS CHANGED	NO	NEW USED	
TOP	175	175	TOP
MIDDLE	175	175	MIDDLE
BOTTOM	175	175	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
TOTAL MJ	56	005	
ACCUM MJ	14	608	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	3		
TOTAL TOP DRIVE HRS	59.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	5

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
GARY PATRICK (RM)	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2713

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
1	SCREW IN SUB		1.01
1	Huwitt Sub		.92
1	Bumper Jar		2.7
1	HYDRAULIC JAR	163	2.75
1	SPIRAL HWDP	161	9.22
17	H.W.D.P.	127	159.86
78	D.P. STANDS		
2	D.P. SINGLES		2255.71
	KELLY DOWN		
	TOTAL		2432.17
	WT. OF D.C.	12	
	WT. OF STRING	80	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE HT 40	WATER BASED ☐	OIL BASED X
TIME		100
DENSITY (kg/m3)		1100
FUNNEL VISCOSITY		76
FLUID LOSS (cm3)		10
pH		5.7
PVT,m3		

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0 | 0

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

152 | 152

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	115	1.25	19	Run In Wireline With Stringshot - Attempt To Back off @ 2475m (failed)
115	200	0.75	19	Pull Out Wireline
200	315	1.25	19	Run In With Stringshot, Attempt To Back Off @ 2465.88m, Pull Out
				Back off @ 2427m - Make Back Up
315	530	2.25	19	Run In With Stringshot To Make Up Connection, Pull Out
530	800	2.50	19	Run In With Stringshot To Attempt To Back off @ 2465.88m, Pull Out
800				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	STRINGSHOT		13679

RATE SCHEDULE	REGULAR	REPAIR X	INVERT

CREW SAFETY DAYS	DRIVERS
24	KEVIN VANDENBRAND

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

INJURIES

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
1	Wash Over Shoe		92
6	Wash Over Pipe		53.75
1	Drive Sub/w/float		.80
1	HYDRAULIC JAR	163	2.75
1	SPIRAL HWDP	161	18.44
17	H.W.D.P.	127	159.86
78	D.P. STANDS		
2	D.P. SINGLES		2255.71
	KELLY DOWN		
	TOTAL		2583.31
	WT. OF D.C.	12	
	WT. OF STRING	80	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE	WATER BASED ☐	OIL BASED ☐
TIME		
DENSITY (kg/m3)		
FUNNEL VISCOSITY		
FLUID LOSS (cm3)		
pH		

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

152 | 152

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	1000	1.75	19	Run In With Stringshot/Back Off @ 2457m/Rig Out Wireline
1000	1230	2.50	6	Trip Out Of Hole/flow check @ 2265m 5stds/986m 50stds.
1230	1245	0.25	22	B.O.P. Drill While Tripping/Well Secure In 50sec.
1245	1500	2.25	6	Trip Out Of Hole/Flow Check @ HWDP & Out Of Hole
1500	1515	0.25	7	Rig Service/Function Blind Rams 7sec. c/s
1515	1600	0.75	6	P/U Wash Over Pipe & Make Up BHA
				Trip Record
				Cal.= 10.54m^3
				Mea.= 10.89m^3
				Diff.= 0.35m^3

NOTES: Checked: Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA L-2 Scrubbing In Sub/M-15 BOP Drill/P-5 Handling Oil Drums

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	BOP Drill		13679

RATE SCHEDULE	REGULAR	REPAIR X	INVERT

CREW SAFETY DAYS	DRIVERS
24	ALLAN LICKOCH

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		JONATHAN GREEN	12			JG
LEASE HAND		BRIAN JULIAN	12			BJ

INJURIES

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
1	Wash Over Shoe		92
6	Wash Over Pipe		53.75
1	Drive Sub/w/float		.80
1	HYDRAULIC JAR	163	2.75
1	SPIRAL HWDP	161	18.44
17	H.W.D.P.	127	159.86
78	D.P. STANDS		
2	D.P. SINGLES		2255.71
	KELLY DOWN		-13.03
	TOTAL		2479.20
	WT. OF D.C.	12	
	WT. OF STRING	80	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM 10000 | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE HT 40	WATER BASED ☐	OIL BASED X
TIME		2300
DENSITY (kg/m3)		1120
FUNNEL VISCOSITY		73
FLUID LOSS (cm3)		10
pH		5.6
PVT,m3		19.0

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

3500 | 152 | 80 | 152

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1830	2.50	6	Trip In Hole to 1845m /Flow check
1830	1900	0.50	5	Circulate Bottoms Up
1900	1915	0.25	21	PRE-TOUR SAFETY MEETING
1915	2000	0.75	6	Trip In Hole
2000	2100	1.00	19	Wash Down With Wash Pipe From 2445m - Tag @ 2467m (Fish Top @ 2456.5m)
2100	2130	0.50	5	Circulate Out Trip Gas
2130	2400	2.50	19	Wash Down With Wash Pipe to 2479.2m

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA3# D-6 TRIP IN HOLE

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	TRIPPING		13679

RATE SCHEDULE	REGULAR	REPAIR X	INVERT

CREW SAFETY DAYS	DRIVERS
24	KEVIN VANDENBRAND

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		JASON SMITH	4			JS
LEASE HAND		DAVID FRANKLIN	4			DF

INJURIES

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MILES PYRET	GARY PATRICK (RM)

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection	MP	GP
(2.) Detailed Inspection - Weekly (Using Check List)	MP	GP
(3.) H2S Signs Posted if Required	MP	GP
(4.) Well Licence & Stick Diagram Posted	MP	GP
(5.) Flare Lines Staked	MP	GP
(6.) BOP Drills Performed	MP	GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	MP	GP
(1.) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		GP
(5.) Motor Kills Checked		

YEAR 2005 MONTH 9 DAY 4

RIG NO. 58

FUEL @ 08:00 HRS

RIG 149 BOILER

WEATHER: TEMPERATURE 11; CURRENT CONDITIONS CLEAR; WIND DIRECTION S.W.; ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	155	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE: TIME:
RIG RELEASE: TIME:
WELL TYPE: DIR. RE-ENTRY: YES
OPERATOR'S AFE:
KELLY BSHG: 6.8 OP FUEL:
CONTRACTOR'S JOB NUM:
TOUR SHEET SERIAL NUM: AKTA58_20050904_1E
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN					1.0	4.5													2.25		0.25						8.00
DAY					0.75	4.5	0.25												2.25		0.25						8.00
EVE																			7.5		0.5						8.00
TOTAL					1.75	9.00	0.25												12.00		1.00						24.00

SHALE SHAKER(S)

NO.	TYPE	NO.	TYPE
2	Derrick FLC	1	Derrick FLC

SCREENS CHANGED: NO NEW USED:

TOP 175 MIDDLE 175 BOTTOM 175 | TOP 175 MIDDLE 175 BOTTOM 175

RENTALS / SERVICES	MORN	DAY	EVE
TOTAL MJ	47	781	
ACCUM MJ		6384	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	0		
TOTAL TOP DRIVE HRS	105.0		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 4
OPERATOR: PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME: AKITA DRILLING LTD.
RIG MANAGER: GARY PATRICK (RM) | RIG NO: 58
PROVINCE: N.W.T. | CAMP: X YES NO | RIG SAFETY DAYS: 2712

MORNING TOUR — FROM 0 TO 800

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	WASH PIPE SHOE		.92
1	4-JT WASH PIPE		35.12
1	DRIVE BUSHING		.80
1	HYDRAULIC JAR	163	2.75
1	SPIRAL HWDP	161	9.22
17	H.W.D.P.	127	159.86
78	D.P.	STANDS	
2	D.P.	SINGLES	2255.71
KELLY DOWN			
TOTAL			2464.38
WT. OF D.C.	31		
WT. OF STRING	75		

BIT RECORD

BIT NO.; SIZE; IADC CODE; MANUFACTURER; TYPE; SERIAL NO.; JETS; DEPTH OUT (m); DEPTH IN (m); TOTAL DRILLED (m); TOTAL HRS RUN

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG; TORQUE AT BOTTOM: 6500; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE	HT 40	WATER BASED	OIL BASED X
TIME		330	
DENSITY (kg/m3)		1080	
FUNNEL VISCOSITY		78	
FLUID LOSS (cm3)			
pH			
PVT.m3		17.2	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	128	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa: 3166 | PUMP NO. 1 LINER SIZE: 152 SPM: 80 | PUMP NO. 2 LINER SIZE: 152 SPM:

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	SAFETY MEETING - B.O.P DRILL Well Secure In 60 sec.
15	115	1.00	6	Trip In Hole To 2416m
115	330	2.25	19	Wash Down f/ 2416m With Wash Pipe, Tag @ 2438m, Wash To 2465m
330	430	1.00	5	Circulate Bottoms Up
430	800	3.50	6	Trip Out Of Hole - Flow Check @ 2295m (5 stds)

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # M-15 B.O.P DRILL, G-24 CIRCULATING

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
B.O.P DRILL		14499

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 23

DRIVERS: KEVIN VANDENBRAND

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

DAY TOUR — FROM 800 TO 1600

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	SCREW IN SUB		1.01
1	Huwitt Sub		.92
1	Bumper Jar		2.7
1	HYDRAULIC JAR	163	2.75
1	SPIRAL HWDP	161	9.22
17	H.W.D.P.	127	159.86
78	D.P.	STANDS	
2	D.P.	SINGLES	2255.71
KELLY DOWN			
TOTAL			2432.17
WT. OF D.C.	12		
WT. OF STRING	80		

BIT RECORD

BIT NO.; SIZE; IADC CODE; MANUFACTURER; TYPE; SERIAL NO.; JETS; DEPTH OUT (m); DEPTH IN (m); TOTAL DRILLED (m); TOTAL HRS RUN

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE	HT 40	WATER BASED	OIL BASED X
TIME		1400	
DENSITY (kg/m3)		1095	
FUNNEL VISCOSITY		76	
FLUID LOSS (cm3)			
pH			
PVT		18.6	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	43	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE: 152 SPM | PUMP NO. 2 LINER SIZE: 152 SPM

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2520				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	1000	1.75	6	Trip Out Of Hole (flow checked @ HWDP & Out Of Hole
1000	1015	0.25	7	Rig Service/Functio Blind Rams 6sec. c/s
1015	1300	2.75	6	Trip In Hole to 2427m
1300	1345	0.75	5	Circulate Bottoms Up
1345	1415	0.50	19	Jar On Fish With Top Drive Screwed In (160 daN)
1415	1530	1.25	19	Rig In Wireline Run #1 String Spud
1530	1600	0.50	19	Run #2 Freepoint

NOTES: Checked Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-5 P.O.O.H./D-6 Trip In Hole w/Top Drive
D-8 Dog Collar Used/D-10 Operate Pipe Spinner

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Tripping		13679

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 23

DRIVERS: ALLAN LICKOCH

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		JONATHAN GREEN	12			JG
LEASE HAND		BRIAN JULIAN	12			BJ

EVENING TOUR — FROM 1600 TO 2400

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	SCREW IN SUB		1.01
1	Huwitt Sub		.92
1	Bumper Jar		2.7
1	HYDRAULIC JAR	163	2.75
1	SPIRAL HWDP	161	9.22
17	H.W.D.P.	127	159.86
78	D.P.	STANDS	
2	D.P.	SINGLES	2255.71
KELLY DOWN			
TOTAL			2432.17
WT. OF D.C.	12		
WT. OF STRING	80		

BIT RECORD

BIT NO.; SIZE; IADC CODE; MANUFACTURER; TYPE; SERIAL NO.; JETS; DEPTH OUT (m); DEPTH IN (m); TOTAL DRILLED (m); TOTAL HRS RUN

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE	HT 40	WATER BASED	OIL BASED X
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			
PVT.m3			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE: 152 SPM | PUMP NO. 2 LINER SIZE: 152 SPM

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1715	1.25	19	Run #2 Freepoint (wireline tool failed)
1715	1900	1.75	19	Run #3 Freepoint - Free @ 2485m. (between the NMDC)
1900	1915	0.25	21	PRE-TOUR SAFETY MEETING
1915	1945	0.50	19	Laydown Freepoint Tools
1945	2000	0.25	21	SAFETY MEETING With Wireline Operators
2000	2045	0.75	19	Run In w/ Stringshot - Make Up Connection
2045	2330	2.75	19	Run In w/ Stringshot - Attempt To Back off 2485.5m(failed)
2330	2400	0.50	19	Pull Out With Wireline
2400				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-37 RUNNING STRINGSHOT W/ WIRELINE

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
WIRELINE		13679

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 23

DRIVERS: KEVIN VANDENBRAND

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		JASON SMITH	4			JS
LEASE HAND		DAVID FRANKLIN	4			DF

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MILES PYRET	GARY PATRICK (RM)

DAILY CHECKS (OPR / R.M.)

(1.) Daily Walk Around Inspection — MP GP
(2.) Detailed Inspection - Weekly (Using Check List) — MP GP
(3.) H2S Signs Posted if Required — MP GP
(4.) Well Licence & Stick Diagram Posted — MP GP
(5.) Flare Lines Staked — MP GP
(6.) BOP Drills Performed — MP GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines — MP GP

(1.) Rig Site Health & Safety Meeting (one/crew/month) — GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month) — GP
(3.) Mast Inspection before Raising or Lowering — GP
(4.) Crown Saver Checked — GP
(5.) Motor Kills Checked — GP

YEAR 2005 | MONTH 9 | DAY 3
RIG NO. 58
FUEL @ 08:00 HRS: RIG 175 | BOILER
WEATHER: TEMPERATURE 2 | CURRENT CONDITIONS CLEAR | WIND DIRECTION CALM | ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	155	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE: | TIME:
RIG RELEASE: | TIME:
WELL TYPE: DIR. | RE-ENTRY: YES
OPERATOR'S AFE:
KELLY BSHG: 6.8 | OP FUEL:
CONTRACTOR'S JOB NUM:
TOUR SHEET SERIAL NUM: AKTA58_20050903_1D
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 Inspect Derrick	23 Handle Tools	24 choke	25	26	TOTALS
MORN						5.75			1.0										1.25								8.00
DAY					0.75	2.25	0.25												3.75		0.25	0.75					8.00
EVE					0.5	5.25	0.25														0.25		1.5	0.25			8.00
TOTAL					1.25	13.25	0.50		1.00										5.00		0.50	0.75	1.50	0.25			24.00

SHALE SHAKER(S): NO. 2 | TYPE Derrick FLC | SCREENS CHANGED NO | TYPE Derrick FLC | NEW USED

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	47	781	
ACCUM MJ		6384	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	0		
TOTAL TOP DRIVE HRS	105.0		

TOP 175 | MIDDLE 175 | BOTTOM 175

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 3
OPERATOR: PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME: AKITA DRILLING LTD.
RIG MANAGER: GARY PATRICK (RM) | RIG NO. 58
PROVINCE: N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2711

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
1	S.I.S		1.01
1	hewit sub		.92
1	BJ SUB		2.70
1	HYDRAULIC JAR	163	1.46
1	SPIRAL HWDP	161	9.30
17	H.W.D.P.	127	159.86
78	D.P. STANDS		
1	D.P. SINGLES		2246.29
	KELLY DOWN		
	TOTAL		2421.54
	WT. OF D.C.	31	
	WT. OF STRING	96	

BIT RECORD

BIT NO.	3	
SIZE	216	
IADC CODE		
MANUFACTURER	HUGHES	
TYPE	MX-30G	
SERIAL NO.	6037749	
JETS	11.9	11.9
	11.9	
DEPTH OUT (m)	2520	
DEPTH IN (m)	2463	
TOTAL DRILLED (m)	57.00	
TOTAL HRS RUN	10.5	

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MORNING TOUR — MUD RECORD

MUD TYPE: HT 40 | WATER BASED | OIL BASED X

TIME	
DENSITY (kg/m3)	1030
FUNNEL VISCOSITY	64
FLUID LOSS (cm3)	
pH	
PVT,m3	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0 | 0

BOILERS: 1 | 2 — HRS RUN 0 | 0 — BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1520				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	145	1.75	6	Trip Out Of Hole- Flow Check @ HWDP
145	245	1.00	9	Slip & Cut 20m Drill Line
245	330	0.75	6	Trip Out Of Hole - Flow Check Out Of Hole-Function Test Blind Rams 6 sec/cls
				Pulled out with 2 spiral HWDP . Laid down bottom spiral HWDP.
330	445	1.25	19	Make Up Fishing Tools
445	800	3.25	6	Trip In Hole w/ Fishing Tools
				Trip Record Cal = 10.93m3
				Mea = 11.47m3
				Diff = .54m3

NOTES: CHECK CRWON SAVER, FASTLINE CLAMP,DEADLINE ANCHOR,BRAKES & LINKAGE
REVIEWED JSA # D-11 SLIP & CUT W/ TOP DRIVE

SPECIAL EVENT: | TIME / DEPTH: | SAFETY TOPIC: SLIP & CUT | MEHL | MACP 15503

MORNING TOUR	FROM 0	TO 800		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		KEVIN VANDENBRAND	8	KV
DERRICK HAND		SHAWN WATSON	8	SW
MOTOR HAND		GREG ST.ARNAUD	8	GS
FLOOR HAND		JUSTIN MILLER	8	JM
FLOOR HAND		JASON SMITH	8	JS
LEASE HAND		DAVID FRANKLIN	8	DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 22 | DRIVERS

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
1	S.I.S		1.01
1	hewit sub		.92
1	BJ SUB		2.70
1	HYDRAULIC JAR	163	1.46
1	SPIRAL HWDP	161	9.30
17	H.W.D.P.	127	159.86
78	D.P. STANDS		
2	D.P. SINGLES		2255.71
	KELLY DOWN		
	TOTAL		2430.96
	WT. OF D.C.	31	
	WT. OF STRING	75	

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

DAY TOUR — MUD RECORD

MUD TYPE: HT 40 | WATER BASED | OIL BASED X

	800	1200	1600
TIME			
DENSITY (kg/m3)		1030	
FUNNEL VISCOSITY		58	
FLUID LOSS (cm3)			
pH			
PVT,m3		19.8	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARAGEL 3000	32	SX
GILSTONITE	18	SX
BARITE	29	SX
Q-Wet	1	BBL

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | 0 — BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	900	0.75	5	Circulate Bottoms Up Above Fish
900	1200	3.00	19	Latch On To Fish @ 2429m & Jar With Top Drive Screwed In
1200	1245	0.75	22	Inspect Derrick @ Top Drive (Replace Bolts On Elevators)
1245	1300	0.25	7	Rig Service Function Annular 21sec. c/s
1300	1345	0.75	19	Back Off Fish
1345	1600	2.25	6	Trip Out Of Hole to 1200m
				(flow checked @ 5slds/35slds.)

