Paramount resources

4700 Bankers Hall West, 888 3rd Street SW Calgary, Alberta, Canada T2P 5C5 www.paramountres.com
tel 403 290 3600 fax 403 262 7994

MAIL ROOM
SALLE DE COURIER

2006 OCT 18 P 4:04

TRANSMITTAL

NEB/ONE

Date: October 18, 2006

NATIONAL ENERGY BOARD
5th Floor, 444 – 7th Avenue SW
Calgary, Alberta
T2P 0X8

Attention: Bharat Dixit

Description of Data

Please find enclosed:

Para et al Liard K-29A
Tour Sheets

Received by:_____ **Date:**_____

Remarks:_____

Please acknowledge receipt of the above information by signing and returning this form to the attention of Marsha Hodl.

Fax: (403) 266-6032

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 & 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 (onsite/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (onsite/gr/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	DPS	R.M.

YEAR 2005 | MONTH 10 | DAY 18 | RIG NO. 58 | FUEL @ 08:00 HRS | RIG 90 | BOILER

WEATHER: TEMPERATURE °C / °F | 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 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	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 | YOUR SHEET SERIAL NUM: AKTA58_20051018_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						4.5	0.25				3.25															
DAY																										
EVE																										
TOTAL						4.50	0.25				3.25															

SHALE SHAKER(S)

TOTALS	8.00			8.00
NO. 2 TYPE Derrick FLC	SCREENS CHANGED	NEW / USED	TOP	140
TYPE Derrick FLC			TOP	84
MIDDLE			MIDDLE	140
MIDDLE			MIDDLE	84
BOTTOM			BOTTOM	140
BOTTOM			BOTTOM	84

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 ASSEMBLY (AT END OF TOUR)

NO.	BIT	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
34	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 RECORD

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: T1 | T0 | 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: 0 | 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: 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	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
				mea. = 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	MEH.	MACP
TRIPPING		18496

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: 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 | MEH. | MACP

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: 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 | MEH. | MACP

DRILLING CREW PAYROLL DATA

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

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		DAVID FRANKLIN	10		DF
LEASE HAND		COREY COLBOURNE	10		CC

RATE SCHEDULE: X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2756 | 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: 2756 | 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: 2756 | 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	AI	GP
(2) Detailed Inspection - Weekly (Using Check List)	AI	GP
(3) H2S Signs Posted if Required	AI	GP
(4) Well License & Strat Diagram Posted	AI	GP
(5) Flare Lines Staked		
(6) BOP Drills Performed		
(7) Visually Inspect BOPs- Flare Lines & Degasser Lines	AI	GP
(1) Rig Site Health & Safety Meeting (once/crew/month)		GP
(2) CADDC Rig Safet Inspection Checklist (once/rig/month)		
(3) Mast Inspection before Raising or Lowering		
(4) Crown Saver Checked		GP
(5) Motor Kills Checked		

YEAR 2005 | MONTH 10 | DAY 17

RIG NO. 58

FUEL @ 08:00 HRS

RIG 118 | BOILER

WEATHER: TEMPERATURE | 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_20051017_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							0.25				7.75															
DAY											7.75										0.25					
EVE											7.75										0.25					
TOTAL							0.25				23.25										0.50					

TOTALS	SHALE SHAKER(S)				RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	202	749	
8.00	SCREENS CHANGED	NO	NEW/USED	NEW	ACCUM MJ	11191		
8.00	140	TOP	84	TOP	ACCUM OIL LEVEL	31		
8.00	140	MIDDLE	84	MIDDLE	TOP DRIVE HRS	0		
24.00	140	BOTTOM	84	BOTTOM	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 — FROM 0 TO 800

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 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 | T0 | 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: 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	11.0	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	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

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

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 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 | T0 | 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: 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 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:

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

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 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 | T0 | 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: 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
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
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

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 (DP / R / W)
- (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) CAODC Rig Safet Inspection Checklist (once/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)

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
YOUR SHEET SERIAL NUM	AKTA58_20051017_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 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																										
EVE																										
TOTAL							0.25				7.75						8.00									

SHALE SHAKER(S)

NO.	TYPE	TYPE	HOW USED
2	Derrick FLC	Derrick FLC	
SCREENS CHANGED			
TOP	140	84	
MIDDLE	140	84	
BOTTOM	140	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		

BHA

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	1652.73
56	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	58
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: T1 | 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 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			
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/ds
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 | MEAL | MACP | LOG ON DRILL PIPE | 184976

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2755

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

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		DAVID FRANKLIN	8		DF
LEASE HAND		COREY COLBOURNE	8		CC

DAY TOUR

BHA

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: 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

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 | MEAL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2755

DRIVERS:

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		BRIAN JULIAN			

EVENING TOUR

BHA

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: 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

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	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 | MEAL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2755

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

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		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'S INITIAL
(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

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m)	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	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 SIZE	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTA58_20051016_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	TOTALS
MORN					1.0		0.25				6.75																8.00
DAY						4.0					3.75										0.25						8.00
EVE					0.75						7.0										0.25						8.00
TOTAL					1.75	4.00	0.25				17.50										0.50						24.00

SHALE SHAKER(S)

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

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		

	TOP	MIDDLE	BOTTOM
	140	140	140
	84	84	84

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

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	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
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	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	MEK.	MACP
TRIPPING		18496

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2754

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

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		
	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	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

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
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	MEK.	MACP
TLC Logging		18469

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2754

DRIVERS:

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO	INJURIES
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

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	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
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	

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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	MEK.	MACP
WIRELINE		18469

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2754

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO	INJURIES
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

	OPER'S M
(1.) Daily Walk Around Inspection	
(2) Detailed Inspection - Weekly (Using Check List)	
(3.) HQS 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 (onetrew/month)	
(2.) CAODC Rig Safet Inspection Checklist (oneirig/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

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m2)	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_20051016_1B
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

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					
TIME MORN					1.0		0.25				6.75															
TIME DAY																										
TIME EVE																										
TOTAL					1.00		0.25				6.75															
TOTALS							8.00																			
							8.00																			

SHALE SHAKER(S): NO. / TYPE Derrick FLC / TYPE Derrick FLC; SCREENS CHANGED NO; NEW/USED NEW

TOP	TOP
140	84
MIDDLE	MIDDLE
140	84
BOTTOM	BOTTOM
140	84

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	193	637	
ACCUM MJ	2080		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	0		
TOTAL TOP DRIVE HRS	402.5		

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

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
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 | T2 | 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 0 | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

HOURS RUN 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	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: TRIPPING | MEAS: 18496 | MACP

RATE SCHEDULE X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2754

DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

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		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

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 | MEAS | MACP

RATE SCHEDULE REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2754

DRIVERS

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		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 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 | MEAS | MACP