NOTES: Checked: Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-14 Washing Rig/G-6 Adding Fuel To Crew Truck
N-1 Working On Muddy Lease/J-3 Changing Pop Valve
Greased crown , inspected derrick,torque tube

SPECIAL EVENT: | TIME / DEPTH: | SAFETY TOPIC: Fishing | MEHL | MACP 14499

DAY TOUR	FROM 800	TO 1600		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		ALLAN LICKOCH	12	AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12	VN
MOTOR HAND		DERWIN KOTCHEA	12	DK
FLOOR HAND		MOISE PUNCH	12	MP
FLOOR HAND		JONATHAN GREEN	12	JG
LEASE HAND		BRIAN JULIAN	12	BJ

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 22 | DRIVERS

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
1	WASH PIPE SHOE		.92
1	4-JT WASH PIPE		35.12
1	DRIVE BUSHING		.80
1	HYDRAULIC JAR	163	2.75
1	SPIRAL HWDP	161	9.22
17	H.W.D.P.	127	159.86
78	D.P. STANDS		
2	D.P. SINGLES		2255.71
	KELLY DOWN		
	TOTAL		2464.38
	WT. OF D.C.	31	
	WT. OF STRING	75	

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

EVENING TOUR — MUD RECORD

MUD TYPE: | WATER BASED | OIL BASED X

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	
PVT,m3	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | 0 — BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1830	2.50	6	Trip Out Of Hole (flow checked @ HWDP & out of hole)
1830	1845	0.25	7	Rig Service/Function Blind Rams 6sec. c/s
1845	1900	0.25	23	Change Elevators Rig Up Floor To Pick Up Washover Pipe
1900	1915	0.25	21	PRE-TOUR SAFETY MEETING
1915	2030	1.25	23	Pick Up Washover Pipe
2030	2130	1.00	6	Trip In Hole To 330m
2130	2145	0.25	24	Break Circ & Test Remote Choke
2145	2330	1.75	6	Trip In Hole To Window
2330	2400	0.50	5	Break Circulation & Circ Out Air
				Trip Record
				Cal.= 11.34m^3
				Mea.= 11.54m^3
				Diff.= 0.20m^3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-6 TRIP IN HOLE

SPECIAL EVENT: | TIME / DEPTH: | SAFETY TOPIC: Pick up Washover | MEHL | MACP 14499

EVENING TOUR	FROM 1600	TO 2400		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		KEVIN VANDENBRAND	4	KV
DERRICK HAND		SHAWN WATSON	4	SW
MOTOR HAND		GREG ST.ARNAUD	4	GS
FLOOR HAND		JUSTIN MILLER	4	JM
FLOOR HAND		JASON SMITH	4	JS
LEASE HAND		DAVID FRANKLIN	4	DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 22 | DRIVERS

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MILES PYRET	GARY PATRICK (RM)

DAILY CHECKS

(1.) Daily Walk Around Inspection — DP/R MP/GP
(2.) Detailed Inspection - Weekly (Using Check List) — MP/GP
(3.) H2S Signs Posted if Required — MP/GP
(4.) Well Licence & Stick Diagram Posted — MP/GP
(5.) Flare Lines Staked — MP/GP
(6.) BOP Drills Performed — MP/GP
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines — MP/GP

(1.) Rig Site Health & Safety Meeting (one/crew/month) — GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month) — GP
(3.) Mast Inspection before Raising or Lowering — GP
(4.) Crown Saver Checked — GP
(5.) Motor Kills Checked — GP

YEAR 2005 | MONTH 9 | DAY 2
RIG NO. 58
FUEL @ 08:00 HRS
RIG 105 | BOILER
TEMPERATURE 7
WEATHER — CURRENT CONDITIONS: RAINING
WIND DIRECTION: S.E.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5 IF	169
DP	127	38.10	E3			4.5IF	155
	127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.8 | OP FUEL
CONTRACTOR'S JOB NUM.
TOUR SHEET SERIAL NUM AKTA58_20050902_1D
VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 tight hole	23	24	25	26	TOTALS
MORN																						8.0					8.00
DAY																			7.5		0.5						8.00
EVE					3.25	2.5													2.0		0.25						8.00
TOTAL					3.25	2.50													9.50		0.75	8.00					24.00

SHALE SHAKER(S)

NO.	TYPE	SCREENS CHANGED	NEW USED
2	Derrick FLC	NO	

TYPE Derrick FLC

	TOP	MIDDLE	BOTTOM
	175	175	175

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	39	278	
ACCUM MJ	18	566	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	0		
TOTAL TOP DRIVE HRS	53.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 2
OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.
RIG MANAGER GARY PATRICK (RM) | RIG NO 58
PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2710

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	25	
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
78	D.P.	STANDS	
2	D.P.	SINGLES	2255.71
KELLY DOWN			4.51
TOTAL			2520.84
WT. OF D.C.	12		
WT. OF STRING	100		

BIT RECORD

BIT NO.	3
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX-30G
SERIAL NO.	6037749
JETS	11.9 11.9 11.9
DEPTH OUT (m)	2520
DEPTH IN (m)	2463
TOTAL DRILLED (m)	57.00
TOTAL HRS RUN	10.5

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE HT40 | WATER BASED | OIL BASED X
TIME
DENSITY (kg/m3) 995
FUNNEL VISCOSITY 76
FLUID LOSS (cm3)
pH
PVT.m3

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL
CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
152 | 152

REDUCED PUMP SPEED
@ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE
KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	600	6.00	22	Pull 160 000 dAn - hold pressue & torque in pipe
600	630	0.50	22	Jar stuck pipe - (top drive screwed in)
630	800	1.50	22	Pull 160 dan & hold (wait in fishing tools)

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-15 GRINDER USE, N-1 WORK ON MUDDY LEASE

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	WORK ON MUDDY LEASE		15503

MORNING TOUR FROM 0 TO 800 | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT
CREW SAFETY DAYS 21 | DRIVERS

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	25	
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
78	D.P.	STANDS	
1	D.P.	SINGLES	2246.29
KELLY DOWN			
TOTAL			2515.93
WT. OF D.C.	12		
WT. OF STRING	96		

BIT RECORD

BIT NO.	3
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX-30G
SERIAL NO.	6037749
JETS	11.9 11.9 11.9
DEPTH OUT (m)	2520
DEPTH IN (m)	2463
TOTAL DRILLED (m)	57.00
TOTAL HRS RUN	10.5

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL
CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2520				

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
152 | 152

REDUCED PUMP SPEED
@ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE
ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	845	0.50	19	Wait For Fisherman & Fishing Tools
845	900	0.25	21	Safety Meeting with Wirelines & Fisherman
900	1230	3.50	19	Rig In Wireline & Run #1 Freepoint
1230	1530	3.00	19	Run #2 Stringshot (attempt to back off @ 2433.5m)
1530	1600	0.50	19	Run #3 Stringshot

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-1 Working With Fishing Tools & Fisherman
F-4 Hang Wireline Sheave In Derrick/N-1 Working On Muddy Lease
Function Tested Pop Valves On Pump #1 & Pump #2

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	Fishing		15503

DAY TOUR FROM 800 TO 1600 | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		JONATHAN GREEN	12			JG
LEASE HAND		BRIAN JULIAN	12			BJ

RATE SCHEDULE | REGULAR | REPAIR X | INVERT
CREW SAFETY DAYS 21 | DRIVERS

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	25	
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
78	D.P.	STANDS	
1	D.P.	SINGLES	2246.29
KELLY DOWN			
TOTAL			2515.93
WT. OF D.C.	12		
WT. OF STRING	96		

BIT RECORD

BIT NO.	3
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX-30G
SERIAL NO.	6037749
JETS	11.9 11.9 11.9
DEPTH OUT (m)	2520
DEPTH IN (m)	2463
TOTAL DRILLED (m)	57.00
TOTAL HRS RUN	10.5

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X
TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH
PVT.m3

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL
CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM
3522 | 152 | 100 | 152

REDUCED PUMP SPEED
@ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE
KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1645	0.75	19	Run #3 Wireline Stringshot (back off @ 2429m measured depth)
1645	1800	1.25	19	Rig Out Wireline
1800	1830	0.50	5	CONDITION MUD & CIRC.
1830	1900	0.50	5	Shut In & Circulate Trip Gas Through Manifold
1900	1915	0.25	21	PRE-TOUR SAFETY MEETING
1915	1945	0.50	5	Shut In & Circulate Trip Gas Through Manifold
1945	2130	1.75	5	Circulate down flow line - Condition mud
2130	2400	2.50	6	Trip Out Of Hole - Flow Check @ 2504m, 2370m (5 stds)
				1235m (45 stds)

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # D-5 P.O.O.H, D-10 OPERATE PIPE SPINNER, A-5 CLIMBING DERRICK

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	TRIPPING		15503

EVENING TOUR FROM 1600 TO 2400 | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		JASON SMITH	4			JS
LEASE HAND		DAVID FRANKLIN	4			DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT
CREW SAFETY DAYS 21 | DRIVERS

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	**CONTRACTOR NAME**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	**UNIQUE ID**
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
MILES PYRET	GARY PATRICK (RM)

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection	MP	GP
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required	MP	GP
(4.) Well Licence & Stick Diagram Posted	MP	GP
(5.) Flare Lines Staked	MP	GP
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	MP	GP
(1.) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		GP
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		GP

YEAR 2005 | MONTH 9 | DAY 1

RIG NO. 58

FUEL @ 08.00 HRS

RIG	BOILER
120	

WEATHER REPORT

TEMPERATURE: 7

CURRENT CONDITIONS: Partly cloudy

WIND DIRECTION: S.E.

ROAD CONDITION: ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	155	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE: DIR.	RE-ENTRY: YES
OPERATOR'S AFE	
KELLY BSHG: 6.8	OP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM: AKTA58_20050901_1C	
VENDOR SOFTWARE VERSION: EDR 3-1-4 HF2 ETS 2.2	

PASON

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 tight hole	23 inspect derrick	24	25	26	TOTALS
MORN		1.5			3.25					0.25												3.0					8.00
DAY																					0.25	7.5	0.25				8.00
EVE																				3.5	0.25	4.25					8.00
TOTAL		1.50			3.25					0.25										3.50	0.50	14.75	0.25				24.00

SHALE SHAKER(S)

NO.	TYPE	SCREENS CHANGED	NEW / USED
1	Derrick FLC	NO	
2	Derrick FLC		

	TOP	MIDDLE	BOTTOM
1	175	175	175
2	175	175	175

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	363	52	
ACCUM MJ	15	640	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	6		
TOTAL TOP DRIVE HRS	53.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	1

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
GARY PATRICK (RM)	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2709

BIT RECORD

	MORNING TOUR	DAY TOUR	EVENING TOUR
BIT NO.	3	3	3
SIZE	216	216	216
IADC CODE			
MANUFACTURER	HUGHES	HUGHES	HUGHES
TYPE	MX-30G	MX-30G	MX-30G
SERIAL NO.	6037749	6037749	6037749
JETS	11.9 11.9 11.9	11.9 11.9 11.9	11.9 11.9 11.9
DEPTH OUT (m)	2520	2520	2520
DEPTH IN (m)	2463	2463	2463
TOTAL DRILLED (m)	57.00	57.00	57.00
TOTAL HRS RUN	10.5	10.5	10.5

CUTTING STRUCTURE

	TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
MORNING TOUR									
DAY TOUR									
EVENING TOUR									

HOLE CONDITION

	MORNING TOUR	DAY TOUR	EVENING TOUR
HOLE DRAG	10-UIP 5 DN		
TORQUE AT BOTTOM	7900		
FILL ON BOTTOM (m)	0		

MUD RECORD

	MORNING TOUR	DAY TOUR	EVENING TOUR
MUD TYPE	HT40	Q'HT40	HT40
WATER BASED		X	
OIL BASED	X		X
TIME	100 600	1200 1600	
DENSITY (kg/m3)	990 995	1010 1010	
FUNNEL VISCOSITY	45 76	58 63	
FLUID LOSS (cm3)			
pH			
PVT.m3	64.2 61.7	62.9	

MUD MATERIALS ADDED

	PRODUCT	AMOUNT	UNIT
DAY TOUR	BARAGEL 3000	20	SX
	GILSTONITE	10	SX

SOLIDS CONTROL

CENTRIFUGE

	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
MORNING TOUR	0			
	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
	0			

BOILERS

	1	2
MORNING TOUR HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa: MORNING TOUR 7100

PUMP NO. 1 / PUMP NO. 2

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
MORNING TOUR	152	95	152	
DAY TOUR	152		152	

REDUCED PUMP SPEED

MORNING TOUR	2300 @	50 @	
DAY TOUR	@		@

DEVIATION SURVEYS

	DEPTH (m)	DEVIATION	DIRECTION
MORNING TOUR	2499.93	43.6	325.0
DAY TOUR			
EVENING TOUR			

DRILLER SIGNATURE: MORNING TOUR — KEVIN VANDENBRAND; DAY TOUR — ALLAN LICKOCH; EVENING TOUR — KEVIN VANDENBRAND

METRES DRILLED

	FROM	TO	D-R-C	RPM	WOB
MORNING TOUR	2514	2520.8	D	30	10
DAY TOUR	2520				
EVENING TOUR					

TIME LOG

	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
MORNING TOUR	0	100	1.00	2	Drill f/ 2514 to 2519m
	100	200	1.00	5	Circulate up sample
	200	230	0.50	2	Drill f/ 2519m to 2520.8m
	230	530	3.00	22	Worked & jarred stuck pipe out 8m from 2520m to 2512m.(topdrive screwed in).
	530	745	2.25	5	Work pipe & circulated hole clean
	745	800	0.25	10	Accumulated survey time
	800				
DAY TOUR	800	815	0.25	21	Pre-Tour Safety Meeting
	815	1545	7.50	22	Jar Stuck Pipe (Top Drive Screwed In)
	1545	1600	0.25	23	Inspect Derrick & Top Drive
	1600				
EVENING TOUR	1600	1900	3.00	22	Jar Stuck Pipe (top drive screwed in)
	1900	1915	0.25	21	PRE-TOUR SAFETY MEETING
	1915	2030	1.25	22	Jar Stuck Pipe (top drive screwed in)
	2030	2400	3.50	20	Pull 160 000 dAn, hold & keep pressure & torque in pipe
	2400				

NOTES:
- MORNING TOUR: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE; REVIEWED JSA # G-24 CIRCULATING, E-3 CLEANING SCR ROOM
- DAY TOUR: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage; Review JSA C-2 Unload Casing with Picker/C-4 Put Casing On Pipe Racks Off Highb; N-1 Working On Muddy Lease/F-12 Inspection Of Top Drive & Torque Tube
- EVENING TOUR: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE; REVIEWED JSA # G-14 WASHING RIG, A-15 WHIMIS LABELLING

	SPECIAL EVENT / TIME / DEPTH	SAFETY TOPIC	MEHL	MACP
MORNING TOUR		CLEANING SCR ROOM	155	15503
DAY TOUR		Working Stuck Pipe		15503
EVENING TOUR		WORKING STUCK PIPE		15503

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	.25	
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
78	D.P.	STANDS	
2	D.P.	SINGLES	2255.71
KELLY DOWN			4.51
TOTAL			2520.84
WT. OF D.C.	12		
WT. OF STRING	100		

CREW SAFETY DAYS

MORNING TOUR	DAY TOUR	EVENING TOUR
20	20	20

RATE SCHEDULE | REGULAR | REPAIR X | INVERT | DRIVERS

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		JONATHAN GREEN	12			JG
LEASE HAND		BRIAN JULIAN	12			BJ

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		JASON SMITH	4			JS
LEASE HAND		DAVID FRANKLIN	4			DF

LICENCE NO.

WELL NAME & NO.
PARAMOUNT ET AL LIARD K-29A

OPERATOR
PARAMOUNT RESOURCES LTD.

CONTRACTOR NAME
AKITA DRILLING LTD.

SURFACE LOCATION

UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE
MILES PYRET

SIGNATURE OF CONTRACTOR'S RIG MANAGER
GARY PATRICK (RM)

DAILY CHECKS

	OPR	R.M.
(1.) Daily Walk Around Inspection	MP	GP
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required	MP	GP
(4.) Well Licence & Stick Diagram Posted	MP	GP
(5.) Flare Lines Staked	MP	GP
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Dagasser Lines	MP	GP
(1.) Rig Site Health & Safety Meeting (one/crew/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		GP
(5.) Motor Kills Checked		

YEAR 2005 MONTH 8 DAY 31

RIG NO. 58

FUEL @ 08:00 HRS

RIG 143 BOILER

TEMPERATURE 2

CURRENT CONDITIONS: Partly cloudy

WIND DIRECTION: S.E.

ROAD CONDITION: ROUGH

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	155	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE | TIME

RIG RELEASE | TIME

WELL TYPE DIR. | RE-ENTRY YES

OPERATOR'S AFE

KELLY BSHG 6.8 | OP FUEL

CONTRACTOR'S JOB NUM

TOUR SHEET SERIAL NUM AKTA58_20050831_1D

VENDOR SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN					0.25	7.75																				8.00
DAY		4.5			0.25	2.25	0.25			0.5											0.25						8.00
EVE		4.5			2.5					0.75											0.25						8.00
TOTAL		9.00			3.00	10.00	0.25			1.25											0.50						24.00

SHALE SHAKER(S) / RENTALS / SERVICES

NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
2	Derrick FLC	Derrick FLC	TOTAL MJ	318	89	
SCREENS CHANGED	NO	NEW / USED	ACCUM MJ	318	89	
TOP	175	TOP 175	MJ SLC	111	77	
MIDDLE	175	MIDDLE 175	ACCUM OIL LEVEL	.32		
BOTTOM	175	BOTTOM 175				

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 8 | DAY 31

OPERATOR PARAMOUNT RESOURCES LTD. | CONTRACTOR NAME AKITA DRILLING LTD.

RIG MANAGER GARY PATRICK (RM) | RIG NO. 58

PROVINCE N.W.T. | CAMP X YES NO | RIG SAFETY DAYS 2708

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.25	
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
78	D.P.	STANDS	
2	D.P.	SINGLES	2199.00
KELLY DOWN			-5.19
TOTAL			2463.45
WT. OF D.C.	12		
WT. OF STRING	85		

BIT RECORD

BIT NO.	2	3
SIZE	216	216
IADC CODE		
MANUFACTURER	HUGHES	HUGHES
TYPE	MX-30G	MX-30G
SERIAL NO.	6037748	6037749
JETS	3 X 11.9	11.9
	11.9	11.9
DEPTH OUT (m)	2463.45	
DEPTH IN (m)	2287.73	2463.45
TOTAL DRILLED (m)	175.72	
TOTAL HRS RUN	34.25	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
6	7	BT	A	F	8	PB	TO	5.11

HOLE CONDITION

HOLE DRAG	10-up tripping
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	0

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	
PVT m3	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	52	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	HRS RUN 0
BOILER pH		BOILER pH
STACK TEMP		STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

152 | 152

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	5	Circulate bottoms up
15	500	4.75	6	Trip out of hole - Flow check @ 2448m, 1183m (45 stds), 262m (76 stds)
				Out of hole - function test blind rams 6 sec/cls
500	645	1.75	6	Change out mud motor, scrib & make up bit
645	800	1.25	6	Trip in hole
800				
				TRIP RECORD CAL = 11.49m3
				MEA= 12.20m3
				DIFF = .71m3

NOTES: Check Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Reviewed jsa # D-5 p.o.o.h, D-10 operate pipe spinner, A-5 climbing derrick

SPECIAL EVENT / TIME / DEPTH | SAFETY TOPIC: tripping | MEHL | MACP: 15685

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

INJURIES

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 19

DRIVERS

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.25	
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
77	D.P.	STANDS	
1	D.P.	SINGLES	2217.82
KELLY DOWN			-1.46
TOTAL			2486.00
WT. OF D.C.	12		
WT. OF STRING	85		

BIT RECORD

BIT NO.	3
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX-30G
SERIAL NO.	6037749
JETS	11.9 11.9
	11.9
DEPTH OUT (m)	2486
DEPTH IN (m)	2463
TOTAL DRILLED (m)	23.00
TOTAL HRS RUN	4.5

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10 up 5 dn
TORQUE AT BOTTOM	7800
FILL ON BOTTOM (m)	0

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	1200	1600
DENSITY (kg/m3)	1030	995
FUNNEL VISCOSITY		45
FLUID LOSS (cm3)		
pH		
PVT	62.3	61.0

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GEL	20	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1010	995	1925

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	HRS RUN 0
BOILER pH		BOILER pH
STACK TEMP		STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

7100 | 152 | 95 | 152 | 0

REDUCED PUMP SPEED

2300 | @ 50 | @ 2478

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2452.64	42.0	344.1
2462.13	43.0	341.1

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2463	2486	D	30	12

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	1030	2.25	6	Trip In Hole (fill Pipe every 600m) flow check @ 1840m
1030	1045	0.25	5	Brk. Circ. & Wash Down f/2440m to 2463m
1045	1200	1.25	2	Pattern Bit & Drill f/2463m to 2468m
1200	1215	0.25	7	Rig Service/Function Bottom Pipe Rams 6 sec. c/s Checked RSPP
1215	1230	0.25	10	Survey @ 2452.64m
1230	1415	1.75	2	Drill f/2468m to 2478m
1415	1430	0.25	10	Survey @ 2462.13m
1430	1600	1.50	2	Drill f/2478m to 2486m

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA D-10 Operate Pipe Spinner/

SPECIAL EVENT / TIME / DEPTH | SAFETY TOPIC: Tripping | MEHL | MACP: 15503

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		JONATHAN GREEN	12			JG
LEASE HAND		BRIAN JULIAN	12			BJ

INJURIES

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 19

DRIVERS

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	.25	
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
78	D.P.	STANDS	
2	D.P.	SINGLES	2255.71
KELLY DOWN			-11.35
TOTAL			2514.00
WT. OF D.C.	12		
WT. OF STRING	85		

BIT RECORD

BIT NO.	3
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX-30G
SERIAL NO.	6037749
JETS	11.9 11.9
	11.9
DEPTH OUT (m)	2514
DEPTH IN (m)	2463
TOTAL DRILLED (m)	51.00
TOTAL HRS RUN	8.25

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10 up 5 dn
TORQUE AT BOTTOM	7850
FILL ON BOTTOM (m)	0

EVENING TOUR

MUD RECORD

MUD TYPE HTH40 | WATER BASED | OIL BASED X

TIME	2000	2200
DENSITY (kg/m3)	990	1000
FUNNEL VISCOSITY	44	46
FLUID LOSS (cm3)		
pH		
PVT	60.2	59.7

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	HRS RUN 0
BOILER pH		BOILER pH
STACK TEMP		STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

6790 | 152 | 95 | 152

REDUCED PUMP SPEED

2300 | @ 50 | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2471.46	43.1	337.0
2481.05	42.9	332.6
2490.35	43.3	327.6

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2486	2514	D	0	13

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1915	3.25	2	Drill f/2486m to 2507m
1915	2000	0.75	10	Accumulated survey time
2000	2015	0.25	21	SAFETY MEETING
2015	2100	0.75	5	Circulate up sample
2100	2130	0.50	2	Drill f/ 2507m to 2509m
2130	2230	1.00	5	Circulate up sample
2230	2315	0.75	2	Drill f/ 2509m to 2514m
2315	2400	0.75	5	Circulate up sample
2400				

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

SPECIAL EVENT / TIME / DEPTH | SAFETY TOPIC: CONNECTION | MEHL | MACP: 15503

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	4			KV
DERRICK HAND		SHAWN WATSON	4			SW
MOTOR HAND		GREG ST.ARNAUD	4			GS
FLOOR HAND		JUSTIN MILLER	4			JM
FLOOR HAND		JASON SMITH	4			JS
LEASE HAND		DAVID FRANKLIN	4			DF

INJURIES

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 19

DRIVERS

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MILES PYRET	GARY PATRICK (RM)

DAILY CHECKS (OPR / R.M. / MP / GP)

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 8 | DAY 30
RIG NO. 58
FUEL @ 08:00 HRS
RIG 163 | BOILER
TEMPERATURE
CURRENT CONDITIONS
WIND DIRECTION
ROAD CONDITION

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5 IF	169
	DP	127	38.10	E3			4.5IF	155
		127	74.35	HWDP			4.5IF	17

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-1000	EMSCO	254
F-1000	EMSCO	254

SPUD DATE:	TIME:
RIG RELEASE:	TIME:
WELL TYPE: DIR.	RE-ENTRY: YES
OPERATOR'S AFE:	
KELLY BSHG: 6.8	OP FUEL:
CONTRACTOR'S JOB NUM:	
TOUR SHEET SERIAL NUM: AKTA58_20050830_1F	
VENDOR SOFTWARE VERSION: EDR 3-1-4 HF2 ETS 2.2	

PASON

TIMERS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		6.5					0.25			1.0											0.25						8.00
DAY		7.5					0.25														0.25						8.00
EVE		6.25			0.75		0.25			0.5											0.25						8.00
TOTAL		20.25			0.75		0.75			1.50											0.75						24.00

SHALE SHAKER(S)

NO.	TYPE	SCREENS CHANGED	NEW/USED
2	Derrick FLC	NO	USED

TOP 175 | MIDDLE 175 | BOTTOM 175

TYPE	Derrick FLC
NEW/USED	USED
TOP	175
MIDDLE	175
BOTTOM	175

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	927	553	
ACCUM MJ	318	89	
MJ SLC	111	77	
ACCUM OIL LEVEL	.32		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	8	30

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2707

BHA

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.25
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
76	D.P. STANDS		2180.18
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2449.82
	WT. OF D.C.	12	
	WT. OF STRING	85	

BIT RECORD

BIT NO.	2
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX-30G
SERIAL NO.	6037748
JETS	3 X 11.9
DEPTH OUT (m)	2415.00
DEPTH IN (m)	2287.73
TOTAL DRILLED (m)	127.27
TOTAL HRS RUN	27.5

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-10 UP 5 DN rotate
TORQUE AT BOTTOM	6900
FILL ON BOTTOM (m)	0

MORNING TOUR — MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	800	1000	1400
DENSITY (kg/m3)	990	985	995
FUNNEL VISCOSITY	46	44	46
FLUID LOSS (cm3)			
pH			
PVT,m3	64.4	65.5	64.1

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
LIME	20	SX
Q-mud1	1	BBL
GEL	100	SX
SODA ASH	2	SX
CAUSTIC	1	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8500	152	95	152	

REDUCED PUMP SPEED: 2390 @ 50 @ 2431

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2405.24	36.4	1.4
2415.0	37.9	359.0

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2417.79	2421.24	D	30	14
2421.24	2424.24	D	0	17
2424.24	2431.00	D	30	14
2431.0	2438.0	D	0	20
2438.0	2440.46	D	30	13
2440.46		D	0	13

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0000	0015	0.25	21	SAFETY MEETING
0015	0645	6.50	2	DRILL F/2386m to 2415m
0645	0700	0.25	7	RIG SERVICE FUNCTION UP PIPE RAMS c/o 5 sec.
0700	800	1.00	10	ACCUMULATED SURVEY TIME
				CHANGE TOUR SHEETS TO 8 HOUR SHIFTS

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-26 LOADER MAINTENANCE, I-4 MIX MUD

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		MIXING MUD		15685

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO	INJURIES
DRILLER		BRIAN WYATT	10				BW
ASSIST DRILLER		KEVIN LAUCK	10				KL
MOTOR HAND		KENNETH LAUCK	10				KL
LEASE HAND		FREDDY CARPENTER	10				FC
FLOOR HAND		JASON SMITH	10				JS
FLOOR HAND		BILL HETHERINGTON	10				BH
DERRICK HAND		DOUG CHRISTIE	10				DC

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 18

DRIVERS

DAY TOUR — MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME			1600
DENSITY (kg/m3)			990
FUNNEL VISCOSITY			45
FLUID LOSS (cm3)			
pH			
PVT			63.8

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8500	152		152	95

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2415	2444	D	30	14

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	SAFETY MEETING
815	900	0.75	2	DRILL F/2415m to 2420m
900	915	0.25	7	RIG SERVICE - FUNCTION TEST TOP PIPE RAMS 6 sec./c/s
915	1600	6.75	2	DRILL F/2420m to 2444m

NOTES: CHECKED, CROWN SAVER, FASTLIUNE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-26 LOADER MAINTENANCE, I-4 MIX MUD

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		MIX MUD		15685

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS		YES	NO	INJURIES
DRILLER		KEVIN VANDENBRAND	10				KV
DERRICK HAND		SHAWN WATSON	10				SW
MOTOR HAND		GREG ST.ARNAUD	10				GS
FLOOR HAND		JUSTIN MILLER	10				JM
FLOOR HAND		JASON SMITH	10				JS
LEASE HAND		BRIAN JULIAN	10				BJ

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 18

DRIVERS

EVENING TOUR — MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	1800	2100	2400
DENSITY (kg/m3)	990	990	990
FUNNEL VISCOSITY	45	45	44
FLUID LOSS (cm3)			
pH			
PVT	63	62.2	61.7

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
Q-Wet	1	BBL

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
2	995	990	1850

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8100	152		152	95

REDUCED PUMP SPEED: 2350 @ 2449 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2433.82	39.4	354.5
2443.24	40.0	350.2

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2444	2463.45	D	30	14

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	1615	0.25	21	Pre-Tour Safety Meeting
1615	1730	1.25	2	Drill f/2444m to 2449m
1730	1745	0.25	10	Survey @ 2433.82m
1745	1800	0.25	7	Rig Service Function Annular 21 sec. c/s
1800	2130	3.50	2	Drill f/2449m to 2459m
2130	2145	0.25	10	Survey @ 2443.24m
2145	2315	1.50	2	Drill f/2459m to 2463.45m
2315	2400	0.75	5	Circulate bottoms up
2400				

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-4 Make Connections with Singled Of Drill Pipe
D-2 Rig Service Top Drive

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		Connections		15685

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO	INJURIES
DRILLER		ALLAN LICKOCH	8				AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8				VN
MOTOR HAND		DERWIN KOTCHEA	8				DK
FLOOR HAND		MOISE PUNCH	8				MP
FLOOR HAND		JONATHAN GREEN	8				JG
LEASE HAND		BRIAN JULIAN	8				BJ

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS

DRIVERS

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.25
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
76	D.P. STANDS		2199.00
2	D.P. SINGLES		-5.19
	KELLY DOWN		2463.45
	TOTAL		
	WT. OF D.C.	12	
	WT. OF STRING	85	

BIT RECORD

BIT NO.	2
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX-30G
SERIAL NO.	6037748
JETS	3 X 11.9
DEPTH OUT (m)	2463.45
DEPTH IN (m)	2287.73
TOTAL DRILLED (m)	175.72
TOTAL HRS RUN	34.25

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10 up 5 dn
TORQUE AT BOTTOM	7800
FILL ON BOTTOM (m)	0

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

YEAR	MONTH	DAY
2005	8	29

RIG NO. 58

FUEL @ 08:00 HRS

RIG	BOILER
163	

WEATHER: TEMPERATURE; CURRENT CONDITIONS; WIND DIRECTION; ROAD CONDITION

	DC/ DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	155	F-1000	EMSCO	254
		127	74.35	HWDP			4.5IF	17			

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE: DIR.	RE-ENTRY: YES
OPERATOR'S AFE	
KELLY BSHG: 6.8	OP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050829_1B
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

PASON

TIMES (HRS)

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		10.0					0.25			1.5											0.25					
DAY		10.5					0.25			1.0											0.25					
TOTAL		20.50					0.50			2.50											0.50					

TOTALS	SHALE SHAKER (S)		RENTALS / SERVICES	MORNING	DAY
	NO. 2	TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	912	394
12.00	SCREENS CHANGED NO	NEW/ USED		ACCUM MJ	162	58
12.00	TOP 175	TOP 175		MJ SLC	162	58
24.00	MIDDLE 175	MIDDLE 175		ACCUM OIL LEVEL	.32	
	BOTTOM 175	BOTTOM 175				

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT		.25
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
74	DRILL PIPE STANDS		2123.12
	DRILL PIPE SINGLES		
	KELLY DOWN		-24.76
	TOTAL		2368.00
	WT. OF D.C.	12	
	WT. OF STRING	85	

BIT RECORD

BIT NO.	2
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX-30G
SERIAL NO.	6037748
JETS	3 X
	11.9
DEPTH OUT (m)	2368
DEPTH IN (m)	2287.73
TOTAL DRILLED (m)	80.27
TOTAL HRS RUN	17

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10-up 5-dn rotating
TORQUE AT BOTTOM	6100
FILL ON BOTTOM (m)	0

MORNING TOUR — MUD RECORD

MUD TYPE		WATER BASED	OIL BASED X
TIME	800	1000	1400
DENSITY (kg/m3)	980	985	985
FUNNEL VISCOSITY	46	47	51
FLUID LOSS (cm3)			
pH			
PVTm.3	62.5	61.3	64.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
Q-Wet	1	BBL
LIME	20	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7750	152	95	152	

REDUCED PUMP SPEED: 2336 @ 50 @ 2361

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2290.86	35.2	12.9
2300.44	35.5	12.9
2310.01	35.2	14.3
2328.98	34.6	14.4
2338.57	33.5	14.5
2348.09	32.9	13.7

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2316.44	2344.98	D	30	13
2344.98	2347.98	D	0	14
2347.98	2354.55	D	30	13
2354.55	2359.55	D	0	15
2359.55	2364.09	D	30	13
2364.09	2367	D	0	15

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	B.O.P DRILL WELL SECURE IN 1min
815	1715	9.00	2	DRILL F/ 2316.44m to 2364.09m
1715	1845	1.50	10	ACCUMULATED SURVEY TIME
1845	1900	0.25	7	RIG SERVICE - FUNCTION TEST ANNULAR 20 sec/cls - CHECK RSPP
1900	2000	1.00	2	DRILL F/ 2364.09m to 2368m
2000				

NOTES : CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # M-15 BOP DRILL, G-17 BRING LUNCH TO DOG HOUSE

D-1, RIG SERVICE DRAWORKS, D-2 RIG SERVICE TOP DRIVE

SPECIAL EVENT			SAFETY TOPIC	MEH.	MACP
TIME / DEPTH			B.O.P DRILL		15685

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	8	29

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2706

MORNING TOUR FROM 800 TO 2000 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		JASON SMITH	12			JS
LEASE HAND		BRIAN JULIAN	12			BJ

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
17	BRIAN WYATT
	AL KOZAKEWICH

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT		.25
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
75	DRILL PIPE STANDS		2151.60
	DRILL PIPE SINGLES		
	KELLY DOWN		-6.24
	TOTAL		2415.00
	WT. OF D.C.	12	
	WT. OF STRING	85	

BIT RECORD

BIT NO.	2
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX-30G
SERIAL NO.	6037748
JETS	3 X
	11.9
DEPTH OUT (m)	2415.00
DEPTH IN (m)	2287.73
TOTAL DRILLED (m)	127.27
TOTAL HRS RUN	27.5

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-UP 2-DN ROT
TORQUE AT BOTTOM	6500
FILL ON BOTTOM (m)	

DAY TOUR — MUD RECORD

MUD TYPE	INVERT	WATER BASED	OIL BASED X
TIME	2300	0100	0600
DENSITY (kg/m3)	1000	980	990
FUNNEL VISCOSITY	43	45	47
FLUID LOSS (cm3)			
pH			
PVT	63.3	61.8	65.2

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
LIME	20	SX
Q-mul2	1	BBL
AMMODRILL	6	M3

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
2	1000	980	2110
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8000	152	95	152	

REDUCED PUMP SPEED: 2400 @ 50 @ 2390

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2357.63	33.4	12.6
2367.24	34.3	10.6
2376.76	35.1	9.7
2386.15	34.7	9.0

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2368	2369	D	0	18
2369	2415	D	30	13

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	SAFETY MEETING
2015	645	10.50	2	DRILL FR 2368m TO 2415m
645	700	0.25	7	RIG SERVICE FUNCTION UP PIPE RAMS C/O 5secs
700	800	1.00	10	ACCUMULATED SURVEY TIME
800				
				ACCUMULATOR@ 31cm
				MJ SLSC 10765 MJ ACCUM 31477

NOTES : CHECKED FASTLINE CLAMP, DEADMAN ANCHOR ; FUNCTIONED CROWN SAVER

VALVE ALLIGNMENT ON BOP STACK, MANIFOLD SHACK FUNCTIONED REMOTE CHOKE O/C 10sec

FUNCTIONED PVT ALARMS

SPECIAL EVENT			SAFETY TOPIC	MEH.	MACP
TIME / DEPTH			WORKING W/ AIR TOOL	100	15543

DAY TOUR FROM 2000 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	12			BW
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
LEASE HAND		FREDDY CARPENTER	12			FC
FLOOR HAND		MOSES LORD	12			ML
FLOOR HAND		BILL HETHERINGTON	12			BH

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
17	BRIAN WYATT

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

YEAR 2005 | MONTH 8 | DAY 28
RIG NO. 58
FUEL @ 08:00 HRS
RIG 78 | BOILER

WEATHER: TEMPERATURE; CURRENT CONDITIONS; WIND DIRECTION; ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	155	F-1000	EMSCO	254
	127	74.35	HWDP			4.5IF	17			

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE: DIR.	RE-ENTRY: YES
OPERATOR'S AFE	
KELLY BSHG: 6.8	OP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM: AKTA58_20050828_1B	
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2	

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 HANDLE TOOLS	23 AMBIENT TOOLS TROUGH	24	25	26	TOTALS
MORN		5.5			1.0	4.5	0.25			0.75											0.25	0.5	0.25				12.00
DAY		5.5			0.75	4.25	0.25			0.25											0.25	0.50	0.25				12.00
TOTAL		11.00			1.75	8.75	0.50			1.00											0.25	0.50	0.25				24.00

SHALE SHAKER (S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED | NEW USED

TOP	TOP
175	175
MIDDLE	MIDDLE
175	175
BOTTOM	BOTTOM
175	175

RENTALS / SERVICES	MORNING	DAY
TOTAL MJ	912	394
ACCUM MJ	162	58
MJ SLC	162	58
ACCUM OIL LEVEL	.32	

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	8	28

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2705

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.25
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
71	DRILL PIPE STANDS		2037.22
	DRILL PIPE SINGLES		
	KELLY DOWN		-19.64
	TOTAL		2287.22
	WT. OF D.C.	12	
	WT. OF STRING	85	

BIT RECORD

BIT NO.	1
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX20G
SERIAL NO.	6038026
JETS	3 X
	11.9
DEPTH OUT (m)	2287.22
DEPTH IN (m)	1859.73
TOTAL DRILLED (m)	427.49
TOTAL HRS RUN	53.5

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	3-5 DN 5-8 UP rotate
TORQUE AT BOTTOM	5275
FILL ON BOTTOM (m)	0

MORNING TOUR — MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	800	1000
DENSITY (kg/m3)	990	995
FUNNEL VISCOSITY	48	50
FLUID LOSS (cm3)		
pH		
PVT.m3	64.4	63.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
LIME	16	SX
BARITE	27	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2262.3	2268.79	D	30	11
2268.79	2271.79	D	0	14
2271.79	2278.33	D	30	11
2278.33	2281.33	D	0	14
2281.33	2287.22	D	30	13

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE | PUMP NO. 2 SPM

7337	152		152	95

REDUCED PUMP SPEED

2405	@	2275	@	50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2243.31	29.5	21.8
2252.79	31.4	19.7
2226.33	32.4	18.0

DRILLER SIGNATURE: KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1200	4.00	2	DRILL F/ 2249m to 2278m
1200	1215	0.25	7	RIG SERVICE - FUNCTION TEST TOP PIPE RAMS 6 sec/ds - CHECK RSPP
1215	1345	1.50	2	DRILL F/ 2278m to 2287.22m
1345	1430	0.75	10	ACCUMULATED SURVEY TIME
1430	1530	1.00	5	CIRCULATE BOTTOMS UP
1530	2000	4.50	6	TRIP OUT OF HOLE - FLOW CHECK @ 2278m,2164m (5 stds),1183m (40 stds)
				308m (71 stds), OUT OF HOLE
				FUNCTION TEST BLIND RAMS 6 sec/ds
				4-8 DRAG PULLING OUT OF HOLE

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # D-2 RIG SERVICE TOP DRIVE, G-25 OPERATE LOADER

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			LOADER OPERATION		15502

MORNING TOUR

FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		JASON SMITH	12			JS
LEASE HAND		BRIAN JULIAN	12			BJ

INJURIES

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
16	BRIAN WYATT
	AL KOZAKEWICH

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.25
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
72	DRILL PIPE STANDS		2065.92
	DRILL PIPE SINGLES		
	KELLY DOWN		-19.12
	TOTAL		2316.44
	WT. OF D.C.	12	
	WT. OF STRING	85	

BIT RECORD

BIT NO.	1	2
SIZE	216	216
IADC CODE		
MANUFACTURER	HUGHES	HUGHES
TYPE	MX20G	MX-30G
SERIAL NO.	6038026	6037748
JETS	3 X	3 X
	11.9	11.9
DEPTH OUT (m)	2287.22	2316.44
DEPTH IN (m)	1859.73	2287.73
TOTAL DRILLED (m)	427.49	28.71
TOTAL HRS RUN	53.5	5.5

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
1	1	WT	A	4	2	BT	PR	7.9

HOLE CONDITION

HOLE DRAG	5-DN ROTATE
TORQUE AT BOTTOM	5900
FILL ON BOTTOM (m)	1

DAY TOUR — MUD RECORD

MUD TYPE: INVERT | WATER BASED | OIL BASED X

TIME	0200	0400	0600
DENSITY (kg/m3)	990	1000	980
FUNNEL VISCOSITY	48	49	46
FLUID LOSS (cm3)			
pH			
PVT	63.7	63.5	63.1

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
Q-mul2	1	BBL
CALCIUM CHLORIDE	10	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
2	1000	970	2140

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2287	2316.44	D	0	13

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE | PUMP NO. 2 SPM

7260	152	95	152	

REDUCED PUMP SPEED

2405	@	2275	@	50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2281.47	33.8	15.4

DRILLER SIGNATURE: BRIAN WYATT

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	SAFETY MEETING
2015	2030	0.25	6	PULL OUT OF HOLE BIT TRIP ON BANK @ MONITOR TRIP TANK
2030	2045	0.25	22	BREAK BIT # 1 REPLACE WITH BIT #2
2045	2115	0.50	6	RUN BACK IN HOLE WITH BIT # 2
2115	2130	0.25	22	LAY OUY JARS, MOUSE HOLE TOP MONEL,PICK UP TOP MONEL, PICK UP JARS
2130	2400	2.50	6	RUN BACK IN HOLE WITH BIT # 2FILL PIPE @ 616m,1219m,1849m
2400	15	0.25	23	ORIENT TOOLS TO SLIDE TROUGH WINDOW FLOW CHECK @ 1849m
15	115	1.00	6	RUN IN HOLE WITH BIT #2
115	200	0.75	5	ACCUMULATED FILL PIPE AND WASH TO BOTTOM
200	730	5.50	2	DRILL FR 2287m TO 2316m
730	745	0.25	7	RIG SERVICE FUNCTION BTM PIPE RAMS C/O 5SECS
745	800	0.25	10	ACCUMULATED SURVEY TIME
800				
				HOLE FILL CAL=10.86/MEA=11.77/DIFF=.91
				MJ SLSC 9990 MJ ACCUM 30702 ACCUMULATOR @31cm