RATE SCHEDULE REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2754

DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

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		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**
AL IRONSIDE	GARY PATRICK

DAILY CHECKS

	GPR	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 Location & Stick Diagram Posted	AI	GP
(5.) Flare Lines Staked	AI	GP
(6.) BOP Drills Performed		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 Rigging 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

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)

	O.D. 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	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_20051015_1E		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

TIME HRS

CODE NO.	1 RIG UP & 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
MORN									1.0		6.0											1.0				
DAY						2.75					5.0										0.25					
EVE											7.75										0.25					
TOTAL						2.75			1.00		18.75										0.50	1.00				

SHALE SHAKER(S)

NO. 2	TYPE Derrick FLC	TYPE 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		

TOTALS	
	8.00
	8.00
	8.00
	24.00

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 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 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 2753

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 2753

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

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

T1	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

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

DRILLER SIGNATURE: KEVIN VANDENBRAND

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	MEAS.	MACP
BOILER BLOW DOWN		18496

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

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: 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

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	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	MEAS.	MACP
Clean Mud Tanks		18496

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

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: 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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

DRILLER SIGNATURE: KEVIN VANDENBRAND

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	MEAS.	MACP
TRIPPING		18496

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 (onsite/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (onsite/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 BUSHING	6.8
OP FUEL	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTAS8_20051015_1B
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 Wait on orders	23	24	25	26
MORN											7.25															
DAY																						0.75				
EVE																										
TOTAL											7.25											0.75				

TOTALS	
MORN	8.00
DAY	
EVE	8.00
TOTAL	

SHALE SHAKER(S)

NO.	TYPE	TYPE	TYPE
2	Derrick FLC	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	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 — 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 — 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 — 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

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

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

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	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	MEAL	MACP
BOILER BLOW DOWN		18496

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	

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	MEAL	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	8	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	MEAL	MACP

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

	OK	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		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs - Flare Lines & Degasser Lines	AI	GP
(1.) Rig Site Health & Safety Meeting (crew/crewmonth)		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		

YEAR 2005 | MONTH 10 | DAY 14

RIG NO 58

FUEL @ 08:00 HRS

RIG 126 | BOILER

TEMPERATURE 4

WEATHER
CURRENT CONDITIONS: Clear
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 SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	127	29.02	E2		4.5IF	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

SHALE SHAKER(S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED | NEW/USED

	TOP	TOP
8.00	140	84
8.00	140	84
24.00	140	84
	BOTTOM	BOTTOM

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		

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_20051014_1C

VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIMES

CODE NO.	1 RIG UP & TEAR DOWN	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				

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		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 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	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	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	80

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

DRILLER SIGNATURE: KEVIN VANDENBRAND

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

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		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 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	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

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3620				

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 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

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		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 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	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

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
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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

DRILLER SIGNATURE: KEVIN VANDENBRAND

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

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	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: 2752

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

INJURIES

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2752

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

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2752

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

	OPER	C 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 (once/week/month)		
(2.) CAODC Rig Safet Inspection Checklist (once/quarterly)		
(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	BOILER
126	

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	DC/DP SIZE	MASS	GRADE	MINIMUM I.D	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DP	127	29.02	E2			4.5IF	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
DP 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

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

	5 COND MUD & CIRC	11 WIRELINE LOGS
MORN	1.25	6.75
DAY		
EVE		
TOTAL	1.25	6.75

SHALE SHAKER(S)

NO	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED	NEW	USED

TOP	TOP
140	84

MIDDLE	MIDDLE
140	84

BOTTOM	BOTTOM
140	84

TOTALS
8.00
8.00
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 CREW PAYROLL DATA

WELL NAME & NO		YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A		2005	10	14
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	2752		

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	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 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
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		PUMP NO. 2	
	LINER SIZE	SPM	LINER SIZE	SPM
7900	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

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

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		PUMP NO. 2	
	LINER SIZE	SPM	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 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:

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		PUMP NO. 2	
	LINER SIZE	SPM	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 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.	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 (date/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (crew/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	OPR	S.M.
	AI	GP
	AI	GP
	AI	GP
	AI	GP
	AI	GP
		GP
		GP

YEAR 2005 | MONTH 10 | DAY 13
RIG NO. 56
FUEL @ 08:00 HRS: RIG 164 | BOILER
WEATHER: TEMPERATURE & CURRENT CONDITIONS: Partly cloudy | WIND DIRECTION: S.W. | 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
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	DP 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		

PASON

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
	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					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
	NO. 2	TYPE Derrick FLC / Derrick FLC	TOTAL MJ	186	455	
8.00	SCREENS CHANGED	NO	NEW? USED	ACCUM MJ	14553	
8.00	140	TOP 84 TOP	ACCUM OIL LEVEL	31		
8.00	140	MIDDLE 84 MIDDLE	TOP DRIVE HRS	6.75		
24.00	140	BOTTOM 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	13
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	2751		

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	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 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 | MOC | 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: 10100 | PUMP NO. 1 LINER SIZE: 127 | PUMP NO. 1 SPM | PUMP NO. 2 LINER SIZE: 127 | PUMP NO. 2 SPM: 80

REDUCED PUMP SPEED: 4220 @ 3618 @ 40

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	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	MEAS.	MACP
TRIP IN HOLE	150	18738

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2751 | DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

MORNING TOUR — CREW

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		DAVID FRANKLIN	8		DF
LEASE HAND		COREY COLBOURNE	8		CC

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

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

REDUCED PUMP SPEED: 4220 @ 3618 @ 40

DRILLER SIGNATURE: ALLAN LICKOCH

FROM	TO	D-R-C	RPM	WOB
3620				

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 Fifa Drill

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEAS.	MACP
Tripping		18496

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2751 | DRIVERS:

DAY TOUR — CREW

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		BRIAN JULIAN	12		BJ

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

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

REDUCED PUMP SPEED: @ @

DRILLER SIGNATURE: KEVIN VANDENBRAND

FROM	TO	D-R-C	RPM	WOB

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 | TIME / DEPTH

SAFETY TOPIC	MEAS.	MACP
MAKE UP LOGGING TOOL		18496

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2751 | DRIVERS: KEVIN VANDENBRAND

EVENING TOUR — CREW

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		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 (DP/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 (time/crew/month)
(2) CAODC Rig Safet Inspection Checklist (covering/month)
(3) Mast 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 Cloudy
WIND DIRECTION N.E.
ROAD CONDITION MUDDY

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m2)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	OD/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	DP 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		

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 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
MORN					4.0	4.0																				
DAY																										
EVE																										
TOTAL					4.00	4.00																				

SHALE SHAKER(S)

TOTALS	NO.	TYPE	Derrick FLC	TYPE	Derrick FLC
8.00	SCREENS CHANGED		NEW/ USED		
	TOP	140	84	TOP	
	MIDDLE	140	84	MIDDLE	
8.00	BOTTOM	140	84	BOTTOM	