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FAST LINE CLAMP SET AND FUNCTION

CROWN SAVER REVIEWED JSA D-6 TRIP IN HOLE WITH TOP DRIVE D-8 DOG COLLAR USE

D-10 OPERATE PIPE SPINNER D-18 INSTALL P/U SUBS IN STUMP CHECKED BOP AND

MANIFOLD VALVE ALIGNMENT FUNCTION REMOTE CHOKE C/O 10secs

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			TRIPPING	95	15725

DAY TOUR

FROM 2000 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	12			BW
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
LEASE HAND		FREDDY CARPENTER	12			FC
FLOOR HAND		MOSES LORD	12			ML
FLOOR HAND		BILL HETHERINGTON	12			BH

INJURIES

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
16	BRIAN WYATT

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

YEAR	MONTH	DAY
2005	8	27

RIG NO. 58

FUEL @ 08:00 HRS

RIG 104 | BOILER

WEATHER: TEMPERATURE; CURRENT CONDITIONS; WIND DIRECTION; ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DC	127	29.02	E2			4.5 IF		F-1000	EMSCO	254
DP								F-1000	EMSCO	254

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE: DIR.	RE-ENTRY: YES
OPERATOR'S AFE	
KELLY BSHG: 6.8	OP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM: AKTA58_20050827_1B	
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2	

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		7.75			0.75	1.75	0.25			1.5											0.25						12.00
DAY		10.0					0.25			1.5											0.25						12.00
TOTAL		17.75			0.75	1.75	0.50			3.00											0.25						24.00

SHALE SHAKER (S)		RENTALS / SERVICES	MORNING	DAY
NO. 2	TYPE Derrick FLC	TOTAL MJ	912	394
SCREENS CHANGED	NEW USED	ACCUM MJ	162	58
TOP 175	TOP 175	MJ SLC	162	58
MIDDLE 175	MIDDLE 175	ACCUM OIL LEVEL	.32	
BOTTOM 175	BOTTOM 175			

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	8	27

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2704

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	25	
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
67	DRILL PIPE STANDS		1923.07
	DRILL PIPE SINGLES		
KELLY DOWN			-22.71
TOTAL			2170.00
WT. OF D.C.	12		
WT. OF STRING	85		

BIT RECORD

BIT NO.	1
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX20G
SERIAL NO.	6038026
JETS	3 X
	11.9
DEPTH OUT (m)	2163
DEPTH IN (m)	1859.73
TOTAL DRILLED (m)	303.27
TOTAL HRS RUN	38

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5-UP 2-DN rotating
TORQUE AT BOTTOM	4620
FILL ON BOTTOM (m)	0

MORNING TOUR — MUD RECORD

MUD TYPE: ht40 | WATER BASED [ ] | OIL BASED [X]

TIME	800	1000	1400
DENSITY (kg/m3)	48	47	46
FUNNEL VISCOSITY	955	955	960
FLUID LOSS (cm3)			
pH			
PVTm3	64.8	62.3	60.1

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GILSTONITE	10	SX
Soltex	10	SX
LIME	20	SX
Q-Wet	1	BBL

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2141.14	2144.80	D	30	11
2144.80	2150.80	D	0	15
2150.80	2154.25	D	30	11
2154.25	2160.25	D	0	15
2160.25	2163	D	30	11
2163	2169.92	D	0	15

CIRCULATION PRESSURE kPa: 7560

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	95

REDUCED PUMP SPEED: 2610 @ 2132 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2090.59	29.0	15.6
2119.14	28.5	17.6
2128.80	28.6	17.5
2138.25	28.4	16.6
2147.92	28.0	14.6

DRILLER SIGNATURE: KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1200	4.00	2	DRILL F/ 2110m to 2135.14m
1200	1215	0.25	7	RIG SERVICE - FUNCTION TEST HCR VALVE - CHECK RSPP
1215	1445	2.50	2	DRILL F/ 2135.14m to 2163m
1445	1615	1.50	10	ACCUMULATED SURVEY TIME
1615	1700	0.75	5	CIRCULATE BOTTOMS UP
1700	1845	1.75	6	WIPER TRIP TO WINDOW 1859m - FLOW CHECK @ 2135m
1845	2000	1.25	2	DRILL F/ 2163m to 2170m
2000				

NOTES : CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # G-6 FUELING UP CREW TRUCK, G-10 DRIVING CREW TRUCK

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		DRIVING CREW TRUCK		16141

MORNING TOUR — CREW

FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS		YES	NO / INJURIES
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		JASON SMITH	12			JS
LEASE HAND		BRIAN JULIAN	12			BJ

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
15	BRIAN WYATT
	AL KOZAKEWICH

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	25	
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
71	DRILL PIPE STANDS		2008.69
	DRILL PIPE SINGLES		
KELLY DOWN			-2249.70
TOTAL			28.63
WT. OF D.C.	12		
WT. OF STRING	85		

BIT RECORD

BIT NO.	1
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX20G
SERIAL NO.	6038026
JETS	3 X
	11.9
DEPTH OUT (m)	2249.70
DEPTH IN (m)	1859.73
TOTAL DRILLED (m)	389.97
TOTAL HRS RUN	48

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	5- UP 3-DN
TORQUE AT BOTTOM	5700
FILL ON BOTTOM (m)	

DAY TOUR — MUD RECORD

MUD TYPE: INVERT | WATER BASED [ ] | OIL BASED [X]

TIME	2400	0300	600
DENSITY (kg/m3)	980	980	985
FUNNEL VISCOSITY	50	48	49
FLUID LOSS (cm3)			
pH			
PVT	68.3	67.5	66.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
AMMODRILL	10	M3
CALCIUM CHLORIDE	10	SX
LIME	24	SX
Q-mul2	1	BBL

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2170	2192	D	30	10
2192	2249.70	D	0	15

CIRCULATION PRESSURE kPa: 7830

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	95

REDUCED PUMP SPEED: 2550 @ 2191 @ 52

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2157.55	27.5	13.6
2167.1	26.6	12.1
2176.71	26.6	11.0
2186.18	26.2	10.4
2195.83	25.4	9.8
2205.31	25.1	14.0

DRILLER SIGNATURE: BRIAN WYATT

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	SAFETY MEETING
2015	2245	2.50	2	DRILL FR 2170m TO 2192m
2245	2300	0.25	7	RIG SERVICE FUNCTION LOWER PIPE RAMS C/O 5secs
2300	630	7.50	2	DRILL FR 2192m TO 2249m
630	800	1.50	10	ACCUMULATED SURVEY TIME
800				2214.96m INC 26.1 AZI 16.6
				2224.47m INC 26.6 AZI 19.3
				MJ SLSC 6253 MJ ACCUM 26964
				ACCUMULATOR @31CM

NOTES : CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FAST LINE CLAMP FUNCTION CROWN

SAVER FUNCTION REMOTE CHOKE O/C 10secs FUNCTION PASON ALARMS CHECKED BOP AND

MANIFOLD VALVE ALIGNMENT REVIEWED JSA A-5 CLIMBING DERRICK D-2 RIG SERVICE TOP

DRIVE

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		CLIMBING DERRICK	94	15634

DAY TOUR — CREW

FROM 2000 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO / INJURIES
DRILLER		BRIAN WYATT	12			BW
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
LEASE HAND		FREDDY CARPENTER	12			FC
FLOOR HAND		MOSES LORD	12			ML
FLOOR HAND		BILL HETHERINGTON	12			BH

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
15	BRIAN WYATT

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Slick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

WEATHER

YEAR	MONTH	DAY
2005	8	26

RIG NO. 58

FUEL @ 08:00 HRS

RIG 124 | BOILER

TEMPERATURE

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF		F-1000	EMSCO	254
								F-1000	EMSCO	254

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	DIR.	RIG ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	DP FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050826_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

TIMES

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		9.25					0.25			2.5																12.00
DAY		9.75					0.25			1.75											0.25						12.00
TOTAL		19.00					0.50			4.25											0.25						24.00

SHALE SHAKER (S)		RENTALS / SERVICES	MORNING	DAY
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	912	394
SCREENS CHANGED		NEW / USED	ACCUM MJ	162	58
TOP 175		TOP 175	MJ SLC	162	58
MIDDLE 175		MIDDLE 175	ACCUM OIL LEVEL	.32	
BOTTOM 175		BOTTOM 175			

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	8	26

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2703

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT	O.D.	.25
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
42	DRILL PIPE STANDS		1779.92
	DRILL PIPE SINGLES		
KELLY DOWN			-23.56
TOTAL			2026.00
WT. OF D.C.	12		
WT. OF STRING	75		

BIT RECORD

BIT NO.	1
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX20G
SERIAL NO.	6038026
JETS	3 X
	11.9
DEPTH OUT (m)	2026
DEPTH IN (m)	1859.73
TOTAL DRILLED (m)	166.27
TOTAL HRS RUN	21.75

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	1-2 up & dn
TORQUE AT BOTTOM	4430
FILL ON BOTTOM (m)	0

MORNING TOUR

MUD RECORD

MUD TYPE invert | WATER BASED ☐ | OIL BASED ☒

TIME	800	1000	1400
DENSITY (kg/m3)	940	940	940
FUNNEL VISCOSITY	42	43	43
FLUID LOSS (cm3)			
pH			
PVT,m3	63.8		65.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GILSTONITE	10	SX
Soltex	10	SX
LIME	40	SX
Q-mul2	1	BBL
Q-mul1	2	BBL
CALCIUM CHLORIDE	10	SX
VERSAMOD	2	BBL

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1992.74	1996.74	D	0	9
1996.74	2002.09	D	30	12
2002.09	2004.09	D	0	10
2004.09	2011.43	D	30	10
2011.43	2014.43	D	0	10
2014.43	2026	D	30	11

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7430	152	152	95

REDUCED PUMP SPEED

2470 @ 1961 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1957.62	28.7	21.2
1967.74	29.9	20.5
1976.74	30.5	20.1
1986.09	29.4	17.8
1995.43	28.2	14.6
2005.03	27.9	13.2

DRILLER SIGNATURE: KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1115	3.25	2	DRILL F/ 1944m to 1964m
1115	1130	0.25	7	RIG SERVICE - FUNCTION TEST BOTTOM PIPE RAMS 6 sec/cls
1130	1730	6.00	2	DRILL F/ 1964m to 2026m
1730	2000	2.50	10	ACCUMULATED SURVEY TIME
2000				

NOTES : CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # D-3 STAND CONNECTIONS W/ PIPE SCREEN, I-4 MIX MUD,

D-47 PREPARE FLOOR FOR TRIP, E-3 CROWN SERVICE & INSPECTION (GREASED CROWN)

TOPIC OF THE WEEK - ELECTRICAL HAZARD HUNT, INSPECTION OF TRIPPING EQUIPMENT

SPECIAL EVENT				SAFETY TOPIC	MEAL	MACP
TIME / DEPTH				CONNECTIONS		16543

MORNING TOUR FROM 800 TO 2000 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND		12		KV
DERRICK HAND		SHAWN WATSON		12		SW
MOTOR HAND		GREG ST.ARNAUD		12		GS
FLOOR HAND		JUSTIN MILLER		12		JM
FLOOR HAND		JASON SMITH		12		JS
LEASE HAND		BRIAN JULIAN		12		BJ

RATE SCHEDULE | REGULAR | | REPAIR | X | INVERT

CREW SAFETY DAYS	DRIVERS
14	BRIAN WYATT
	AL KOZAKEWICH

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT	O.D.	.25
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
65	DRILL PIPE STANDS		1865.50
	DRILL PIPE SINGLES		
KELLY DOWN			-25.14
TOTAL			2110.00
WT. OF D.C.	12		
WT. OF STRING	75		

BIT RECORD

BIT NO.	1
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX20G
SERIAL NO.	6038026
JETS	3 X
	11.9
DEPTH OUT (m)	2110
DEPTH IN (m)	1859.73
TOTAL DRILLED (m)	250.27
TOTAL HRS RUN	31.5

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	3-UP 2-DN
TORQUE AT BOTTOM	5500
FILL ON BOTTOM (m)	

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☒

TIME	1900	100	500
DENSITY (kg/m3)	945	950	950
FUNNEL VISCOSITY	42	43	45
FLUID LOSS (cm3)			
pH			
PVT	65.8	64.8	65

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
Q-mul1	2	BBL
Q-mul2	1	BBL
LIME	30	SX
BARAGEL 3000	1	SX
SAWDUST	5	SX
AMMODRILL	3	M3

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2026	2110	D	30	9

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7380	152	152	95

REDUCED PUMP SPEED

2920 @ 2048 @ 56

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2014	27.7	30.0
2039	27.0	12.0
2033	26.6	11.3
2042	27.3	10.1
2052	28.0	9.4
2061	28.3	10.2

DRILLER SIGNATURE: BRIAN WYATT

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	SAFETY MEETING TOPIC OT THE WEEK ELECTRICAL HAZARD HUNT
2015	2330	3.25	2	DRILL FR 2026m TO 2048m
2330	2345	0.25	7	RIG SERVICE FUNCTION UPPER PIPE RAMS C/O 5secs
2345	615	6.50	2	DRILL ACTUAL 2046m TO 2110m
615	800	1.75	10	ACCUMULATED SURVEY TIME
800				
				MJ SLSC 5010 MJ ACCUM 25721
				ACCUMULATOR@31CM

NOTES : CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FAST LINE CLAMP FUNCTION CROWN SAVER

FUNCTION REMOTE CHOKE O/C 10 secs CHECKED BOP AND MANIFOLD VALVE ALIGNMENT

REVIEWED JSA A-2 WORK @ HEIGHTS

SPECIAL EVENT				SAFETY TOPIC	MEAL	MACP
TIME / DEPTH				ELECTRICAL HAZARDS	85	16543

DAY TOUR FROM 2000 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	12			BW
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
LEASE HAND		FREDDY CARPENTER	12			FC
FLOOR HAND		MOSES LORD	12			ML
FLOOR HAND		BILL HETHERINGTON	12			BH

RATE SCHEDULE | REGULAR | | REPAIR | X | INVERT

CREW SAFETY DAYS	DRIVERS
14	BRIAN WYATT

LICENCE NO.	WELL NAME & NO.
	PARAMOUNT ET AL LIARD K-29A
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R M

YEAR	MONTH	DAY
2005	8	25

RIG NO. 58

FUEL @ 08:00 HRS

RIG 144 | BOILER

WEATHER: TEMPERATURE | CURRENT CONDITIONS | WIND DIRECTION | ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DP	127	29.02	E2			4.5 IF		F-1000	EMSCO	254
								F-1000	EMSCO	254

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050825_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIMES	CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
	MORN		2.5			1.0	4.5					3.0									1.0							12.00
	DAY		7.0			0.25	3.0	0.25			0.5										0.75	0.25						12.00
	TOTAL		9.50			1.25	7.50	0.25			0.50	3.00									1.75	0.25						24.00

SHALE SHAKER (S)		RENTALS / SERVICES	MORNING	DAY
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	912	394
SCREENS CHANGED		NEW / USED	ACCUM MJ	162	58
TOP 175	TOP 175		MJ SLC	162	58
MIDDLE 175	MIDDLE 175		ACCUM OIL LEVEL	.32	
BOTTOM 175	BOTTOM 175				

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	8	25

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2702

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT	25	
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	X/O SUB	160	.61
1	UBHO SUB	160	.49
1	X/O SUB	160	.61
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
57	DRILL PIPE STANDS		
1	DRILL PIPE SINGLES		1646.71
	KELLY DOWN		-.82
	TOTAL		1887.70
	WT. OF D.C.	12	
	WT. OF STRING	75	

BIT RECORD

BIT NO.	1
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX20G
SERIAL NO.	6038026
JETS	3 X
	11.9
DEPTH OUT (m)	1887.7
DEPTH IN (m)	1859.73
TOTAL DRILLED (m)	27.97
TOTAL HRS RUN	5.5

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MORNING TOUR — MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	X
TIME	1000				
DENSITY (kg/m3)	940				
FUNNEL VISCOSITY	47				
FLUID LOSS (cm3)					
pH					
PVT.m3	69.6				

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CALCIUM CHLORIDE	10	SX
LIME	20	SX
Q-mul2	1	BBL
Q-mul1	2	BBL
BARITE	20	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7140	152		152	95

REDUCED PUMP SPEED

@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1873.77	9.3	37.3

DRILLER SIGNATURE

KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1869.6	1887.7	D	0	6

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	945	1.75	11	PULL WIRE LINE, MAKE CONNECTION & RUN BACK IN WITH WIRELINE
945	1215	2.50	2	DRILL FR 1869m TO 1887m SLIDING
1215	1315	1.00	5	CIRCULATE BOTTOMS UP
1315	1430	1.25	11	PULL OUT WIRELINE & LAYDOWN SIDE ENTRY SUB
1430	1900	4.50	6	PULL OUT OF HOLE - FLOW CHECK @ 1886m, 281m (57 stds),OUT OF HOLE
1900	2000	1.00	20	PICK UP DIRECTIONAL TOOLS
				TRIP RECORD CAL = 8.72m3
				MEA = 9.36m3
				DIFF = .64m3

NOTES : CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA D-25 CHANGE TONG DIES, D-4 CONNECTIONS W/ SINGLES

D-10 OPERATE PIPE SPINNER, D-20 MAKE UP DIRECTIONAL TOOLS

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				WIRELINE		16452

MORNING TOUR — CREW

FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		JASON SMITH	12			JS
LEASE HAND		BRIAN JULIAN	12			BJ

INJURIES

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
13	BRIAN WYATT
	AL KOZAKEWICH

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT	25	
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	NMDC	163	9.14
1	TRANSMITTER SUB	163	1.46
1	NMDC	166	9.47
1	NMDC	166	9.47
7	SPIRAL HWDP	161	64.55
1	X/O SUB	156	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
59	DRILL PIPE STANDS		
1	DRILL PIPE SINGLES		1694.51
	KELLY DOWN		-19.22
	TOTAL		1944.93
	WT. OF D.C.	12	
	WT. OF STRING	75	

BIT RECORD

BIT NO.	1
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX20G
SERIAL NO.	6038026
JETS	3 X
	11.9
DEPTH OUT (m)	1944.93
DEPTH IN (m)	1859.73
TOTAL DRILLED (m)	85.20
TOTAL HRS RUN	12.5

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR — MUD RECORD

MUD TYPE		WATER BASED		OIL BASED	X
TIME	200	400	600		
DENSITY (kg/m3)	940	935	940		
FUNNEL VISCOSITY	47	45	46		
FLUID LOSS (cm3)					
pH					
PVT	65.5	65	65.2		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARAGEL 3000	1	SX
CALCIUM CHLORIDE	20	SX
LIME	40	SX
Q-mul1	2	BBL
Q-mul2	1	BBL

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
6120	152		152	96

REDUCED PUMP SPEED

2560	@	1906	@	54

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1881	11.7	26.0
1890	14.1	31.0
1900	15.7	33.6

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1877	1944	D	0	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	SAFETY MEETING
2015	2045	0.50	20	PICK UP DIRECTIONAL TOOLS FUNCTION BLIND RAMS PRIOR TO RIH C/O 4 secs
2045	2200	1.25	6	RUN IN HOLE WITH BIT #1 16 STDS FILL PIPE @ 730m
2200	2215	0.25	20	PULSE CHECK MOTOR
2215	2400	1.75	6	RUN IN HOLE WITH BIT #1
2400	0015	0.25	7	RIG SERVICE FUNCTION ANNULAR C/O 24secs
0015	0030	0.25	5	ACCUMULATED FILL PIPE TIME @ 730m,1190m,1821m
0030	730	7.00	2	DRILL FR 1877m TO 1944m
730	800	0.50	10	ACCUMULATED SURVEY TIME
800				
				MJ SLSC 4498 MJ ACCUM 25209
				ACCUMULATOR@ 31cm

NOTES : CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FUNCTION CROWN SAVER