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	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	2751		

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
1	BIT SUB	124	.91
14	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
16	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

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	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
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	MEAS.	MACP
TRIP IN HOLE	150	18738

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

CREW SAFETY DAYS: 2751

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

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 — 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		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	MEAS.	MACP

RATE SCHEDULE | | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS: 2751

DRIVERS:

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO	INJURIES
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	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	MEAS.	MACP

RATE SCHEDULE | | REGULAR | | REPAIR | | INVERT

CREW SAFETY DAYS: 2751

DRIVERS: KEVIN VANDENBRAND

EVENING TOUR — FROM 1600 TO 2400

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				

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 (crew/week/month)
(2.) CAODC Rig Safet Inspection Checklist (crew/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	OPR	S.M.
(1.)	A/	G/P
(2.)	A/	G/P
(3.)	A/	G/P
(4.)	A/	G/P
(5.)	A/	G/P
(6.)	A/	G/P
(7.)	A/	G/P
		G/P
		G/P

YEAR 2005 | MONTH 10 | DAY 12
RIG NO. 58
FUEL @ 08.00 HRS
RIG 164 | BOILER
TEMPERATURE 1
CURRENT CONDITIONS Cloud/Partly
WIND DIRECTION N.E.
ROAD CONDITION MUDDY
WEATHER

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	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_20051012_1C		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

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

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	B.O.P. DRILL
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)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC / TYPE Derrick FLC	TOTAL MJ	177	910	
8.00	SCREENS CHANGED YES / NEW USED	ACCUM MJ	6008		
8.00	TOP 140 / TOP 84	ACCUM OIL LEVEL	31		
24.00	MIDDLE 140 / MIDDLE 84	TOP DRIVE HRS	20.75		
	BOTTOM 140 / BOTTOM 84	TOTAL TOP DRIVE HRS	333.5		

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) BIT	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
38	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	T2	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:

	1	2	3
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
CPAC	4	SX
GEL	48	SX
CAUSTIC	2	SX

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

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
8300	127		127	80

REDUCED PUMP SPEED: 3745 @ 2540 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: KEVIN VANDENBRAND

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 / TIME / DEPTH:

SAFETY TOPIC	MEH.	MACP
MIX MUD		18979

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2750	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

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	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
38	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	T2	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:

	1	2	3
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
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
3569	3601	D	80	9

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

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 Savior, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA D-6 Trip In Hole with Top Drive/A-2 Working @ Heights

SPECIAL EVENT / TIME / DEPTH:

SAFETY TOPIC	MEH.	MACP
Tripping		18738

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2750	

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

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	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
34	89mm H.W.D.P.	89	337.65
1	X.O.		.44
15	H.W.D.P.	127	141.20
45	D.P. STANDS		1268.50
	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	T2	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:

	1	2	3
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

METRES DRILLED

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

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

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 / TIME / DEPTH:

SAFETY TOPIC	MEH.	MACP
TRIPPING	135	18738

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2750	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		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

(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) Weekly Inspect BOPs- Flare Lines & Degasser Lines

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

OPS	R.M.

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

DRILL STRING	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 | DP 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

PASON

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
TIMES - 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					
MORN					6.75	1.0																				
DAY																					0.25					
EVE																										
TOTAL					6.75	1.00															0.25					

SHALE SHAKER(S)				RENTALS / SERVICES	MORN	DAY	EVE
NO 2	TYPE Derrick FLC	NO	TYPE Derrick FLC	TOTAL MJ	175	776	
SCREENS CHANGED	YES	NEW/ USED		ACCUM MJ	3874		
TOP 84		TOP 84		ACCUM OIL LEVEL	31		
MIDDLE 84		MIDDLE 84		TOP DRIVE HRS	19		
BOTTOM 84		BOTTOM 84		TOTAL TOP DRIVE HRS	312.25		

TOTALS: 8.00 | 8.00

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

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	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	MEH.	MACP
MIX MUD		

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

CREW SAFETY DAYS: 2750

DRIVERS: BRIAN WYATT; DOUG CHRISTIE

MORNING TOUR — CREW

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

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: 2750

DRIVERS

DAY TOUR — CREW

FROM 800 TO 1600

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			

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: 2750

DRIVERS

EVENING TOUR — CREW

FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO
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 (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/quarter/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
TEMPERATURE
WEATHER CURRENT CONDITIONS: Cloudy
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 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
	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
DP 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

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

	5	6	9	20	21
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. 1 TYPE Derrick FLC; NO. 2 TYPE Derrick FLC	TOTAL MJ	175	776	
8.00	SCREENS CHANGED NO; NEW/USED	ACCUM MJ	3874		
8.00	110 TOP; 110 TOP	ACCUM OIL LEVEL	31		
8.00	140 MIDDLE; 140 MIDDLE	TOP DRIVE HRS	19		
24.00	140 BOTTOM; 140 BOTTOM	TOTAL TOP DRIVE HRS	312.25		

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	CAMP	RIG SAFETY DAYS		
N.W.T.	X YES / NO	2749		

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES 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	INJURIES YES	INJURIES 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	INJURIES YES	INJURIES NO
DRILLER		ALLAN LICKOCH	8		AL
ASSIST DRILLER		KEVIN LAUCK	8		KL
DERRICK HAND		VIRGIL NANAQUAWETUNG			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: T1 | 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

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: 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: CHSECKED 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	MEAS.	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		2342.65
	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: T1 1 | To 2 | MDC BT | LOC H | BRG N | GAGE | ODC none | REASON PULLED PR | 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	
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 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
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/ds
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	MEAS.	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: 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	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

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

CIRCULATION PRESSURE kPa 8100 | PUMP NO. 1 LINER SIZE 127 | SPM | PUMP NO. 2 LINER SIZE 127 | SPM 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	MEAS.	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

(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 (start/weekly/month)
(2.) CAODC Rig Safet Inspection Checklist (weekly/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	OPR	R.M.

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	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	DP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051011_1B		
VERSION 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	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						6.25			1.0											0.5	0.25
DAY																					
EVE																					
TOTAL						6.25			1.00											0.50	0.25

TOTALS	SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
	2	Derrick FLC	Derrick FLC	TOTAL MJ	170	987	
8.00	SCREENS CHANGED		NEW/USED	ACCUM MJ	23917		
	TOP 110		TOP 110	ACCUM OIL LEVEL	31		
	MIDDLE 140		MIDDLE 140	TOP DRIVE HRS	19		
8.00	BOTTOM 140		BOTTOM 140	TOTAL TOP DRIVE HRS	312.25		

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)

MORNING TOUR

MUD RECORD

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

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	MEH.	MACP
TRIPPING	130	19221

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	INJURIES YES	INJURIES 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

MUD RECORD

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

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	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: 2749
DRIVERS:

EVENING TOUR

MUD RECORD

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

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	INJURIES 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: 2749
DRIVERS: BRIAN WYATT

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 & Block Diagram Posted
(5.) Flare Lines Staked
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

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

OPR	R.M.

YEAR 2005 MONTH 10 DAY 10
RIG NO. 58
FUEL @ 08:00 HRS
RIG 131 BOILER

WEATHER: TEMPERATURE: 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	DP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
TOUR SHEET SERIAL NUM	AKTA58_20051010_1C		
VERSION SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

TIME BREAKDOWN 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
MORN		0.25																					7.75			
DAY		0.25																			0.25	7.5				
EVE					3.75	2.5	0.25															1.5				
TOTAL		0.50			3.75	2.50	0.25														0.25	9.00	7.75			

SHALE SHAKER(S)

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

TOTALS	MORN	DAY	EVE
	8.00		
	8.00		
	8.00		
	24.00		

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		

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	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	-3.19
KELLY DOWN			
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 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	LOSS CIRCULATION		SAFETY TOPIC	MEAS.	MACP
TIME / DEPTH	0015	3568	MIXING MUD PRODUCT	150	18496

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	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	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 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 Saftey 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			SAFETY TOPIC	MEAS.	MACP
TIME / DEPTH			MIX MUD		18496

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	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		
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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 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			SAFETY TOPIC	MEAS.	MACP
TIME / DEPTH			TRIPPING	150	19221

DRILLING CREW PAYROLL DATA

WELL NAME & NO.		YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A		2005	10	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		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: 32
DRIVERS: BRIAN WYATT, DOUG CHRISTIE

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

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS: 2748
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

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS: 2748
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

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Block 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 Safer Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	OPR'S M.
1	
2	
3	
4	
5	
6	
7	

YEAR 2005 | MONTH 10 | DAY 10
RIG NO 58
FUEL @ 08:00 HRS
RIG 131 | BOILER

WEATHER
TEMPERATURE
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/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	DP 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	25	26
MORN		0.25																						LOSSES		
DAY																								7.75		
EVE																										
TOTAL		0.25																				TOTALS		7.75		
																						8.00		8.00		

SHALE SHAKER(S)

NO.	TYPE	TYPE
1	Derrick FLC	Derrick FLC
SCREENS CHANGED		NEW/USED
TOP	110	TOP 110
MIDDLE	140	MIDDLE 140
BOTTOM	140	BOTTOM 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	PARAMOUNT ET AL LIARD K-29A	YEAR	2005	MONTH	10	DAY	10
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	2748	

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
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	MOC	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

kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
17600	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 50sprm 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	MACP
	150	184

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

CREW SAFETY DAYS: 32

DRIVERS: 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

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	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	

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

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

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	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	

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 — 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

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Shut 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 Kits Checked

	OPR	R.M.
1		
2		
3		
4		
5		
6		
7		

YEAR 2005 MONTH 10 DAY 9
RIG NO. 58
FUEL @ 08.00 HRS
RIG 158 BOILER

TEMPERATURE
CURRENT CONDITIONS Cloud/Party
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)

DRILL STRING

	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	DP 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											0.75					
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
8.00	NO. 4	TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	165	963	
8.00	SCREENS CHANGED		NEVER USED	ACCUM MJ	18893		
8.00	TOP 110	MIDDLE 140	TOP 110 MIDDLE 140	ACCUM OIL LEVEL	31		
24.00	BOTTOM 140		BOTTOM 140	TOP DRIVE HRS	6		
				TOTAL TOP DRIVE HRS	283.25		

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
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

BOILERS

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

CIRCULATION PRESSURE kPa 17300

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

METRES DRILLED

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

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 RIGGING 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	MEAS.	MACP
PICK UP D.P.	144	18496

DAY 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
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
0			

BOILERS

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

CIRCULATION PRESSURE kPa 18500

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3470	3523.8	D	35	4
		D	0	35

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/ds - 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
TIME / DEPTH

SAFETY TOPIC	MEAS.	MACP
FALL ARREST		18496

EVENING 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
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

BOILERS

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

CIRCULATION PRESSURE kPa 90

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3523	3563	D	30	4

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
TIME / DEPTH

SAFETY TOPIC	MEAS.	MACP
FALL ARREST	150	18496

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

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

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS: 31
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

INJURIES

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS: 2747
DRIVERS:

EVENING TOUR — FROM 1600 TO 2400

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

RATE SCHEDULE X 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	CTR
(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 Slaked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Fibre Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (once/week/month)		
(2.) CAODC Rig Safet Inspection Checklist (once/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 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 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: 2005/08/12 TIME: 00:15

RIG RELEASE: TIME:

WELL TYPE: DIR. RE-ENTRY: YES

OPERATOR'S AFE:

KELLY BSHG: 6.8 QF 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

TIMER HRS

CODE NO.	1 RIG/UP & 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											0.75					
DAY																										
EVE																					0.75					
TOTAL		5.25	0.75		1.00					0.25											0.75					

SHALE SHAKER(S)

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

TOTALS	MORN	DAY	EVE
	8.00		
	8.00		
	8.00		

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	165	963	
ACCUM MJ	18893		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	6		
TOTAL TOP DRIVE HRS	283.25		

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
179	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

T1	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: 17300

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
127	85	127	

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	MEHL	MACP
PICK UP D.P.	144	18496

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

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	

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

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

T1	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	

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

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 10 | DAY 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 FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES 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 FROM 800 TO 1600

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: 2747

DRIVERS:

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES 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

	OP	R	W
(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.) Weekly 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 @ 06.00 HRS

RIG	BOILER
174	

TEMPERATURE 1

WEATHER

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 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
UP 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 RIG UP & 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	23 DRILL PIPE	24	25	26
MORN																				0.25	0.25	5.75	1.75			
DAY																				1.5	0.25	6.25				
EVE																					0.25	7.75				
TOTAL																				1.75	0.75	19.75	1.75			

TOTALS

8.00			
8.00			
8.00			
24.00			

SHALE SHAKER(S)

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

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	161	856	
ACCUM MJ	14786		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	6		
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	CONTRACTOR NAME			
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.			
RIG MANAGER		RIG NO		
		58		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	X YES NO	2746		

MORNING TOUR

FROM 0 TO 800

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
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
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
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

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
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

REVIEWED JSA G-27 RIG UP,LAYDOWN TRUCK, G-30 LAYDOWN DRILL STRING W/ LAYDOWN TRUCK

SPECIAL EVENT	TIME / DEPTH	SAFETY TOPIC	MEAS	MACP
		LAYDOWN DRILL STRING	65	18496

MORNING TOUR CREW

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: 30

DRIVERS: BRIAN WYATT, DOUG CHRISTIE

DAY TOUR

FROM 800 TO 1600

DRILLING ASSEMBLY (AT END OF TOUR)