CHECKED BOP AND MANIFOLD VALVE ALIGNMENT REVIEWED JSA D-20 MAKE UP

DIRECTIONAL TOOLS D-6 TRIP IN HOLE WITH TOP DRIVE FUNCTION REMOTE CHOKE

C/O 10secs

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				TRIPPING	76	16543

DAY TOUR — CREW

FROM 2000 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	12			BW
ASSIST DRILLER		KEVIN LAUCK	12			KL
DERRICK HAND		DOUG CHRISTIE	12			DC
MOTOR HAND		KENNETH LAUCK	12			KL
LEASE HAND		FREDDY CARPENTER	12			FC
FLOOR HAND		MOSES LORD	12			ML
FLOOR HAND		BILL HETHERINGTON	12			BH

INJURIES

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
13	BRIAN WYATT

LICENCE NO.	WELL NAME & NO.
	K-29
OPERATOR	**CONTRACTOR**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

WEATHER

YEAR	MONTH	DAY
2005	8	24

RIG NO. 58

FUEL @ 08:00 HRS

RIG 162 | BOILER

TEMPERATURE
CURRENT CONDITIONS
WIND DIRECTION
ROAD CONDITION

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DC										
DP	127	29.02	E2			4.5 IF		F-1000	EMSCO	254
								F-1000	EMSCO	254

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE: DIR.	RE-ENTRY: YES
OPERATOR'S AFE	
KELLY BSHG: 6.8	DP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050824_1B
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23 MILL	24 BHA	25 SIDEENTRY	26	TOTALS
MORN					4.0	5.25	0.25		0.5											1.0			1.0				12.00
DAY		3.0				2.75			0.5	0.25	1.25									1.0	0.25			2.25	1.75		12.00
TOTAL		3.00			4.00	8.00	0.25		1.00	0.25	1.25									2.00	0.25		1.00	2.25	1.75		24.00

SHALE SHAKER (S)

NO	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED | NEW / USED

TOP	TOP
175	175
MIDDLE	MIDDLE
175	175
BOTTOM	BOTTOM
175	175

RENTALS / SERVICES

	MORNING	DAY
TOTAL MJ	912	394
ACCUM MJ	162	58
MJ SLC	162	58
ACCUM OIL LEVEL	.32	

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
K-29	2005	8	24

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2701

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	W/MILL	216	.72
1	W/MM	216	1.53
1	BIT SUB	158	.77
1	SP HWDP	127	9.17
17	H.W.D.P.	127	159.86
1	X.O.	171	.47
6	D.C.	178	55.29
1	X.O.	171	1.12
57	DRILL PIPE STANDS		1637.32
	DRILL PIPE SINGLES		
	KELLY DOWN		
	TOTAL		1866.25
	WT. OF D.C.	8	
	WT. OF STRING	70	

BIT RECORD

BIT NO.	MILL # 2
SIZE	215.9
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	12383
JETS	
DEPTH OUT (m)	1859.73
DEPTH IN (m)	1855.5
TOTAL DRILLED (m)	4.23
TOTAL HRS RUN	7.25

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	
PVT,m3	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
2540	152		152	95

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

KEVIN VANDENBRAND

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE - FUNCTION TEST TOP PIPE RAMS 6 sec/cls
815	915	1.00	23	CLEAN UP & REAM WINDOW (TOP OF WINDOW @ 1852.75m BOTTOM @ 1859.73m)
915	1130	2.25	5	CIRCULATE (FILL MUD TANKS WITH INVERT)
1130	1315	1.75	5	DISPLACE TO INVERT
1315	1830	5.25	6	TRIP OUT OF THE HOLE (LAYDOWN COLLARS)
1830	1930	1.00	20	PICK UP DIRECTIONAL TOOLS FUNCTION BLIND RAMS C/O 5secs PRIOR TO RIH
1930	2000	0.50	9	CUT OFF DRILL LINE
2000				
				TRIP RECORD CAL = 9.24m3
				MEA = 9.58m3
				DIFF = .34m3

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

REVIEWED JSA # H-5 CLEAN MUD TANKS, H-6 TRANSFER INVERT TO TANKS

TOPIC OF THE WEEK RIG MOVE W/ TIRED TRUCKERS, REPORTING EQUIPMENT DAMANGE

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			TRANSFER INVERT		

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS	DRIVERS
12	BRIAN WYATT
	AL KOZAKEWICH

MORNING TOUR FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	12			KV
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		JUSTIN MILLER	12			JM
FLOOR HAND		JASON SMITH	12			
LEASE HAND		BRIAN JULIAN	12			BJ

INJURIES

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1			.25
1	MOTOR	159	8.35
1	X/O FLOAT	163	.64
1	X/O SUB	160	.61
1	UBHO SUB	160	.49
1	X/O SUB	160	.61
7	SPIRAL HWDP	161	64.55
1	X/O SUB	158	.44
1	JAR	162	5.51
1	X/O SUB	160	.50
17	H.W.D.P.	127	159.86
56	DRILL PIPE STANDS		1608.64
2	DRILL PIPE SINGLES		19.22
	KELLY DOWN		0
	TOTAL		1869.67
	WT. OF D.C.	12	
	WT. OF STRING	75	

BIT RECORD

BIT NO.	1
SIZE	216
IADC CODE	
MANUFACTURER	HUGHES
TYPE	MX20G
SERIAL NO.	6038026
JETS	3 X / 11.9
DEPTH OUT (m)	
DEPTH IN (m)	1859.73
TOTAL DRILLED (m)	9.94
TOTAL HRS RUN	3

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	530
DENSITY (kg/m3)	940
FUNNEL VISCOSITY	47
FLUID LOSS (cm3)	
pH	
PVT	77

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1859	1869.67	D	0	1

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
6960	152		152	95

REDUCED PUMP SPEED

2290 @ | @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	SAFETY MEETING
2015	2045	0.50	9	CUT OFF DRILL LINE 49m
2045	2300	2.25	24	MAKE UP DIRECTIONAL BHA MOTOR,X/O,JAR,HWDP FUNC ANNU C/024secs
2300	145	2.75	6	RUN IN HOLE WITH BIT #1 FILL PIPE 27stds IN 1019m
145	330	1.75	25	BREAK DOWN STD 57 PRIOR TO PICKING UP SIDE ENTRY TOOL AND SWIVEL
330	445	1.25	11	RUN IN WITH GYRO TOOL
445	745	3.00	2	DRILL FR 1859m TO 1869.67m
745	800	0.25	10	ACCUMULATED CHECK OF GYRO TOOL
800				
				MJ SLSC 1439 MJ ACCUM 22151 CUT 49 m
				ACCUMULATOR 31cm

NOTES: CHECKED DEADMAN ANCHOR FAST LINE CLAMP BRAKES AND LINKAGE SET AND FUNCTION

CROWN SAVER REVIEWED JSA D-11 SLIP AND CUT WITH TOP DRIVE D-20 MAKE UP

DIRECTIONAL TOOLS CHECKED BOP AND MANIFOLD VALVE ALIGNMENT

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			SLIP AND CUT	75	16452

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS	DRIVERS
12	BRIAN WYATT

DAY TOUR FROM 2000 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	12			BW
DERRICK HAND		KEVIN LAUCK	12			KL
MOTOR HAND		KENNETH LAUCK	12			KL
LEASE HAND		FREDDY CARPENTER	12			FC
FLOOR HAND		MOSES LORD	12			ML
FLOOR HAND		BILL HETHERINGTON	12			BH

INJURIES

LICENCE NO.	WELL NAME & NO.
	K-29
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Slick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

YEAR	MONTH	DAY
2005	8	23

RIG NO. 58

FUEL @ 08:00 HRS

RIG 86 | BOILER

WEATHER: TEMPERATURE; CURRENT CONDITIONS; WIND DIRECTION; ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DC	127	29.02	E2			4.5 IF		F-1000	EMSCO	254
DP								F-1000	EMSCO	254

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE: DIR.	RE-ENTRY: YES
OPERATOR'S AFE	
KELLY BSHG: 6.8	OP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM: AKTA58_20050823_1C	
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2	

CAODC

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRLG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24 SETWIP	25	26	TOTALS
TIME-HRS MORN						3.75															0.25			8.0			12.00
DAY						4.5															0.25			7.25			12.00
TOTAL						8.25															0.50			15.25			24.00

SHALE SHAKER (S)	NO	TYPE	TYPE
	2	Derrick FLC	Derrick FLC
SCREENS CHANGED		NEW / USED	
TOP	175	TOP	175
MIDDLE	175	MIDDLE	175
BOTTOM	175	BOTTOM	175

RENTALS / SERVICES	MORNING	DAY
TOTAL MJ	912	394
ACCUM MJ	162	58
MJ SLC	162	58
ACCUM OIL LEVEL	.32	

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
K-29	2005	8	23

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	2700

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
1	Whip Stock	203	5.65
1	TRI Mill	216	1.57
1	UBHO	165	.56
1	SSDS DP	127	9.69
17	H.W.D.P.	127	159.86
1	X.O.	171	.47
6	D.C.	178	55.29
1	X.O.	171	1.12
57	DRILL PIPE STANDS		1637.32
	DRILL PIPE SINGLES		
	KELLY DOWN		
	TOTAL		1871.53
	WT. OF D.C.	8	
	WT. OF STRING	70	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	900	1200
DENSITY (kg/m3)	1055	1055
FUNNEL VISCOSITY	28	28
FLUID LOSS (cm3)		
pH	6.5	6.5

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
3300	152		152	94

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	SAFETY MEETING
815	830	0.25	24	SET WIPSTOCK @1853.05m TOP OF WINDOW 2 1855.5m
830	1615	7.75	24	MILL WINDOW FR 1853.04m TO 1855.5m
1615	2000	3.75	6	PULL OUT OF HOLE
2000				

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE FUNCTION REMOTE CHOKE O/C 10secs
CHECKED BOP AND MANIFOLD VALVE ALIGNMENT REVIEWED JSA D-36 RIG UP AND OUT WIRE
LINE RIG IN AND FUNCTION FLARE AGNITER

SPECIAL EVENT	SAFETY TOPIC	MEH.	MACP
TIME / DEPTH	RIG OUT WIRE LINE	85	14313

MORNING TOUR FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	8			BW
DERRICK HAND		KEVIN LAUCK	8			KL
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 11

DRIVERS: BRIAN WYATT; AL KOZAKEWICH

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
1	W/MILL	216	.72
1	W/MM	216	1.53
1	BIT SUB	158	.77
1	SP HWDP	127	9.17
17	H.W.D.P.	127	159.86
1	X.O.	171	.47
6	D.C.	178	55.29
1	X.O.	171	1.12
57	DRILL PIPE STANDS		1637.32
	DRILL PIPE SINGLES		
	KELLY DOWN		
	TOTAL		1866.25
	WT. OF D.C.	8	
	WT. OF STRING	70	

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	
PVT,m3	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN 0 | HRS RUN 0 — BOILER pH | BOILER pH — STACK TEMP | STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
2300	152	93	152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2130	1.50	6	CHANGE OUT BHA.
2130	0030	3.00	6	TRIP IN HOLE (FILL EVERY 600m)
0030	0045	0.25	21	SAFETY MEETING
0045	215	1.50	24	REMILL WINDOW FR 1853m TO 1855.60m
215	800	5.75	24	MILL WINDOW FR 1853.26m TO 1860.73m
800				
				REVIEWED JSA D- 5 PULL OUT OF HOLE
				D-6 TRIP IN HOLE
				ACCUMULATOR @ 31cm
				MJ SLSC 19182 MJ ACCUM 19182

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

SPECIAL EVENT	SAFETY TOPIC	MEH.	MACP
TIME / DEPTH	TRIPPING	80	14131

DAY TOUR FROM 2000 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		KEVIN VANDENBRAND	8			KV
DERRICK HAND		SHAWN WATSON	8			SW
MOTOR HAND		GREG ST.ARNAUD	8			GS
FLOOR HAND		JUSTIN MILLER	8			JM
FLOOR HAND		JASON SMITH	8			JS
LEASE HAND		BRIAN JULIAN	8			BJ
DRILLER		BRIAN WYATT	8			
DERRICK HAND		KEVIN LAUCK	8			KL
MOTOR HAND		KENNETH LAUCK	8			KL
LEASE HAND		FREDDY CARPENTER	8			FC
FLOOR HAND		MOSES LORD	8			ML
FLOOR HAND		BILL HETHERINGTON	8			BH

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 11

DRIVERS

LICENCE NO.	WELL NAME & NO.
	K-29
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CADOC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

YEAR	MONTH	DAY
2005	8	22

RIG NO. 58

FUEL @ 08:00 HRS

RIG 99 | BOILER

WEATHER: TEMPERATURE; CURRENT CONDITIONS; WIND DIRECTION; ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF		F-1000	EMSCO	254
									F-1000	EMSCO	254

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	DP F.UEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050822_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 Strap Pipe	23 Handle Tools	24 Set Whip	25	26	TOTALS
MORN						8.25					2.25			0.5	0.25						0.5	0.25					12.00
DAY					1.75	4.5															0.25		1.75	3.75			12.00
TOTAL					1.75	12.75					2.25			0.50	0.25						0.75	0.25	1.75	3.75			24.00

SHALE SHAKER (S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED: NO | NEW USED: USED

TOP	TOP
175	175
MIDDLE	MIDDLE
175	175
BOTTOM	BOTTOM
175	175

RENTALS / SERVICES	MORNING	DAY
TOTAL MJ	912	394
ACCUM MJ	162	58
MJ SLC	162	58
ACCUM OIL LEVEL	.32	

DRILLING CREW PAYROLL DATA

WELL NAME & NO.		YEAR	MONTH	DAY
K-29		2005	8	22
OPERATOR	CONTRACTOR			
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.			
RIG MANAGER		RIG NO.		
DAVE LAUCK		58		
PROVINCE	CAMP X YES NO	RIG SAFETY DAYS		
N.W.T.		2699		

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH

DRILL PIPE STANDS
DRILL PIPE SINGLES
KELLY DOWN
TOTAL
WT. OF D.C.
WT. OF STRING

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN | 0 | HRS RUN | 0 — BOILER pH | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE | PUMP NO. 2 SPM

152 | 152

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: BRIAN WYATT

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	SAFETY MEETING
815	830	0.25	6	RUN IN 13 SINGLES HWDP & 2 SINGLES E-3 DP FOR CASING INTEGRITY TEST
830	900	0.50	14	CHANGE OUT 178mm CASING RAMS TO 127mm DP RAMS
900	915	0.25	15	INTEGRITY PRESURE TEST 244 mm CASING TO 14000kpa HOLD 10min
915	945	0.50	6	PULL OUT 13 SINGLES HWDP & 2 SINGLES DP
945	1200	2.25	11	RIG UP TO & RUN WIRE LINE CEMENT PLUG @ 1861.5m
1200	1315	1.25	6	MAKE UP BHA AND RUN HOLE TO TAG CEMENT PLUG
1315	1330	0.25	21	SAFETY MEETING WITH RIG JACKERS
1330	1645	3.25	6	RUN IN HOLE TO TAG CEMENT PLUG
1645	1700	0.25	22	ACCUMULATED STRAP PIPE TIME STRAP 1874.23m/PASON 1874.29m
1700	2000	3.00	6	PULL OUT TO RUN WIP STOCK
2000				

NOTES : CHECKED DEADMAN ANCHOR FAST LINE CLAMP BRAKES AND LINKAGE
REVIEWED JSA L-6 RIG JACKING JSA D-6TRIPPING IN HOLE M-12 PRESSURE TESTING
M-2 REMOVING AND REPLACING RAMS

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: TRIPPING IN AND OUT | MEHL: 75 | MACP

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 10

DRIVERS: BRIAN WYATT; AL KOZAKEWICH

MORNING TOUR — FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	12			BW
DERRICK HAND		KEVIN LAUCK	12			KL
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC
W.S.C.		AL KOZAKEWICH	12			AK

INJURIES

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	Whip Stock	203	5.65
1	TRI Mill	216	1.57
1	UBHO	165	.56
1	SSD5 DP	127	9.69
17	H.W.D.P.	127	159.86
1	X.O.	171	.47
6	D.C.	178	55.29
1	X.O.	171	1.12
57	DRILL PIPE STANDS		
	DRILL PIPE SINGLES		1637.32

KELLY DOWN
TOTAL 1871.53
WT. OF D.C. 8
WT. OF STRING 73

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: T1 | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED X | OIL BASED

TIME | DENSITY (kg/m3) 1000 | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0

BOILERS: 1 | 2 — HRS RUN | 0 | HRS RUN | 0 — BOILER pH | STACK TEMP

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa: 2800 | PUMP NO. 1 LINER SIZE: 152 | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE: 152 | PUMP NO. 2 SPM: 90

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	Pre-Tour Safety Meeting
2015	2045	0.50	6	Pull Out Of Hole
2045	2230	1.75	23	Make Up Whip Stock
2230	0230	4.00	6	Run In Hole with Whip Stock
0230	0415	1.75	5	Brk. Circ. @ 1840m & Circulate Pipe Clean
0415	0800	3.75	24	Orientate Whip Stock With Wireline Gyro
				Set Whip @ 1853m/Rig Out Wireline Gyro

NOTES : Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-6 Trip In Hole With Top Drive

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Run Whip Stock | MEHL | MACP

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 10

DRIVERS

DAY TOUR — FROM 2000 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		JONATHAN GREEN	12			JG
LEASE HAND		BRIAN JULIAN	12			BJ

INJURIES

LICENCE NO.	WELL NAME & NO.
	K-29
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Slick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

YEAR	MONTH	DAY
2005	8	21

RIG NO. 58

FUEL @ 08:00 HRS

RIG 110 | BOILER

WEATHER: TEMPERATURE; CURRENT CONDITIONS; WIND DIRECTION; ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF		F-1000	EMSCO	254
									F-1000	EMSCO	254

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE: DIR.	RE-ENTRY: YES
OPERATOR'S AFE	
KELLY BSHG: 6.8	OP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050821_1B
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 STRAP	23 WAIT	24	25	26	TOTALS
MORN					1.75	7.0	0.25				9.0										0.25	1.0	1.75				12.00
DAY						2.75															0.25						12.00
TOTAL					1.75	9.75	0.25				9.00										0.50	1.00	1.75				24.00

SHALE SHAKER (S)				RENTALS / SERVICES	MORNING	DAY
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	907	954
SCREENS CHANGED		NEW / USED		ACCUM MJ	118	18
TOP 175	MIDDLE 175	TOP 175	MIDDLE 175	MJ SLC	118	18
BOTTOM 175		BOTTOM 175		ACCUM OIL LEVEL	.32	

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
K-29	2005	8	21

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2698

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	MILL	217	.59
1	Scraper	220	1.09
1	BIT SUB	146	.59
1	JAR	158	2.24
1	X.O.	170	.59
6	D.C.	178	55.29
1	X.O.	171	1.12
17	H.W.D.P.	127	159.86
229	DRILL PIPE STANDS		2189.70
	DRILL PIPE SINGLES		
KELLY DOWN			-1.99
TOTAL			2409.08
WT. OF D.C.	8		
WT. OF STRING			

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
1777	152		152	74

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: BRIAN WYATT

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	SAFETY MEETING WITH PICKER OPERATOR LAY DOWN HAND
815	830	0.25	22	STRAP PIPE
830	900	0.50	6	PICK UP 127mm DRILL PIPE E-2
900	930	0.50	5	CIRCULATE HOLE DRILL PIPE U TUBING
930	1200	2.50	6	PICK UP 127mm DRILL PIPE E-2
1200	1345	1.75	23	CIRCULATE WAIT ON 127mm DRILL PIPE E-3 @ 1849m
1345	1415	0.50	22	UNLOAD AND STRAP PIPE
1415	1545	1.50	6	PICK UP AND RUN IN 127mm DRILL PIPE E-3
1545	1600	0.25	22	STRAP PIPE
1600	1700	1.00	6	PICK UP 127mm DRILL PIPE E-3
1700	1815	1.25	5	CIRCULATE BOTTOMS UP
1815	1830	0.25	7	RIG SERVICE FUNCTION ANNULAR C/O 24 secs
1830	2000	1.50	6	PULL OUT OF HOLE TO RUN CEMENT PLUG WITH WIRE LINE
2000				

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE CHECKED BOP AND MANIFOLD VALVE

ALIGNMENT REVIEWED JSA G-29 PICK UP DRILL PIPE WITH LAY DOWN TRUCK

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			PICK UP DRILL PIPE	85	

MORNING TOUR	FROM 800	TO 2000	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	12			BW
DERRICK HAND		KEVIN LAUCK	12			KL
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC
W.S.C.		AL KOZAKEWICH	12			AK

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
9	

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
	DRILL PIPE STANDS		
	DRILL PIPE SINGLES		
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED ☐