NO.			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.			.61
18	89mm Drill pipe		89	174.36
1	JAR		121	3.87
176	89mm Drill pipe		89	1644.25
36	89mm H.W.D.P.		89	337.65
1	X.O.			.40
15	H.W.D.P.		127	141.20
	D.P.	STANDS		
	D.P.	SINGLES		
KELLY DOWN				
TOTAL				2340.73
WT. OF D.C.	37			
WT. OF STRING	88			

BIT RECORD

BIT NO.	4B	5
SIZE	156	156
IADC CODE		
MANUFACTURER	HUGHES	HUGHES
TYPE	PDC HCM404	PDC HCM404
SERIAL NO.	7104 229	7104208
JETS	12.7 12.7 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

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
BARITE	30	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
127		127	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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	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

SPECIAL EVENT	TIME / DEPTH	SAFETY TOPIC	MEAS	MACP
		PICK UP DRILL PIPE		18496

DAY TOUR CREW

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: 2746

DRIVERS

EVENING TOUR

FROM 1600 TO 2400

DRILLING ASSEMBLY (AT END OF TOUR)

NO.			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	3.87
170	89mm Drill pipe		89	1644.25
36	89mm H.W.D.P.		89	337.65
1	X.O.			.40
15	H.W.D.P.		127	141.20
70	D.P.	STANDS		667.38
	D.P.	SINGLES		
KELLY DOWN				
TOTAL				3008.11
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
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

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
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

SPECIAL EVENT	TIME / DEPTH	SAFETY TOPIC	MEAS	MACP
		PICK UP DRILL PIPE	110	18496

EVENING TOUR CREW

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: 2746

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.) 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		

WEATHER

(1.) Rig Site Health & Safety Meeting (bi-weekly/month)	
(2.) CAODC Rig Safet Inspection Checklist (bi-weekly/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

RIG: 174 | BOILER

FUEL @ 08:00 HRS

TEMPERATURE

CURRENT CONDITIONS	Cloudy
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 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	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
DP	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_1D		
	VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

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
	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	RIG UP LAY DOWN MUD	CASING/LINER			
MORN																				0.25	0.25	5.75	1.75			
DAY																										
EVE																										
TOTAL																				0.25	0.25	5.75	1.75			

TOTALS	8.00

SHALE SHAKER(S)

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

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	161	856	
ACCUM MJ	14786		
ACCUM OIL LEVEL	31		
TOP DRIVE HRS	6		
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	**CONTRACTOR NAME**		
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.		
RIG MANAGER	RIG NO.		
	58		
PROVINCE	CAMP	RIG SAFETY DAYS	
N.W.T.	X YES / NO	2746	

MORNING TOUR

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 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	I	I	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

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

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

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
REVIEWED JSA G-27 RIG UP,LAYDOWN TRUCK, G-30 LAYDOWN DRILL STRING W/ LAYDOWN
TRUCK

DRILLER SIGNATURE

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH	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

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)		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)	

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	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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

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

NOTES:

DRILLER SIGNATURE

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2746	

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			

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 (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

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

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

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

NOTES:

DRILLER SIGNATURE

SPECIAL EVENT	SAFETY TOPIC	MEHL	MACP
TIME / DEPTH			

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2746	BRIAN WYATT
	DOUG CHRISTIE

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			

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.) CAODC Rig Safet Inspection Checklist (once/quarter)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

GPS R.M.

YEAR 2005 MONTH 10 DAY 7
RIG NO. 58
FUEL @ 08:00 HRS
RIG 93 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	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
QP FUEL	
CONTRACTOR'S JOB NUM	05-21883
TOUR SHEET SERIAL NUM	AKTAS8_20051007_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 tripdown 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	NO	TYPE	TYPE		MORN	DAY	EVE
	2	Derrick FLC	Derrick FLC	TOTAL MJ	156	842	
8.00	SCREENS CHANGED		NEW/USED	ACCUM MJ	9771		
8.00	110	TOP	110 TOP	ACCUM OIL LEVEL	31		
8.00	140	MIDDLE	140 MIDDLE	TOP DRIVE HRS	7.25		
24.00	140	BOTTOM	140 BOTTOM	TOTAL TOP DRIVE HRS	277.25		

SHALE SHAKER(S) / RENTALS / SERVICES

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	

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
55	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 | IADC | 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)	

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	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 / TIME / DEPTH:

SAFETY TOPIC	MEH.	MACP
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

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
55	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 | IADC | 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
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
				rmea = 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 / TIME / DEPTH:

SAFETY TOPIC	MEH.	MACP
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

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
55	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 | IADC | 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		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 / TIME / DEPTH:

SAFETY TOPIC	MEH.	MACP
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

(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

	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 10 | DAY 7
RIG NO. 58
FUEL @ 08:00 HRS
RIG 93 | BOILER

WEATHER
TEMPERATURE: T
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)

	OC / DP	SIZE	MASS	GRADE	MIN/MUM 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_1B		
VERSION 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
	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		3.25	0.5		1.25	2.25	0.25			0.25											0.25					
DAY																										
EVE																										
TOTAL		3.25	0.50		1.25	2.25	0.25			0.25											0.25					

TOTALS	SHALE SHAKER(S)		RENTALS / SERVICES	MORN.	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC	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		
8.00	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: 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
5	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

T1	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
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	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 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 | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
OPERATE DRILL PANEL	140	18496

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

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 29 | 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
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

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				

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2745 | 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	

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

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO	INJURIES
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: 2745 | 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	S.V.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Shot Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (daily/biweekly/month)		
(2.) CAODC Rig Safet Inspection Checklist (biweekly/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 | MONTH 10 | DAY 6

RIG NO. 58

FUEL @ 08:00 HRS

RIG	BOILER
116	

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)

	OD / 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	36.10	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_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		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	SHALE SHAKER(S) NO.	TYPE (Derrick,FLC)	TYPE (Derrick,FLC)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	7	SCREENS CHANGED	NEW? USED	TOTAL MJ	153	321	
8.00	TOP 110	TOP 110	TOP	ACCUM MJ	62	51	
8.00	MIDDLE 140	MIDDLE 140	MIDDLE	ACCUM OIL LEVEL	31		
24.00	BOTTOM 140	BOTTOM 140	BOTTOM	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

FROM 0 TO 800

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
38	D.P. STANDS		1089.79
	D.P. SINGLES		
	KELLY DOWN		-18.84
	TOTAL		3366.00
	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)	3395
DEPTH IN (m)	3073
TOTAL DRILLED (m)	322.00
TOTAL HRS RUN	36

CUTTING STRUCTURE

T1	To	MOC	LOC	BRG	GAGE	OOC	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

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
8	1070	1050	1970

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3376	3395	D	30	4

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

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	DRIVERS
28	

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

FROM 800 TO 1600

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
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 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)	3426.5
DEPTH IN (m)	3073
TOTAL DRILLED (m)	353.50
TOTAL HRS RUN	40.75

CUTTING STRUCTURE

T1	To	MOC	LOC	BRG	GAGE	OOC	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

TIME	1000	1200	1600
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
0			

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3395	3426.5	D	35	5
			0	30

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

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	DRIVERS
2744	

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

FROM 1600 TO 2400

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
14	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 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)	3451
DEPTH IN (m)	3073
TOTAL DRILLED (m)	378.00
TOTAL HRS RUN	46

CUTTING STRUCTURE

T1	To	MOC	LOC	BRG	GAGE	OOC	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

TIME	1800	2000	2300
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

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3426	3451	D	30	5

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

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	DRIVERS
2744	

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

	O	P	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 (once/crew/month)				
(2.) CAODC Rig Safet Inspection Checklist (once/rig/month)				
(3.) Mast Inspection before Raising or Lowering				
(4.) Crown Saver Checked				
(5.) Motor Kills Checked				

YEAR 2005 MONTH 10 DAY 6

RIG NO. 58

FUEL @ 06:00 HRS

RIG 116 BOILER

WEATHER

TEMPERATURE

CURRENT CONDITIONS: CloudParty

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)

	OC / 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	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
DP	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_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
MORN		2.75	1.25			3.25	0.25			0.25											0.25					8.00
DAY																										
EVE																										
TOTAL		2.75	1.25			3.25	0.25			0.25											0.25					8.00

SHALE SHAKER(S)

NO. 2 | TYPE Derrick FLC | TYPE Derrick FLC

SCREENS CHANGED | NEW / USED

TOP	TOP
110	110
MIDDLE	MIDDLE
140	140
BOTTOM	BOTTOM
140	140

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.: PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 10 | DAY 6

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 2744

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: 28

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		DAVID FRANKLIN			
LEASE HAND		COREY COLBOURNE			

RATE SCHEDULE | 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			
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: 2744

DRIVERS

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		LENGTH	O.D.
1	BIT		29
1	MOTOR	7.85	121
1	Float/Restrictor Sub	.66	120
1	M.W.D.	9.49	121
1	Transmitter Sub	1.51	119
2	FLEX MONEL	18.98	121
9	89mm Drill pipe	86.82	89
1	JAR	3.87	121
165	89mm Drill pipe	1593.77	89
50	89mm H.W.D.P.	459.21	89
1	X.O.	.40	
15	H.W.D.P	141.20	127
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 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)	3395							
DEPTH IN (m)	3073							
TOTAL DRILLED (m)	322.00							
TOTAL HRS RUN	36							

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	DOC	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

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	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3376	3395	D	30	4

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

	LINER SIZE	SPM	LINER SIZE	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

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

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		LENGTH	O.D.
	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

T1	Tb	MDC	LOC	BRG	GAGE	DOC	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 / PUMP NO. 2

	LINER SIZE	SPM	LINER SIZE	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					SAFETY TOPIC	MEHL	MACP
TIME / DEPTH							

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		LENGTH	O.D.
	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

T1	To	MDC	LOC	BRG	GAGE	DOC	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 / PUMP NO. 2

	LINER SIZE	SPM	LINER SIZE	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					SAFETY TOPIC	MEHL	MACP
TIME / DEPTH							

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 (Utong 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 (pre/new/month)
(2.) CAODC Rig Safet Inspection Checklist (pre/ng/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

	O.D. (size)	MN.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
DC	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		
	VERSION 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		6.5			0.5		0.25			0.5											0.25						8.00
DAY		3.25			0.75	2.75		0.5		0.5											0.25						8.00
EVE		6.75					0.25			0.75											0.25						8.00
TOTAL		16.50			1.25	2.75	0.50	0.50		1.75											0.75						24.00

SHALE SHAKER(S)

NO.	TYPE	SCREENS CHANGED	NEW USER
2	Derrick FLC		
2	Derrick FLC		

TOP	TOP
110	110
MIDDLE	MIDDLE
140	140
BOTTOM	BOTTOM
140	140

RENTALS / SERVICES

	MORN.	DAY	EVE.
TOTAL MJ	150	201	
ACCUM MJ	31	31	
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: 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	

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
30	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
38	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):

MORNING TOUR — 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	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	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 5secs
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 — CREW

FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES 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

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
38	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

DAY TOUR — 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

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
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 — CREW

FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES 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

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
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):

EVENING TOUR — 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	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	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 — CREW

FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES 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

(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

	DPR	R.M.
(1) Rig Site Health & Safety Meeting (once/week/month)		
(2) CAODC Rig Safet Inspection Checklist (once/fortnight)		
(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; CURRENT CONDITIONS: CloudPartly; 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
DC	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
DP	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_20051005_1B		
VENDOR SOFTWARE VERSION:	EDR_3-1-4_HF2 ETS 2.2		

PASON

TIME ANALYSIS

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
	R/GUP & 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	WORK PIPE	& CONNECTS			
MORN		5.25					0.25			0.5										0.5	0.25	1.25				
DAY																										
EVE																										
TOTAL		5.25					0.25			0.50										0.50	0.25	1.25				

SHALE SHAKER(S)			RENTALS / SERVICES	MORN.	DAY	EVE
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	150	201	
8.00	SCREENS CHANGED	NEW / USED	ACCUM MJ	31	31	
	TOP 110	TOP 110	ACCUM OIL LEVEL	31		
	MIDDLE 140	MIDDLE 140	TOP DRIVE HRS	6.75		
8.00	BOTTOM 140	BOTTOM 140	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			-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: T1 | 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	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 / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
MAKING CONNECTIONS	55	18496

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 27 — DRIVERS

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)		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			-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: 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	

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 / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP

RATE SCHEDULE: ☐ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 2743 — DRIVERS

DAY TOUR

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			

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
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	

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: 2743 — DRIVERS

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		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
(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/quarter/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
	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_20051004_1C
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2.ETS 2.2

PASON

TOUR SUMMARY

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		5.75	0.75				0.25			1.25																8.00
DAY		6.25								1.5											0.25						8.00
EVE		6.0					0.25			1.5											0.25						8.00
TOTAL		18.00	0.75				0.50			4.25											0.50						24.00