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	Pre-Tour Safety Meeting
2015	2300	2.75	6	Pull Out Of Hole Flow Check 35stds./HWDP & Out Of Hole
2300	0200	3.00	11	Rig In Wireline & Run (#1) 244.5mm Bridge Plug Set @ 2401.4m
0200	0300	1.00	11	Run #2 Wireline Cement Plug
0300	0430	1.50	11	Run #3 Wireline Cement Plug
0430	0700	2.50	11	Run #4 Bond Log
0700	0800	1.00	11	Run #5 Bridge Plug

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA D-5 Pulling Out Of Hole/D-36 Rig In Wire Line

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			Tripping		

DAY TOUR	FROM 2000	TO 800	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		JONATHAN GREEN	12			JG
LEASE HAND		BRIAN JULIAN	12			BJ

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
9	

LICENCE NO.	WELL NAME & NO.
	K-29
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

WEATHER

YEAR	MONTH	DAY
2005	8	20

RIG NO. 58

FUEL @ 08:00 HRS

RIG 127 | BOILER

TEMPERATURE
CURRENT CONDITIONS
WIND DIRECTION
ROAD CONDITION

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DC										
DP	127	29.02	E2			4.5 IF		F-1000	EMSCO	254
								F-1000	EMSCO	254

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE DIR.	RE-ENTRY YES
OPERATOR'S AFE	
KELLY BSHG 6.8	OP. FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050820_1B
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 Handle Tools	23	24	25	26	TOTALS
MORN																			11.5		0.5						12.00
DAY						6.75													2.75		0.25	2.25					12.00
TOTAL						6.75													14.25		0.75	2.25					24.00

SHALE SHAKER (S)

NO	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED: NO | NEW USED: USED

TOP	TOP
175	175
MIDDLE	MIDDLE
175	175
BOTTOM	BOTTOM
175	175

RENTALS / SERVICES	MORNING	DAY
TOTAL MJ	903	860
ACCUM MJ	7724	
MJ SLC	7724	
ACCUM OIL LEVEL	.32	

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
K-29	2005	8	20

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2697

MORNING TOUR

FROM 800 TO 2000

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH

DRILL PIPE STANDS
DRILL PIPE SINGLES
KELLY DOWN
TOTAL
WT. OF D.C.
WT. OF STRING

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	SAFETY MEETING WITH WIRE LINE HANDS RUN IN WITH CHEM CUT TOOL
815	1000	1.75	19	RUN #2 CHEMICAL CUT TOOL @ 2403M STRING WT TO RELEASE 185DaN
				STRING WT 100DaN RETRIEVE WIRE LINE
1000	1015	0.25	19	RIG OUT WIRE LINE
1015	1045	0.50	19	LAY OUT FISHING TOOLS
1045	1145	1.00	19	RIG UP POWER TONGS AND LAY DOWN TRUCK
1145	1200	0.25	21	SAFETY MEETING WITH POWER TONG & LAY DOWN HANDS
1200	1230	0.50	19	BREAK DOG NUT AND PUP JT LAY OUT 178mm
1230	1345	1.25	19	TROUBLE SHOOT POWER TONGS TURN UP HYDRAULIC PRESSURE
1345	1945	6.00	19	LAY OUT 178mm CASING
1945	2000	0.25	19	SERVICE LAY DOWN UNIT
2000				

NOTES: CHECKED DEADMAN ANCHOR BRAKES AND LINKAGE REVIEWED JSA G-37 RUNNING STRINGSHOT
WITH WIRE LINE REVIEWED AND DEVELOPE JSA M-16 SHEARING THE DRILL STRING
JSA D-27 RIG IN POWER TONGS G-27 RIG IN PIPE HANDLES

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		WIRE LINE	185	

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
8	

MORNING TOUR — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	12			BW
DERRICK HAND		KEVIN LAUCK	12			KL
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC
W.S.C.		AL KOZAKEWICH	12			AK

DAY TOUR

FROM 2000 TO 800

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	MILL	217	.59
1			

DRILL PIPE STANDS
DRILL PIPE SINGLES
KELLY DOWN
TOTAL 0.59
WT. OF D.C.
WT. OF STRING

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	Pre-Tour Safety Meeting
2015	2245	2.50	19	Lay Down 178mm Casing
2245	2300	0.25	19	Rig Out Power Tongs
2300	0115	2.25	22	Strap 178mm D.C./127mm HWDP For BHA
0115	800	6.75	6	Pick Up BHA with Lay Down Truck & Run In Hole
				Brk. Circulation @ 950m

NOTES: Checked: Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-27 Working With Power Tongs/G-35 Working With Lay Down Truck

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		Lay Down Truck		

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
8	

DAY TOUR — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		JONATHAN GREEN	12			JG
LEASE HAND		BRIAN JULIAN	12			BJ

LICENCE NO.	WELL NAME & NO.
	K-29
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

YEAR	MONTH	DAY
2005	8	19

RIG NO. 58

FUEL @ 08:00 HRS

RIG 146 BOILER

WEATHER: TEMPERATURE; CURRENT CONDITIONS; WIND DIRECTION; ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DP	127	29.02	E2			4.5 IF		F-1000	EMSCO	254
									F-1000	EMSCO	254

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP. FUEL	
CONTRACTOR'S JOB NUM.			
TOUR SHEET SERIAL NUM	AKTA58_20050819_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRLG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 WAIT	23	24	25	26	TOTALS
MORN							0.25				4.25								6.75		0.25	0.5					12.00
DAY																			2.5		0.25	9.25					12.00
TOTAL							0.25				4.25								9.25		0.50	9.75					24.00

SHALE SHAKER (S)			RENTALS / SERVICES	MORNING	DAY
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	901	929
SCREENS CHANGED	NO	NEW USED	USED ACCUM MJ	5793	
TOP 175		TOP 175	MJ SLC	5793	
MIDDLE 175		MIDDLE 175	ACCUM OIL LEVEL	.32	
BOTTOM 175		BOTTOM 175			

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
K-29	2005	8	19

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2696

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH

DRILL PIPE STANDS
DRILL PIPE SINGLES
KELLY DOWN
TOTAL
WT. OF D.C.
WT. OF STRING

BIT RECORD

BIT NO.
SIZE
IADC CODE
MANUFACTURER
TYPE
SERIAL NO.
JETS
DEPTH OUT (m)
DEPTH IN (m)
TOTAL DRILLED (m)
TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ____ WATER BASED ☐ OIL BASED ☐

TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: BRIAN WYATT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	PRETOUR SAFETY MEETING
815	1000	1.75	19	CHEMICAL RUN TOOL TIGHT ATTEMPT TO WORK FREE
1000	1045	0.75	19	ATTEMPT TO CIRCULATE CASING BACK SIDE 244 mm CASING
1045	1445	4.00	11	RIG IN WIRE LINE TO FREE POINT
1445	1500	0.25	11	RIG OUT WIRE LINE FREE POINT TOOLS
1500	1515	0.25	7	RIG SERVICE FUNCTION LOWER RAMS C/O 5 sces
1515	1730	2.25	19	RUN IN WITH STRING SHOT #1 MALFUNCTIONING CCL DEPTH 2402m
1730	1930	2.00	19	RUN IN WITH STRING SHOT #2 TO 2402m MISRUN
1930	2000	0.50	22	WAIT ON TOOLS
2000				

NOTES: CHECK DEADMAN ANCHOR FAST LINE CLAMP BRAKES AND LINKAGE
REVIEWED JSA D-36 RIG UP & OUT WIRE LINE G-1 WORKING WITH FISHING TOOLS
D-27 RIG IN POWER TONGS G-27 RIG IN & OUT PIPE HANDLERS DEVELOP JSA G-37 ON
RUNNING WIRE LINE WITH STRING SHOT

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			WORK WITH FISH TOOL	208	

MORNING TOUR FROM 800 TO 2000 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	12			BW
DERRICK HAND		KEVIN LAUCK	12			KL
MOTOR HAND		KENNETH LAUCK	12			KL
FLOOR HAND		BILL HETHERINGTON	12			BH
FLOOR HAND		MOSES LORD	12			ML
LEASE HAND		FREDDY CARPENTER	12			FC
W.S.C.		AL KOZAKEWICH	12			AK

RATE SCHEDULE X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 7

DRIVERS

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH

DRILL PIPE STANDS
DRILL PIPE SINGLES
KELLY DOWN
TOTAL
WT. OF D.C.
WT. OF STRING

BIT RECORD

BIT NO.
SIZE
IADC CODE
MANUFACTURER
TYPE
SERIAL NO.
JETS
DEPTH OUT (m)
DEPTH IN (m)
TOTAL DRILLED (m)
TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ____ WATER BASED ☐ OIL BASED ☐

TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	Pre-Tour Safety Meeting
2015	530	9.25	22	Wait On Tools
530	800	2.50	19	Run In With String Shot #1

NOTES: Checked; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA G-37 Run Wireline Stringshot/A-19 Safe Work Practices

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			Wireline String Shot		

DAY TOUR FROM 2000 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		JONATHAN GREEN	12			JG
LEASE HAND		BRIAN JULIAN	12			BJ

RATE SCHEDULE X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 7

DRIVERS

LICENCE NO.	WELL NAME & NO.
	K-29
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

YEAR	MONTH	DAY
2005	8	18

RIG NO. 58

FUEL @ 08:00 HRS

RIG 162 | BOILER

WEATHER: TEMPERATURE; CURRENT CONDITIONS; WIND DIRECTION; ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
								F-1000	EMSCO	254
								F-1000	EMSCO	254

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE: DIR.	RE-ENTRY: YES
OPERATOR'S AFE	
KELLY BSHG: 6.8	DF FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM: AKTA58_20050818_1B	
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2	

CAODC

PASON

TIMES - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 wireline	23	24	25	26	TOTALS
MORN														7.25	4.5						0.25					12.00
DAY											3.25				6.0				2.5		0.25					12.00
TOTAL											3.25			7.25	10.50				2.50		0.50					24.00

SHALE SHAKER (S)				RENTALS / SERVICES	MORNING	DAY
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	901	343
SCREENS CHANGED: NO	NEW / USED: USED			ACCUM MJ	5207	
TOP 175	TOP 175			MJ SLC	5207	
MIDDLE 175	MIDDLE 175			ACCUM OIL LEVEL	.32	
BOTTOM 175	BOTTOM 175					

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
K-29	2005	8	18

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES ☐ NO	2695

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH

LICENCE NO.	WELL NAME & NO.
	K-29
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted If Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

DPR	R M

YEAR	MONTH	DAY
2005	8	17

RIG NO. 58

FUEL @ 08:00 HRS

RIG 176 | BOILER

WEATHER: TEMPERATURE | CURRENT CONDITIONS | WIND DIRECTION | ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/ DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
								F-1000	EMSCO	254
								F-1000	EMSCO	254

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	DP FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050817_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

TIMEHRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN												8.25		3.5							0.25						12.00
DAY														11.75							0.25						12.00
TOTAL												8.25		15.25							0.50						24.00

SHALE SHAKER (S)		RENTALS / SERVICES	MORNING	DAY
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	901	053
SCREENS CHANGED	NO	NEW USED	USED	ACCUM MJ	4912	
TOP 175	TOP 175	MJ SLC	4912	
MIDDLE 175	MIDDLE 175	ACCUM OIL LEVEL	.32	
BOTTOM 175	BOTTOM 175			

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
K-29	2005	8	17

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2694

MORNING TOUR FROM 800 TO 2000

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	DRILL PIPE STANDS		
	DRILL PIPE SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED

@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: BRIAN WYATT

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	SAFETY MEETING WITH TONG AND LAY DOWN HANDS
815	1530	7.25	12	PULL OUT AND LAY DOWN 114mm TUBING
1530	1630	1.00	12	RIG OUT POWER TONGS AND LAY DOWN TRUCK
1630	2000	3.50	14	REMOVE HCR & KILL LINE VALVES CHANGE OUT RAMS ON RENTAL ELEMENT
2000				

NOTES : checked deadman anchor fast line clamp brakes and linkage checked bop and manifold valve alignment reviewed jsa g-28 laying down of tubing jsa c-1 power tongs and pipe handlers

SPECIAL EVENT			SAFETY TOPIC	MSHL	MACP
TIME / DEPTH			LAYING OUT TUBULARS		

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS: 5

DRIVERS

MORNING TOUR FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	14			BW
DERRICK HAND		KEVIN LAUCK	14			KL
MOTOR HAND		KENNETH LAUCK	14			KL
FLOOR HAND		BILL HETHERINGTON	14			BH
FLOOR HAND		MOSES LORD	14			ML
LEASE HAND		FREDDY CARPENTER	14			FC
W.S.C.		AL KOZAKEWICH	12			AK
		2 hrs extra				
		Pre-tour meeting				

INJURIES

DAY TOUR FROM 2000 TO 800

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	DRILL PIPE STANDS		
	DRILL PIPE SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED

@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	Pre_Tour Safety Meeting
2015	2200	1.75	14	Nipple Down B.O.P.s /Remove Tubing Hanger
2200	800	10.00	14	NIPPLE UP B.O.P.'s/Change Top Pipe Rams To 7"

NOTES : Checked ; Fasline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA M-9 Install B.O.P.Stack/L-9 Installing Flow T

SPECIAL EVENT			SAFETY TOPIC	MSHL	MACP
TIME / DEPTH			Nipple Up		

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS: 5

DRIVERS

DAY TOUR FROM 2000 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		JONATHAN GREEN	12			JG
LEASE HAND		BRIAN JULIAN	12			BJ

INJURIES

LICENCE NO.	WELL NAME & NO.
	K-29
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

YEAR	MONTH	DAY
2005	8	16

RIG NO. 58

FUEL @ 08:00 HRS

RIG 118 | BOILER

WEATHER: TEMPERATURE | CURRENT CONDITIONS | WIND DIRECTION | ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
								F-1000	EMSCO	254
								F-1000	EMSCO	254

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	DIR.	RE-ENTRY	YES
OPERATOR'S AFE			
KELLY BSHG	6.8	OP. FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050816_1C		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

TIMERS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 WAIT	23 Mouse Hole	24	25	26	TOTALS
MORN														5.75	4.25						0.5	1.5					12.00
DAY															5.25				2.75		0.75	1.0	1.25	1.0			12.00
TOTAL														5.75	9.50				2.75		1.25	2.50	1.25	1.00			24.00

SHALE SHAKER (S)				RENTALS / SERVICES	MORNING	DAY
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	896	217
SCREENS CHANGED	NO	NEW USED	USED	ACCUM MJ	76	
TOP 175	MIDDLE 175	BOTTOM 175	TOP 175 / MIDDLE 175 / BOTTOM 175	MJ SLC	76	

DRILLING CREW PAYROLL DATA

WELL NAME & NO.		YEAR	MONTH	DAY
K-29		2005	8	16
OPERATOR	CONTRACTOR			
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.			
RIG MANAGER		RIG NO.		
		58		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	X YES NO	2693		

MORNING TOUR FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		JONATHAN GREEN	8			JG
LEASE HAND		BRIAN JULIAN	8			BJ

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
4	

DAY TOUR FROM 2000 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	8			BW
DERRICK HAND		KEVIN LAUCK	8			KL
MOTOR HAND		KENNETH LAUCK	8			KL
FLOOR HAND		BILL HETHERINGTON	8			BH
FLOOR HAND		MOSES LORD	8			ML
LEASE HAND		FREDDY CARPENTER	8			FC
DRILLER		ALLAN LICKOCH	8			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	8			VN
MOTOR HAND		DERWIN KOTCHEA	8			DK
FLOOR HAND		MOISE PUNCH	8			MP
FLOOR HAND		JONATHAN GREEN	8			JG
LEASE HAND		BRIAN JULIAN	8			BJ

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
4	

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
	DRILL PIPE STANDS		
	DRILL PIPE SINGLES		
	KELLY DOWN		
	TOTAL		
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.			
SIZE			
IADC CODE			
MANUFACTURER			
TYPE			
SERIAL NO.			
JETS			
DEPTH OUT (m)			
DEPTH IN (m)			
TOTAL DRILLED (m)			
TOTAL HRS RUN			

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

LICENCE NO.	WELL NAME & NO.
	K-29
OPERATOR	**CONTRACTOR**
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	R.M.

YEAR	MONTH	DAY
2005	8	15

RIG NO. 58

FUEL @ 08:00 HRS

RIG 126 | BOILER

WEATHER: TEMPERATURE | CURRENT CONDITIONS | WIND DIRECTION | ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
								F-1000	EMSCO	254
								F-1000	EMSCO	254

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE DIR.	RE-ENTRY YES
OPERATOR'S AFE	
KELLY BSHG 6.8	DP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050815_1D
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME HRS	CODE NO. 1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRLG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DR. WORK	21 SAFETY MEETING	22	23 Wireline	24 Bleed Off Well	25	26	TOTALS
MORN																					0.25		8.5	3.25			12.00
DAY														8.75	1.0						0.5			1.75			12.00
TOTAL														8.75	1.00						0.75		8.50	5.00			24.00

SHALE SHAKER (S)

NO	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED | NEW USED

TOP	TOP
175	175
MIDDLE	MIDDLE
175	175
BOTTOM	BOTTOM
175	175

RENTALS / SERVICES	MORNING	DAY

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
K-29	2005	8	15

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2682

NO. DRILLING ASSEMBLY (AT END OF TOUR) — LENGTH

BIT — O.D.

DRILL PIPE — STANDS

DRILL PIPE — SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre-Tour Safety Meeting
815	1030	2.25	24	Bleed Pressure And Flare Gas From Surface Casing
1030				Attempt To Pressure Test 114.3mm Tubing While Venting Surface Casing
1030	1145	1.25	23	Rig Out Slick Wireline & Rig In E Wireline
1145	1300	1.25	23	Run In With Collar Locater (Run #1) DEPTH 2474.0m
1300	1445	1.75	23	Run In With 88.9mm Permanent Bridge Plug (Run #2) TAG HIGH WITH PLUG 2454.0m
1445	1530	0.75	23	Rig Out E Wireline & Rig Up Slick Wireline
1530	1630	1.00	23	Run In With 95.25mm Gauge Ring (Run #3) DEPTH 2431.0m
1630	1730	1.00	23	Run In With91.44mm Gauge Ring (Run #4) DEPTH 2474.0m
1730	1800	0.50	23	Rig Out Slick Wireline & Rig In E Wireline
1800	1845	0.75	23	Run In With114.3mm Permanent Bridge Plug (Run #5) SET @ 2467m
1845	1900	0.25	23	Rig Out Wireline Tools
1900	2000	1.00	24	Top Fill 114.3mm Tubing & Vent 178mm Casing

NOTES: Checked: Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA M-3 Pressure Test With Truck/D-36 Rig Up & Run Wireline Tools

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			Wireline		

MORNING TOUR FROM 800 TO 2000 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER	636153249	ALLAN LICKOCH	12			AL
DERRICK HAND	643905755	VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND	650997935	DERWIN KOTCHEA	12			DK
FLOOR HAND	625436811	MOISE PUNCH	12			MP
FLOOR HAND	651844128	JONATHAN GREEN	12			JG
LEASE HAND	640065934	BRIAN JULIAN	12			BJ

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 3

DRIVERS

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: BRIAN WYATT

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	SAFETY MEETING WITH SAFETY HAND
2015	2145	1.50	24	top fill 114.3MM tubing and vent 178mm
2145	2215	0.50	15	PRESSURE TEST 114.3mm TUBING TO 7000kpa 15min
2215	2230	0.25	24	RIG OUT WIRE LINE
2230	2300	0.50	15	BLEED BACK TO TESTER
2300	2315	0.25	21	SAFETY MEETING WITH LOCKHART
2315	130	2.25	14	NIPPLE DOWN WELL HEAD
130	800	6.50	14	NIPPLE UP B.O.P.
800				

NOTES: REVIEWED JSA M-9 INSTALL BOP CHECKED DEADMAN ANCHOR INSPECT BOP LIFTING SLING

AND SHACKLES

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			WORKING WITH H2s		

DAY TOUR FROM 2000 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER	115882276	BRIAN WYATT	12			BW
DERRICK HAND	650764160	SHAWN WATSON	12			SW
MOTOR HAND	640809638	GREG ST.ARNAUD	12			GS
FLOOR HAND	646567776	KEVIN LAUCK	12			KL
FLOOR HAND	638990531	JUSTIN MILLER	12			JM

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 3

DRIVERS

LICENCE NO.	WELL NAME & NO.
	K-29
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Slick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

DPR	R.M.
	DL
	DL
	DL

WEATHER

YEAR	MONTH	DAY
2005	8	14

RIG NO. 58

FUEL @ 08:00 HRS

RIG 133 | BOILER

TEMPERATURE
CURRENT CONDITIONS
WIND DIRECTION
ROAD CONDITION

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
								F-1000	EMSCO	254
								F-1000	EMSCO	254

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE DIR.	RE-ENTRY YES
OPERATOR'S AFE	
KELLY BSHG 6.8	OF FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050814_1B
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 Wait For Service/Wireline	23	24 Bleed Off Pressure	25	26	TOTALS
TIMES MORN																						1.0	6.0	5.0			12.00
DAY															0.75						0.25		1.0	10.0			12.00
TOTAL															0.75						0.25	1.00	7.00	15.00			24.00

SHALE SHAKER (S)			
NO.	TYPE	TYPE	
2	Derrick FLC	Derrick FLC	
SCREENS CHANGED	YES	NEW/USED	NEW
TOP	175	TOP	175
MIDDLE	175	MIDDLE	175
BOTTOM	175	BOTTOM	175

RENTALS / SERVICES	MORNING	DAY

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
K-29	2005	8	14

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2681

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
	BIT O.D.	
	DRILL PIPE STANDS	
	DRILL PIPE SINGLES	
	KELLY DOWN	
	TOTAL	
	WT. OF D.C.	
	WT. OF STRING	

BIT RECORD

BIT NO.
SIZE
IADC CODE
MANUFACTURER
TYPE
SERIAL NO.
JETS
DEPTH OUT (m)
DEPTH IN (m)
TOTAL DRILLED (m)
TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MOC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

DRILLER SIGNATURE
ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	900	1.00	22	Wait On Bardge To Bring Services Accross River
900	1030	1.50	23	Rig In Wireline Truck
1030	1200	1.50	23	Run In With Run #1 (66.7mm) Gauge Ring To 2461.4m (16m Line Streach From Heat)
1200	1400	2.00	23	Run In With Run #2 (62.5mm) Nipple Polish To 2461.4
1400	1430	0.50	23	Run In With Run #3 (62.5mm) Otis R Lock (Tubing Plug) Set @ 2461.4m
1430	1500	0.50	23	Run In With Run #4 Set Prong In Plug (2461.4m)
1500	2000	5.00	24	Bleed Off & Flare Gas From 114.3mm Tubing

NOTES: Checked ; Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA's G-2 Driving To And From Rig/G-14 Wash Rig/N-1 Working On Muddy Leas

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			Wireline		

MORNING TOUR	FROM 800	TO 2000	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		ALLAN LICKOCH	12			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		JONATHAN GREEN	12			JG
LEASE HAND		BRIAN JULIAN	12			BJ

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2	

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
	BIT O.D.	
	DRILL PIPE STANDS	
	DRILL PIPE SINGLES	
	KELLY DOWN	
	TOTAL	
	WT. OF D.C.	
	WT. OF STRING	

BIT RECORD

BIT NO.
SIZE
IADC CODE
MANUFACTURER
TYPE
SERIAL NO.
JETS
DEPTH OUT (m)
DEPTH IN (m)
TOTAL DRILLED (m)
TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MOC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME
DENSITY (kg/m3)
FUNNEL VISCOSITY
FLUID LOSS (cm3)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa

	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

DRILLER SIGNATURE
BRIAN WYATT

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	PRE TOUR SAFETY MEETING
2015	2100	0.75	24	BLEED OFF & FLARE GAS FROM 114.3mm TUBING
2100	2130	0.50	24	RIG TO BLEED & FLARE 177.8mm CASING
2130	2145	0.25	24	RIG TO AND FILL 114.3mm TUBING WITH 1" WATER HOSE WITH FRESH WATER
2145	300	5.25	24	CONTINUE TO BLEED AND FLARE 177.8mm CASING
300	330	0.50	24	CONTINUE TO FILL 114.3mm TUBING WHILE RIGGING IN WIRE LINE
330	400	0.50	23	RIG WIRE LINE TO RUN IN CHECK FLUID LEVEL IN 114.3mm TUBING
400	415	0.25	23	RUN IN WITH GAUGE RING AND JUNK SUB TO CHECK FLUID LEVEL IN 114.3mm TUBING
415	430	0.25	23	TAG FLUID AT 120m RIG OUT WIRE LINE
430	500	0.50	24	FILL 114.3mm TUBING
500	545	0.75	15	RIG TO AND PRESSURE TEST 114.3mm TUBING
545	800	2.25	24	RIG UP PRESSURE GAUGE TO SURFACE CASING AND BLEED PRESSURE 2000kpa ON
				SURFACE CASING FLARING GAS

NOTES: INSPECT DEADMAN ANCHOR AND FAST LINE CLAMP

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			WORKING WITH H2s		

DAY TOUR	FROM 2000	TO 800	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		BRIAN WYATT	12			BW
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		KEVIN LAUCK	12			KL
FLOOR HAND		JUSTIN MILLER	12			JM

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2	

LICENCE NO.	WELL NAME & NO.
	K-29
OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
AL IRONSIDE	DAVE LAUCK

DAILY CHECKS

OPR	R.M.	
		(1.) Daily Walk Around Inspection
		(2.) Detailed Inspection - Weekly (Using Check List)
		(3.) H2S Signs Posted if Required
		(4.) Well Licence & Slick Diagram Posted
		(5.) Flare Lines Staked
		(6.) BOP Drills Performed
		(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
		(1.) Rig Site Health & Safety Meeting (one/crew/month)
		(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
		(3.) Mast Inspection before Raising or Lowering
		(4.) Crown Saver Checked
		(5.) Motor Kills Checked

WEATHER: TEMPERATURE; CURRENT CONDITIONS; WIND DIRECTION; ROAD CONDITION

YEAR 2005 | MONTH 8 | DAY 13

RIG NO. 58

FUEL @ 08:00 HRS

RIG 140 | BOILER

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
								F-1000	EMSCO	254
								F-1000	EMSCO	254

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE	RE-ENTRY
OPERATOR'S AFE	
KELLY BSHG	DP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050813_1E
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRLG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 Wait For Services	23	24	25	26	TOTALS
MORN	1.75																				0.25	10.0				12.00
DAY																					0.25	11.75				12.00
TOTAL	1.75																				0.50	21.75				24.00

SHALE SHAKER (S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED | NEW USED

TOP	TOP
MIDDLE	MIDDLE
BOTTOM	BOTTOM

RENTALS / SERVICES | MORNING | DAY

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
K-29	2005	8	13

OPERATOR	CONTRACTOR
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.

RIG MANAGER	RIG NO.
DAVE LAUCK	58

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	2680

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE

T1	T2	MOC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	Pre Tour Safety Meeting
815	1000	1.75	1	Rig Power & Hydraulic Lines To Top Drive/Torque Top Drive Quill To Swivel
1000				Install New Saver Sub /Set Counter Balance For Blocks/Set Grabber Height
1000	2000	10.00	22	Wait For Bardge To Bring Services Accross River

NOTES :

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Rig Up | MEHL | MACP

MORNING TOUR FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		ALLAN LICKOCH	12			AL
DERRICK HAND		VIRGIL NANAQUAWETUNG	12			VN
MOTOR HAND		DERWIN KOTCHEA	12			DK
FLOOR HAND		MOISE PUNCH	12			MP
FLOOR HAND		JONATHAN GREEN	12			JG
LEASE HAND		BRIAN JULIAN	12			BJ

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 1 | DRIVERS

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL DRILLED (m) | TOTAL HRS RUN

CUTTING STRUCTURE

T1	T2	MOC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME | DENSITY (kg/m3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	0	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
	152		152

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: BRIAN WYATT

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	PRE TOUR SAFETY MEETING
2015	800	11.75	22	WAIT ON BARDGE TO BRING SERVICES ACCROSS RIVER
800				

NOTES : REVIEWED JSA G-14 WASHING RIG G-2 DRIVING TO AND FROM RIG

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: DRIVING | MEHL | MACP

DAY TOUR FROM 2000 TO 800

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	NO
DRILLER		BRIAN WYATT	12			BW
DERRICK HAND		SHAWN WATSON	12			SW
MOTOR HAND		GREG ST.ARNAUD	12			GS
FLOOR HAND		KEVIN LAUCK	12			KL
FLOOR HAND		JUSTIN MILLER	12			JM

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 1 | DRIVERS

197010

LICENCE NO. | WELL NAME & NO. K-29 A

OPERATOR Parmont | CONTRACTOR NAME Akita Drilling LTD

SURFACE LOCATION | UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE | SIGNATURE OF CONTRACTOR'S RIG MANAGER Dave Lauck

DAILY CHECKS | DPR | R.M.
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 08 | DAY 12
RIG NO. 58
FUEL @ 08:00 HRS | RIG | BOILER
WEATHER | TEMPERATURE | CURRENT CONDITIONS | WIND DIRECTION | ROAD CONDITION

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	kg/m	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC							
DP							

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE | RE-ENTRY
OPERATOR'S AFE
KELLY BSHG | OP FUEL
CONTRACTORS JOB NUM
TOUR SHEET SERIAL NUM
VENDOR SOFTWARE VERSION

197010

CAODC
APPROVED
COPYRIGHT 1977 JANUARY
REVISED OCTOBER 2003
OPERATOR

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN																										
DAY	7.75																				0.25					
EVE.	8.00																				0.25					
TOTAL	15.75																				0.5					

TOTALS: 8 / 8 / 16

SHAKERS | NO. | TYPE | TYPE | SCREENS CHANGED | NEW / USED | TOP | TOP | MIDDLE | MIDDLE | BOTTOM | BOTTOM
Derrick | Derrick

RENTALS / SERVICES | MORN | DAY | EVE

DRILLING CREW PAYROLL DATA

WELL NAME & NO. K-29 A | YEAR 2005 | MONTH 08 | DAY 12
OPERATOR Parmont | CONTRACTOR NAME Akita Drilling
RIG MANAGER 1 Dave Lauck | RIG NO. 58
PROVINCE NWT | CAMP ✓ YES NO | RIG SAFETY DAYS

NO. 1

DRILLING ASSEMBLY (AT END OF TOUR) | LENGTH | BIT | O.D.
D.P. | STANDS
D.P. | SINGLES
KELLY DOWN
TOTAL
WT. OF D.C.
WT. OF STRING

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN
CUTTING STRUCTURE | TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN M/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

MORNING TOUR | MUD RECORD: MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED | PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL | CENTRIFUGE | HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS | 1 | 2 | HRS RUN | BOILER pH | STACK TEMP

METRES DRILLED | FROM | TO | D-R-C | RPM | WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 | LINER SIZE | SPM | PUMP NO. 2 | LINER SIZE | SPM

REDUCED PUMP SPEED | @ | @

DEVIATION SURVEYS | DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

TIME LOG | FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
07:00	07:15	.25	21	Rig Safe Safety Meeting
07:15	15:00	7.75	1	Skim up Dog house SKID pick up Torque Tube Hang in Derrick

NOTES :

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC Rigging up | MEHL | MACP

RATE SCHEDULE ✓ | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS | DRIVERS

MORNING TOUR | FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
Driller		Brian Wyatt	8		BW
Derrickhand		Shaun Watson	8		SW
Motorhand		Greg St. Arnaud	8		GS
Floorhand		Justin Miller	8		JM
Floorhand		Kevin Lauck (OH)	8		KL

NO. 2

DRILLING ASSEMBLY (AT END OF TOUR) | LENGTH | BIT | O.D.
D.P. | STANDS
D.P. | SINGLES
KELLY DOWN
TOTAL
WT. OF D.C.
WT. OF STRING

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN
CUTTING STRUCTURE | TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN M/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

DAY TOUR | MUD RECORD: MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED | PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL | CENTRIFUGE | HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS | 1 | 2 | HRS RUN | BOILER pH | STACK TEMP

METRES DRILLED | FROM | TO | D-R-C | RPM | WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 | LINER SIZE | SPM | PUMP NO. 2 | LINER SIZE | SPM

REDUCED PUMP SPEED | @ | @

DEVIATION SURVEYS | DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

TIME LOG | FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
07:00	07:15	.25	21	Pre job Safety Meeting
07:15	11:15	4	1	Rig in Floor plates/pin saddle blocks/pick up Swivel
11:15	15:00	3.75	1	Pick up Torque tube Hang in Derrick
15:00	16:00	1	1	String Top drive cords through Derrick

NOTES :

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC Rig up | MEHL | MACP

RATE SCHEDULE ✓ | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS | DRIVERS

DAY TOUR | FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
Driller		Allan Lickoch	16		AL
Derrickhand		Virgil Naroguaweluma	16		VN
Motorhand		Derwin Kotchea	16		DK
Floorhand		Mose Punch	16		MP
Floorhand		Jonathan Green	16		JG
Leasehand		Brian Julian	16		BJ

NO. 3

DRILLING ASSEMBLY (AT END OF TOUR) | LENGTH | BIT | O.D.
D.P. | STANDS
D.P. | SINGLES
KELLY DOWN
TOTAL
WT. OF D.C.
WT. OF STRING

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN
CUTTING STRUCTURE | TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN M/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

EVENING TOUR | MUD RECORD: MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED | PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL | CENTRIFUGE | HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS | 1 | 2 | HRS RUN | BOILER pH | STACK TEMP

METRES DRILLED | FROM | TO | D-R-C | RPM | WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 | LINER SIZE | SPM | PUMP NO. 2 | LINER SIZE | SPM

REDUCED PUMP SPEED | @ | @

DEVIATION SURVEYS | DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

TIME LOG | FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600	24:00		1	Rig up Floor & Pick up Top Drive

NOTES :

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS | DRIVERS

EVENING TOUR | FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO

197009

197009

CAODC

APPROVED
COPYRIGHT 1977 JANUARY
REVISED OCTOBER 2003
OPERATOR

LICENCE NO. | WELL NAME & NO. K-29 A

OPERATOR Paramount | CONTRACTOR NAME Akita Drilling LTD

SURFACE LOCATION | UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE | SIGNATURE OF CONTRACTOR'S RIG MANAGER Dave Lauck

DAILY CHECKS (OPR / R.M.)
- (1.) Daily Walk Around Inspection
- (2.) Detailed Inspection - Weekly (Using Check List)
- (3.) H2S Signs Posted if Required
- (4.) Well Licence & Stick Diagram Posted
- (5.) Flare Lines Staked
- (6.) BOP Drills Performed
- (7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
- (1.) Rig Site Health & Safety Meeting (one/crew/month)
- (2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
- (3.) Mast Inspection before Raising or Lowering
- (4.) Crown Saver Checked
- (5.) Motor Kills Checked

YEAR 2005 | MONTH 08 | DAY 11 | RIG NO. 42

FUEL @ 08:00 HRS | RIG | BOILER

WEATHER | TEMPERATURE | CURRENT CONDITIONS | WIND DIRECTION | ROAD CONDITION

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	kg/m	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE | RE-ENTRY
OPERATOR'S AFE
KELLY BSHG | OP FUEL
CONTRACTORS JOB NUM
TOUR SHEET SERIAL NUM
VENDOR SOFTWARE VERSION

TIME HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRLG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN	12.00																										
DAY																											
EVE.																											
TOTAL	12.00																										11

SHAKERS | RENTALS / SERVICES | MORN | DAY | EVE

NO. | TYPE | TYPE | SCREENS CHANGED | NEW / USED | TOP | TOP | MIDDLE | MIDDLE | BOTTOM | BOTTOM

DRILLING CREW PAYROLL DATA

WELL NAME & NO. K-29 A | YEAR 2005 | MONTH 08 | DAY 11
OPERATOR Paramount | CONTRACTOR NAME Akita Drilling LTD
RIG MANAGER 1 Dave Lauck | RIG NO.
PROVINCE NWT | CAMP ☑ YES ☐ NO | RIG SAFETY DAYS

MORNING TOUR

FROM | TO

CREW	SOC INS. NO.	NAME	HRS		YES	NO
Driller	[redacted]	Brian Wyatt (DR)	12			
Derrickhand	[redacted]	Shawn Watson	12			
Motorhand	[redacted]	Greg St. Arnaud	12			
Floorhand	[redacted]	Justin Miller	12			
Floorhand	[redacted]	Kevin Lauck (DH)	12			

INJURIES

RATE SCHEDULE ✓ | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS | DRIVERS

DAY TOUR

FROM | TO

CREW	SOC INS. NO.	NAME	HRS		YES	NO
Driller	[redacted]	Allan Lickack	12			
Derrickhand	[redacted]	Virgil Nanaguanchy	12			
Motorhand	[redacted]	Derwin Kotchea	12			
Floorhand	[redacted]	Morse Punch	12			
Floorhand	[redacted]	Johnathan Green	12			
Leaschand	[redacted]	Brian Julian	12			

INJURIES

RATE SCHEDULE ✓ | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS | DRIVERS

EVENING TOUR

FROM | TO

CREW	SOC INS. NO.	NAME	HRS		YES	NO

INJURIES

RATE SCHEDULE | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS | DRIVERS

BIT RECORD

NO. | DRILLING ASSEMBLY (AT END OF TOUR) | LENGTH

BIT | O.D.

D.P. STANDS
D.P. SINGLES
KELLY DOWN
TOTAL
WT. OF D.C.
WT. OF STRING

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN M/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

MORNING TOUR / MUD RECORD

MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE | PUMP NO. 2 SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
07:00	08:00	1	1	Pull Rope Through Blocks, prepare To String Them
8:00	21:00	13	1	Run Power & Person Cords, Rig In Accumulator lines String Blocks Start all THREE Generators Function Test all Adjusters, Shakers, accucat Raise Derrick

NOTES :

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Rigging up | MEHL | MACP

DAY TOUR

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
7:00	8:00	1	1	Pull Power Cords
8:00	21:00			Rig in water and air lines String Blocks Inspect derrick prior to Raising Raise Derrick

NOTES :

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Rig up | MEHL | MACP

EVENING TOUR

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES :

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

197008

197008

LICENCE NO. | WELL NAME & NO. K-29A

OPERATOR Fermont | CONTRACTOR NAME Akita Drilling LTD

SURFACE LOCATION | UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE | SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS — DPR | R.M.

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted If Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 | MONTH 08 | DAY 10 | RIG NO. 58

FUEL @ 08:00 HRS | RIG | BOILER

WEATHER | TEMPERATURE | CURRENT CONDITIONS | WIND DIRECTION | ROAD CONDITION

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	kg/m	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE | RE-ENTRY
OPERATOR'S AFE
KELLY BSHG | OP FUEL
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM
VENDOR SOFTWARE VERSION

CAODC
APPROVED
COPYRIGHT 1977 JANUARY
REVISED OCTOBER 2003
OPERATOR

TIME-HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN.																										
DAY	11.75																				.25					12
EVE.																										
TOTAL	11.75																				.25					

SHAKERS — NO. | TYPE | TYPE | SCREENS CHANGED | NEW / USED | TOP | TOP | MIDDLE | MIDDLE | BOTTOM | BOTTOM

RENTALS / SERVICES | MORN | DAY | EVE

DRILLING CREW PAYROLL DATA

WELL NAME & NO. K-29A | YEAR 2005 | MONTH 08 | DAY 10
OPERATOR Fermont | CONTRACTOR NAME Akita Drilling LTD
RIG MANAGER Dave Lauck | RIG NO. 58
PROVINCE NWT | CAMP ☑ YES ☐ NO | RIG SAFETY DAYS

MORNING TOUR

FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
Driller	[redacted]	Brian Klatt (DR)	12			BW
Derrickhand	[redacted]	Shawn WATSON	12			SW
Motorhand	[redacted]	Greg ST. ARNAUD	12			GS
Floorhand	[redacted]	Justin Miller	12			JM

RATE SCHEDULE | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS | DRIVERS

DAY TOUR

FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
Driller	[redacted]	Allan Lckoch	12			AL
Derrickhand	[redacted]	Virgil Naneyakletuq	12			VN
Motorhand	[redacted]	Kevin Lauck (DH)	12			KL
Floorhand	[redacted]	Moise Punch	12			MP
Floorhand	[redacted]	Johnathan Green	12			JG
Leasehand	[redacted]	Brian Julian	12			BJ

RATE SCHEDULE ✓ | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS | DRIVERS

EVENING TOUR

FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO

RATE SCHEDULE | REGULAR | REPAIR | INVERT
CREW SAFETY DAYS | DRIVERS

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR) — NO. | BIT | O.D. | LENGTH

D.P. STANDS
D.P. SINGLES
KELLY DOWN
TOTAL
WT. OF D.C.
WT. OF STRING

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN

CUTTING STRUCTURE | TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN M/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

MUD RECORD: MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
07:00	07:15	.25	21	Pre Job Safety meeting (working with cranes)
07:15	19:00	11.75	1	pin Monkey Board Install MANRider with welder, spot Blocks on CATwalk and Install Bridle line

NOTES :

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR) — NO. | BIT | O.D. | LENGTH

D.P. STANDS
D.P. SINGLES
KELLY DOWN
TOTAL
WT. OF D.C.
WT. OF STRING

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN

CUTTING STRUCTURE | TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN M/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

MUD RECORD: MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
07:00	07:15	.25	21	Pre Job meeting (working with cranes)
07:15	19:00	11.75	1	spot buildings/ Pin Derrick to Sub Pull power cords

NOTES : Wear fall arrest when working at heights on all Rigging up

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR) — NO. | BIT | O.D. | LENGTH

D.P. STANDS
D.P. SINGLES
KELLY DOWN
TOTAL
WT. OF D.C.
WT. OF STRING

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN

CUTTING STRUCTURE | TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN M/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

MUD RECORD: MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | SPM | PUMP NO. 2 LINER SIZE | SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES :

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

197007

197007

CAODC

APPROVED
COPYRIGHT 1977 JANUARY
REVISED OCTOBER 2003

OPERATOR

LICENCE NO. | WELL NAME & NO. K-29 A

OPERATOR Parmont | CONTRACTOR NAME Akita Drilling LTD

SURFACE LOCATION | UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE | SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	DPR	R.M.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (one/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 | MONTH 08 | DAY 09

RIG NO. 58

FUEL @ 08:00 HRS | RIG | BOILER

WEATHER: TEMPERATURE | CURRENT CONDITIONS | WIND DIRECTION | ROAD CONDITION

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	kg/m	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T..INT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE	RE-ENTRY
OPERATOR'S AFE	
KELLY BSHG	OP FUEL
CONTRACTORS JOB NUM	
TOUR SHEET SERIAL NUM	
VENDOR SOFTWARE VERSION	

CODE NO.