SHALE SHAKER(S): NO. 2; TYPE Derrick FLC; SCREENS CHANGED NO; TYPE Derrick FLC; NEW? USER

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		

TOP	MIDDLE	BOTTOM
110	140	140
110	140	140

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

MORNING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT	29	
1	MOTOR	7.85	
1	Float/Restrictor Sub	.66	
1	M.W.D.	9.49	
1	Transmitter Sub	1.51	
2	FLEX MONEL	18.98	
9	89mm Drill pipe	86.82	
1	JAR	3.87	
165	89mm Drill pipe	1593.77	
50	89mm H.W.D.P.	459.21	
1	X.O.	.40	
15	H.W.D.P.	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: T1 | To | IADC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG 10-15drv/20-30up; TORQUE AT BOTTOM 10400; FILL ON BOTTOM (m) 2.5

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

CIRCULATION PRESSURE kPa: 16800

PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
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	TIME / DEPTH	SAFETY TOPIC	MEH.	MACP
		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

INJURIES

DAY TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT	29	
1	MOTOR	7.85	
1	Float/Restrictor Sub	.66	
1	M.W.D.	9.49	
1	Transmitter Sub	1.51	
2	FLEX MONEL	18.98	
9	89mm Drill pipe	86.82	
1	JAR	3.87	
165	89mm Drill pipe	1593.77	
50	89mm H.W.D.P.	459.21	
1	X.O.	.40	
15	H.W.D.P.	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: T1 | To | IADC | 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)

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

CIRCULATION PRESSURE kPa: 16000

PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
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	TIME / DEPTH	SAFETY TOPIC	MEH.	MACP

RATE SCHEDULE X 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	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

INJURIES

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT	29	
1	MOTOR	7.85	
1	Float/Restrictor Sub	.66	
1	M.W.D.	9.49	
1	Transmitter Sub	1.51	
2	FLEX MONEL	18.98	
9	89mm Drill pipe	86.82	
1	JAR	3.87	
165	89mm Drill pipe	1593.77	
50	89mm H.W.D.P.	459.21	
1	X.O.	.40	
15	H.W.D.P.	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: T1 | To | IADC | 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)

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
0	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: 17700

PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
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	TIME / DEPTH	SAFETY TOPIC	MEH.	MACP
		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		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

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 & 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 Safer 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: CURRENT CONDITIONS: CloudParty; 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)

	OD OF	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	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

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 DR. WORK	21 SAFETY MEETING	22	23	24	25	26
TIME HRS MORN		5.75	0.75				0.25			1.25																
DAY																										
EVE																										
TOTAL		5.75	0.75				0.25			1.25																

TOTALS	SHALE SHAKER(S) NO.	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
8.00	2	Derrick FLC / Derrick FLC	TOTAL MJ	148	814	
	SCREENS CHANGED	NO	NEW / USED	ACCUM MJ	17	43
	TOP	110	TOP 110	ACCUM OIL LEVEL	.32	
	MIDDLE	140	MIDDLE 140	TOP DRIVE HRS	6.75	
8.00	BOTTOM	140	BOTTOM 140	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

MORNING TOUR — FROM 0 TO 800 — INJURIES

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

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 26 — DRIVERS

DAY TOUR — 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			

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2742 — DRIVERS

EVENING TOUR — FROM 1600 TO 2400 — INJURIES

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: 2742 — DRIVERS

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	18.96
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 | 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

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: 16800

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
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. o/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 / TIME / DEPTH

SAFETY TOPIC	MEAL	MACP
Mixing Mud		18738

DAY 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 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 / 2 — HRS RUN 0 / 0 — 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: 800 | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES:

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

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 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 / 2 — HRS RUN 0 / 0 — 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 | MEAL | 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

	QUE	R	E	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 Safe Health & Safety Meeting (chair=w/month)				
(2) CAODC Rig Safet Inspection Checklist (chair=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/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_20051003_1C
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

PASON

CODE NO.	1 RIG/UP & 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)		RENTALS / SERVICES	MORN	DAY	EVE
NO. 2	TYPE Derrick FLC	TOTAL MJ	148	814	
SCREENS CHANGED	NO	NEW? USED	ACCUM MJ	17	43	
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	256.0		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	PARAMOUNT ET AL LIARD K-29A	YEAR	2005	MONTH	10	DAY	3
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	2741	

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
45	D.P.	STANDS	
2	D.P.	SINGLES	1422.73
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
BARITE	42	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		

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3061	3073	D	0	20
			30	5

CIRCULATION PRESSURE kPa: 14800 | PUMP NO. 1 LINER SIZE 127 SPM | PUMP NO. 2 LINER SIZE 152 SPM 95

REDUCED PUMP SPEED: 4800 @ 3068 @ 50

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
3054.77	83.0	312.3

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			SAFETY TOPIC	MEAS.	MACP
TIME / DEPTH			Safe Work Practices		18738

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 25

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				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

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 HCM404Z	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

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

SLOW PENETRATION

HOLE CONDITION

HOLE DRAG	10-25 UP
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	0
BOILER pH		
STACK TEMP		

DRILLER SIGNATURE

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE SPM | PUMP NO. 2 LINER SIZE 127 SPM 152

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

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			SAFETY TOPIC	MEAS.	MACP
TIME / DEPTH			P.O.O.H		18737

RATE SCHEDULE: REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2741

DRIVERS

DAY TOUR — CREW

FROM 800 TO 1600 — INJURIES

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

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
41	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

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

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	9500
FILL ON BOTTOM (m)	2.5

EVENING TOUR — 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

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

BOILERS

	1	2
HRS RUN	0	0
BOILER pH		
STACK TEMP		

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
3070.5	3071	R	30	2

CIRCULATION PRESSURE kPa: 17100 | PUMP NO. 1 LINER SIZE 127 SPM 0 | PUMP NO. 2 LINER SIZE 152 SPM 95

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

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. & Ream 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			SAFETY TOPIC	MEAS.	MACP
TIME / DEPTH			Slip & Cut		18738

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2741

DRIVERS

EVENING TOUR — CREW

FROM 1600 TO 2400 — INJURIES

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		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 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

	QPR	R	M

YEAR 2005 MONTH 10 DAY 3
RIG NO 58
FUEL @ 08:00 HRS
RIG | BOILER
81

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 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	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
DP	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		
VERSION SOFTWARE VERSION:	EDR_3-1-4_HF2 ETS 2.2		

CADOC

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		3.75			1.25	2.75				0.25																
DAY																										
EVE																										
TOTAL		3.75			1.25	2.75				0.25																

TOTALS	SHALE SHAKER(S)				RENTALS / SERVICES	MORN.	DAY	EVE.
8.00	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	19.5		
8.00	BOTTOM 140		BOTTOM 140		TOTAL TOP DRIVE HRS	256.5		

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	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
10	89mm H.W.D.P.	89	459.21
1	X.O.		.40
15	H.W.D.P.	127	141.20
49	D.P. STANDS		
2	D.P. SINGLES		1422.73
	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.	7002276385
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
14800	127		152	95