TIME-HRS	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN	11.75																				.25						12
DAY																											
EVE.																											
TOTAL																											

SHAKERS: NO. | TYPE | SCREENS CHANGED | NEW/USED | TOP | MIDDLE | BOTTOM

RENTALS / SERVICES | MORN | DAY | EVE

DRILLING CREW PAYROLL DATA

WELL NAME & NO. K-29 A | YEAR 2005 | MONTH 08 | DAY 09

OPERATOR Parmont | CONTRACTOR NAME Akita Drilling LTD

RIG MANAGER 1 Dave Lauck | RIG NO. 58

PROVINCE NWT | CAMP ☑ YES ☐ NO | RIG SAFETY DAYS

MORNING TOUR | FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
Driller	[redacted]	Allan Lickoch	12			AL
Derrickhand		Virgil Naagamuwtung	12			VN
Motorman		Kevin Lauck (DH)	12			KL
Floorhand		Moose Punch	12			MP
Floorhand		Johnathan Green	12			JG
Leasehand		Brian Julian	12			BJ

RATE SCHEDULE ✓ | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS | DRIVERS

DAY TOUR | FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
Driller	[redacted]	Brian Wyatt (DR)	12			BW
Derrickman		Shawn Watson	12			SW
Motorman		Greg St. Arnaud	12			GS
Floorhand		Justin Miller	12			JM
Floorhand						

RATE SCHEDULE | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS | DRIVERS

EVENING TOUR | FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO

RATE SCHEDULE | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS | DRIVERS

MORNING TOUR

NO. | DRILLING ASSEMBLY (AT END OF TOUR) | LENGTH

BIT | O.D.

D.P. STANDS

D.P. SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN M/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

MUD RECORD

MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (KG/M3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (KG/M3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN		HRS RUN	
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE | PUMP NO. 2 SPM

REDUCED PUMP SPEED @ | @

DEVIATION SURVEYS

DEPTH (M)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0700	0715	.25	21	Pre Job Safety Meeting
0715	1900	11.75	1	Spot matting/Pin Derrick together Spot Buildings

NOTES : Held Safety mtg with United Safety
work on loose with live wells

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Rig move | MEHL | MACP

DAY TOUR

NO. | DRILLING ASSEMBLY (AT END OF TOUR) | LENGTH

BIT | O.D.

D.P. STANDS

D.P. SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN M/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

MUD RECORD

MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (KG/M3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (KG/M3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN		HRS RUN	
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE | PUMP NO. 2 SPM

REDUCED PUMP SPEED @ | @

DEVIATION SURVEYS

DEPTH (M)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
07:00	07:15	.25	21	Pre Job Safety Meeting with United Safety Hand
07:15	19:00	11.75	1	Spot matting and Buildings

NOTES :

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Rig Move | MEHL | MACP

EVENING TOUR

NO. | DRILLING ASSEMBLY (AT END OF TOUR) | LENGTH

BIT | O.D.

D.P. STANDS

D.P. SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

BIT RECORD

BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN M/HR

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

MUD RECORD

MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (KG/M3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (KG/M3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN		HRS RUN	
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE | PUMP NO. 2 SPM

REDUCED PUMP SPEED @ | @

DEVIATION SURVEYS

DEPTH (M)	DEVIATION	DIRECTION

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES :

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

197006

197000

LICENCE NO. | WELL NAME & NO. K-29 A

OPERATOR Parmont

SURFACE LOCATION

CONTRACTOR NAME Akita Drilling LTD

UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

	DPR	R.M.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (one/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 MONTH 08 DAY 04/08

RIG NO. 58

FUEL @ 08:00 HRS

RIG | BOILER

WEATHER: TEMPERATURE | CURRENT CONDITIONS | WIND DIRECTION | ROAD CONDITION

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	kg/m	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH

SPUD DATE | TIME

RIG RELEASE | TIME

WELL TYPE | RE-ENTRY

OPERATOR'S AFE

KELLY BSHG | OP FUEL

CONTRACTORS JOB NUM

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

APPROVED
COPYRIGHT 1977 JANUARY
REVISED OCTOBER 2003
OPERATOR

CODE NO.

TIME-HRS	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG. & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN																						None				
DAY	4																				1	12	Aug 07/2005			
EVE.																					1	7	Aug 08/2005			
TOTAL																						12				
																						12				

SHAKERS: NO. | TYPE | SCREENS CHANGED | NEW / USED | TOP | MIDDLE | BOTTOM

RENTALS / SERVICES: TYPE | MORN | DAY | EVE

NO. | DRILLING ASSEMBLY (AT END OF TOUR) | BIT | O.D. | LENGTH

D.P. STANDS

D.P. SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN M/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

MORNING TOUR

MUD RECORD: MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL: CENTRIFUGE: HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 | HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1: LINER SIZE | SPM | PUMP NO. 2: LINER SIZE | SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2001900		12	22	Wait for Lease
				Aug 07/2005

NOTES : Safety Meeting with Truckers

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC Rig Move | MEHL | MACP

DAY TOUR

MUD RECORD: MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL: CENTRIFUGE: HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 | HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1: LINER SIZE | SPM | PUMP NO. 2: LINER SIZE | SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2001900	0	22		Wait for Lease
1900	2000	1	21	Safety meeting with Gas plant
1500	1900	4	1	Spot matting and pin subs
				Aug 08/2005

NOTES : Safety Meeting with Truckers & Crane Operators

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC Rig Move | MEHL | MACP

EVENING TOUR

MUD RECORD: MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL: CENTRIFUGE: HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 | HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1: LINER SIZE | SPM | PUMP NO. 2: LINER SIZE | SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES :

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP

DRILLING CREW PAYROLL DATA

WELL NAME & NO. K-29 A | YEAR 2005 | MONTH 08 | DAY 04/08

OPERATOR Parmont | CONTRACTOR NAME Akita Drilling LTD

RIG MANAGER 1 Dave Lauck | RIG NO. 58

PROVINCE NWT | CAMP ☑ YES ☐ NO | RIG SAFETY DAYS

MORNING TOUR | FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
Driller		Allan Lickoch	12			AL
Derrickhand		Virgil Nanaquawetung	12			VN
Derrickhand		Shawn Watson	12			SW
*Motorhand		Kevin Lauck (DH)	12			KL
Floorhand		Moise Punch	12			MP

Aug 07/2005

RATE SCHEDULE ✓ | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS | DRIVERS

DAY TOUR | FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
Driller		Allan Lickoch	12			AL
Derrickhand		Virgil Nanaquawetung	12			VN
Derrickhand		Shawn Watson	12			SW
*Motorhand		Kevin Lauck (DH)	12			KL
Floorhand		Moise Punch	12			MP

Aug 08/2005

RATE SCHEDULE ✓ | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS | DRIVERS

EVENING TOUR | FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO

RATE SCHEDULE | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS | DRIVERS

197005

LICENCE NO. | WELL NAME & NO. K-29 A

OPERATOR Paramount | CONTRACTOR NAME Akita Drilling LTD

SURFACE LOCATION | UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE | SIGNATURE OF CONTRACTOR'S RIG MANAGER Dave Lauck

DAILY CHECKS (DPR / R.M.)
- (1.) Daily Walk Around Inspection
- (2.) Detailed Inspection - Weekly (Using Check List)
- (3.) H2S Signs Posted if Required
- (4.) Well Licence & Stick Diagram Posted
- (5.) Flare Lines Staked
- (6.) BOP Drills Performed
- (7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
- (1.) Rig Site Health & Safety Meeting (one/crew/month)
- (2.) CAODC Rig Safet Inspection Checklist (one/rig/month)
- (3.) Mast Inspection before Raising or Lowering
- (4.) Crown Saver Checked
- (5.) Motor Kills Checked

YEAR 2005 | MONTH 08 | DAY 04/05/06 | RIG NO. 56

FUEL @ 08:00 HRS | RIG | BOILER

WEATHER | TEMPERATURE | CURRENT CONDITIONS | WIND DIRECTION | ROAD CONDITION

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	kg/m	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH

SPUD DATE | TIME | RIG RELEASE | TIME | WELL TYPE | RE-ENTRY | OPERATOR'S AFE | KELLY BSHG | OP FUEL | CONTRACTORS JOB NUM | TOUR SHEET SERIAL NUM | VENDOR SOFTWARE VERSION

197005

CAODC

APPROVED
COPYRIGHT 1977 JANUARY
REVISED OCTOBER 2003
OPERATOR

TIME - HRS

CODE NO.	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILG LINE	10 DEV. SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN																						Loose				12
DAY																						12	Aug. 04/2005			12
EVE.																						12	Aug. 05/2005			12
TOTAL																						12	Aug. 06/2005			12

SHAKERS | RENTALS / SERVICES | MORN | DAY | EVE

NO.	TYPE	TYPE
SCREENS CHANGED		NEW / USED
TOP		TOP
MIDDLE		MIDDLE
BOTTOM		BOTTOM

DRILLING CREW PAYROLL DATA

WELL NAME & NO. K-29 A | YEAR 2005 | MONTH 08 | DAY 04/05/06
OPERATOR Paramount | CONTRACTOR NAME Akita Drilling LTD | RIG NO. 56
RIG MANAGER Dave Lauck
PROVINCE NWT | CAMP ✓ YES NO | RIG SAFETY DAYS

MORNING TOUR | FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
Driller	[redacted]	Allan Lickoch	12		✓
Derrickhand	[redacted]	Virgil Naraquawetung	12		✓
Derrickhand	[redacted]	Shaun Watson	12		✓
*Motorhand	[redacted]	Kevin Lauck (DH)	12		✓

Aug 04/2005

RATE SCHEDULE ✓ | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS | DRIVERS

MORNING TOUR

NO. | DRILLING ASSEMBLY (AT END OF TOUR) | LENGTH

BIT | O.D.

D.P. STANDS | D.P. SINGLES | KELLY DOWN | TOTAL | WT. OF D.C. | WT. OF STRING

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN M/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

MUD RECORD: MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1: LINER SIZE, SPM | PUMP NO. 2: LINER SIZE, SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0700	1900	12	22	Travel to Rig Wait on lease For Rig Move

Aug 04/2005

NOTES: Safety meeting on camp and Road Rules

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Paramount Rules | MEHL | MACP

DAY TOUR

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN M/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

MUD RECORD: MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1: LINER SIZE, SPM | PUMP NO. 2: LINER SIZE, SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0700	1900	12	22	Wait on LEASE FOR RIG MOVE
				Load Trucks at Rock Site

Aug 05/2005

NOTES: Safety Meeting with Truckers

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Rig Move | MEHL | MACP

DAY TOUR | FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
Driller	[redacted]	Allan Lickoch	12		✓
Derrickhand	[redacted]	Virgil Naraquawetung	12		✓
Derrickhand	[redacted]	Shaun Watson	12		✓
Motorhand	[redacted]	Kevin Lauck (DH)	12		✓

Aug 05/2005

RATE SCHEDULE ✓ | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS | DRIVERS

EVENING TOUR

BIT RECORD: BIT NO. | SIZE | IADC CODE | MANUFACTURER | TYPE | SERIAL NO. | JETS | DEPTH OUT | DEPTH IN | TOTAL M DRILLED | TOTAL HRS RUN

CUTTING STRUCTURE: TI | To | MDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN M/HR

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (M)

MUD RECORD: MUD TYPE | TIME | DENSITY (KG/M3) | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (KG/M3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 | 2 — HRS RUN | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1: LINER SIZE, SPM | PUMP NO. 2: LINER SIZE, SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (M) | DEVIATION | DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0700	1900	12	22	Wait on LEASE FOR RIG MOVE
				Load Trucks at Rock Site

Aug 06/2005

NOTES: Safety Meeting with Truckers

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC: Rig Move | MEHL | MACP

EVENING TOUR | FROM | TO | INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
Driller	[redacted]	Allan Lickoch	12		✓
Derrickhand	[redacted]	Virgil Naraquawetung	12		✓
Derrickhand	[redacted]	Shaun Watson	12		✓
*Motorhand	[redacted]	Kevin Lauck (DH)	12		✓
Floorhand	[redacted]	Morse Punch	12		✓

Aug 06/2005

RATE SCHEDULE ✓ | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS | DRIVERS

No.

DAILY DRILLING REPORT

REPORT No.

LEASE	WELL No.	WELL NUMBER	WATER DEPTH	DATE (Yr. Mo. Day)
		K-29		05 08 13
OPERATOR		**CONTRACTOR**		**RIG No.**
PARAMONT		AKITA Drilling LTD		58
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S RIG MANAGER**		

D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGEND

Metric expressions:

All lengths expressed in metres to two decimal places.

mud density = kilogram per cubic metre (kg/m³)
pump-stroke length = millimetre (mm)
weight of string = decanewton (daN)
weight on bit: indicator will record decanewton
linear mass = kilogram per metre (kg/m)
viscosity = second per litre (s/L)

flow rate = cubic metre per minute (m³ / min)
pressure gradient = kilopascal per metre (kPa/m)
yield point = pascal (Pa)
plastic viscosity = millipascal second (mPa•s)
gel strength = pascal (Pa)
work completed by wire line = megajoule (MJ)
inside diameter and outside diameter = millimetre (mm)
pump pressure = kilopascal (kPa)

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial	Initial	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial
(2) Detailed Inspection-Weekly (using check list)	Initial	Initial	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial
(3) H_2S Signs Posted (if required)	Initial	Initial	(3) Mast Inspected Before Raising or Lowering	Initial

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL No.

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT

SIZE	No. LINES	METRES SLIPPED

METRES CUT OFF | PRESENT LENGTH

MEGAJOULES SINCE LAST CUT

CUMULATIVE MEGAJOULES

DRILLING CREW PAYROLL DATA No.

DATE 05 (Year) 08 (Month) 13 (Day) PROVINCE NWT

WELL NAME & No. K-29 CAMP ✓ NONCAMP

COMPANY

RIG MANAGER Dave Lamb RIG No. 58

TIME DISTRIBUTION - HOURS

CODE No.	OPERATION	FIRST TOUR	SECOND TOUR
1.	RIG UP AND TEAR DOWN	7.75	
2.	DRILL ACTUAL		
3.	REAMING		
4.	CORING		
5.	CONDITION MUD & CIRCULATE		
6.	TRIPS		
7.	LUBRICATE RIG		
8.	REPAIR RIG		
9.	CUT OFF DRILLING LINE		
10.	DEVIATION SURVEY		
11.	WIRE LINE LOGS		
12.	RUN CASING & CEMENT		
13.	WAIT ON CEMENT		
14.	NIPPLE UP B.O.P.		
15.	TEST B.O.P.		
16.	DRILL STEM TEST		
17.	PLUG BACK		
18.	SQUEEZE CEMENT		
19.	FISHING		
20.	DIR. WORK		
21.	Safety meet	.25	
22.			
23.			
COMPLETION	A. PERF'R'T'N		
	B. TBG TRIPS		
	C. TREATING		
	D. SWABBING		
	E. TESTING		
	F. ADDIT'N'L		
	G.		
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.		
HRS. W/OPR. D.P.		
HRS. WO/DP		
HRS. STANDBY		
TOTAL DAY WORK		

No. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

FIRST TOUR

No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD				
	BIT	m	BIT No.		TIME				
			SIZE		DENSITY kg/m³				
	STB RMR OD	m	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	m	TYPE		VISCOSITY				
	STB RMR OD	m	JETS mm		PV mPa•s YP Pa	/	/	/	
	D.C. ID OD	m	SER No.		GEL STR. Pa	/	/	/	
	STB RMR OD	m	DEPTH OUT		WATER LOSS cm³				
			DEPTH IN		pH				
			TOTAL METRES DRILLED		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	m	COND. 1/8's T/B/GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	m	FLOW RATE m³/min	/	TYPE	AMT. kg	TYPE	AMT. kg	
	KELLY DOWN	m	PRESSURE DROP kPa						
	TOTAL	m							
	(FORCE) WT. OF STRING	daN							

REMARKS

DRILLER

SECOND TOUR

No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD				
	BIT	m	BIT No.		TIME				
			SIZE		DENSITY kg/m³				
	STB RMR OD	m	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	m	TYPE		VISCOSITY				
	STB RMR OD	m	JETS mm		PV mPa•s YP Pa	/	/	/	
	D.C. ID OD	m	SER No.		GEL STR. Pa	/	/	/	
	STB RMR OD	m	DEPTH OUT		WATER LOSS cm³				
			DEPTH IN		pH				
			TOTAL METRES DRILLED		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	m	COND. 1/8's T/B/GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	m	FLOW RATE m³/min	/	TYPE	AMT. kg	TYPE	AMT. kg	
	KELLY DOWN	m	PRESSURE DROP kPa						
	TOTAL	m							
	(FORCE) WT. OF STRING	daN							

REMARKS

DRILLER

METRES DRILLED

FROM	TO	DR.. D RM. R CORE..C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKES per min	PUMP No. LINER SIZE	PUMP No. STROKES per min	METHOD RUN SGL - S PAREL - P COMD - C
					REDUCED PUMP SPEED							

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
00:00	00:15	.25	21	Pre JOB Safety Meeting Working AT Heights
00:15	08:00		1	Refit ROTary Seal, String escape line And Flag
				Get water circulating, Rig in Line spooler, Rig up Floor
				Rig up compensator Rams, 5 Pipe, Kicker Hose, Lights
				Install Bykeg

BOILER HOURS

FIRST TOUR 00:00 TO 12:00

CREW	SOC. INS. No.	NAME	HRS.		INJURIES YES	NO
DRILLER	115 882 276	Brian WyATT (DR)	8			BW
DERRICKMAN	550 764 160	Shawn WATson	8			SW
MOTORMAN	640 809 638	Greg ST. ARNAUD	8			GSA
FLOORMAN	646 567 776	Kevin LAUCK (KH)	8			KL
FLOORMAN	638 990 531	Justin Miller	8			JM
FLOORMAN						
LEASEMAN						
CRANE SUPT.						
MECHANIC						
WELDER						
ROUSTABOUT						
ROUSTABOUT						
TRAINEE						
DERRICKMAN (2)						

No. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

SECOND TOUR

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

BOILER HOURS

SECOND TOUR 12:00 TO 24:00

CREW	SOC. INS. No.	NAME	HRS.		INJURIES YES	NO
DRILLER						
DERRICKMAN						
MOTORMAN						
FLOORMAN						
FLOORMAN						
FLOORMAN						
LEASEMAN						
CRANE SUPT.						
MECHANIC						
WELDER						
ROUSTABOUT						
ROUSTABOUT						
TRAINEE						
DERRICKMAN (2)						

No. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

FORM 2T6m APPROVAL PENDING CAODC APPROVED Revised December 1986 COPYRIGHT 1977 JANUARY

OFFICIAL DAILY DRILLING REPORT FORM

APPROVAL PENDING CAODC APPROVED COPYRIGHT 1977 JANUARY