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	DRIVERS
25	

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		
FLOOR HAND		SEAN WOLOSCH	8		
LEASE HAND		BRIAN JULIAN	8		BJ

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	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	DRIVERS
2741	

DAY TOUR 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			

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	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	DRIVERS
2741	

EVENING TOUR FROM 1600 TO 2400 — INJURIES

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		

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

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

	DP	RM
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well License & Sick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Weekly 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.) Motion Kills Checked		

YEAR 2005 MONTH 10 DAY 2
RIG NO 58
FUEL @ 08:00 HRS
RIG 102 BOILER

WEATHER: TEMPERATURE 1; CURRENT CONDITIONS CloudPartly; WIND DIRECTION N.E.; ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	O.D. (mm)	MN 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	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
DP	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 QP FUEL:
CONTRACTOR'S JOB NUM: 05-21883
YOUR SHEET SERIAL NUM: AKTA58_20051002_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
MORN		6.75								1.25																
DAY		7.0					0.25			0.5											0.25					
EVE		6.75			0.25					0.75											0.25					
TOTAL		20.50			0.25		0.25			2.50											0.50					

SHALE SHAKER(S)

NO	TYPE	TYPE	TYPE
2	Derrick FLC	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	142	133	
ACCUM MJ	15	999	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	19.0		
TOTAL TOP DRIVE HRS	237.0		

DRILLING CREW PAYROLL DATA

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

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT
CREW SAFETY DAYS: 24 — DRIVERS

DAY TOUR — FROM 800 TO 1600 — INJURIES

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: 2740 — 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			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: 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 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 mHR

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	0
BOILER pH		
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	306.7

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	MEAS.	MACP
Workplace Violence		18980

DAY 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
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 mHR

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	0
BOILER pH		
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 clamp and brake linkages
review jsas A-17 INSPECTING LANYARDS

SPECIAL EVENT: — TIME / DEPTH:

SAFETY TOPIC	MEAS.	MACP
WORKPLACE VIOLENCE		18979

EVENING 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
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 mHR

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	0
BOILER pH		
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	MEAS.	MACP
Safety Glasses		18737

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 (over/crewmonth)		
(2.) CAODC Rig Safe Inspection Checklist (yearly/month)		
(3.) Mast 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

WEATHER
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 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	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5 IF	170	F-1000	EMSCO	254
	127	74.35	HWDP			4.5 IF	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_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																

SHALE SHAKER(S)

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

RENTALS / SERVICES	MORN	DAY	EVE
TOTAL MJ	140	995	
ACCUM MJ	14	861	
ACCUM OIL LEVEL	.32		
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	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: 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

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	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 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	MOC	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			
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	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	MEHL	MACP
Workplace Violence		18980

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	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	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

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	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	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

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 & 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		

YEAR 2005 | MONTH 10 | DAY 1

RIG NO. 58 | FUEL @ 08:00 HRS | RIG 126 | BOILER

WEATHER — TEMPERATURE: I | 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..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	DP FUEL	
CONTRACTOR'S JOB NUM	05-21883		
YOUR SHEET SERIAL NUM	AKTA58_20051001_1C		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

TIME BREAKDOWN

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	TOTALS
	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		6.5					0.25			1.25																	8.00
DAY		6.5					0.25			1.0											0.25						8.00
EVE		5.25			0.5	1.5				0.5											0.25						8.00
TOTAL		18.25			0.50	1.50	0.50			2.75											0.50						24.00

SHALE SHAKER(S)

NO.	TYPE	TYPE	
2	Derrick FLC	Derrick FLC	

SCREENS CHANGED: NO | NEW / USED:

	TOP	MIDDLE	BOTTOM
	110	140	140

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	140	995	
ACCUM MJ	14	861	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	16.75		
TOTAL TOP DRIVE HRS	218.0		

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
10	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

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	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
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	MEH.	MACP
TIME / DEPTH		Lock-out Procedure		18980

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
10	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)	

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	
pvt	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	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
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/ 2898m- 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	MEH.	MACP
TIME / DEPTH		crown savers		18737

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
10	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

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	
pvt	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	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
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/1-4 Mix Mud

SPECIAL EVENT		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH		Wipper Trip		16980

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	CAMP X YES NO	RIG SAFETY DAYS		
N.W.T.		2739		

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

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
23	

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

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2739	

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

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2739	

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	C.M.
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Wet Louvre & 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 2005 MONTH 10 DAY 1
RIG NO. 58
FUEL @ 08:00 HRS
RIG 126 BOILER

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

LAST CASING TUBING OR LINER

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

	OC 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_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		6.5					0.25			1.25																
DAY																										
EVE																										
TOTAL		6.50					0.25			1.25																

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO 2 TYPE Derrick FLC / NO 1 TYPE Derrick FLC	TOTAL MJ	138	799	
	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: 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 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

RATE SCHEDULE: X REGULAR / REPAIR / INVERT

CREW SAFETY DAYS: 23 — DRIVERS

DAY TOUR 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			

RATE SCHEDULE: REGULAR / REPAIR / INVERT

CREW SAFETY DAYS: 2739 — DRIVERS

EVENING TOUR FROM 1600 TO 2400 — INJURIES

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: 2739 — DRIVERS

BIT RECORD

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
43	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		1665.73
	WT. OF D.C.	37	
	WT. OF STRING	85	

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: 14600

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

DAY TOUR — MUD RECORD

MUD TYPE: WATER BASED / OIL BASED

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

MUD MATERIALS ADDED — SOLIDS CONTROL — CIRCULATION PRESSURE — DEVIATION SURVEYS — BOILERS — DRILLER SIGNATURE

CIRCULATION PRESSURE kPa: PUMP NO. 1 LINER SIZE 127 / PUMP NO. 2 LINER SIZE 152

METRES DRILLED — TIME LOG — NOTES — SPECIAL EVENT / TIME / DEPTH — SAFETY TOPIC / MEHL / MACP

EVENING TOUR — MUD RECORD

MUD TYPE: WATER BASED / OIL BASED

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

MUD MATERIALS ADDED — SOLIDS CONTROL — CIRCULATION PRESSURE — DEVIATION SURVEYS — BOILERS — DRILLER SIGNATURE

CIRCULATION PRESSURE kPa: PUMP NO. 1 LINER SIZE 127 / PUMP NO. 2 LINER SIZE 152

METRES DRILLED — TIME LOG — 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 (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 (once/week/month)
(2.) CAODC Rig Safet Inspection Checklist (once/fortnight)
(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 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_20050930_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 TOTALS
TIME - HRS MORN		6.5					0.25			1.0											0.25	8.00
DAY		4.75			0.5	1.25	0.25			1.0											0.25	8.00
EVE		5.0				1.25				1.5											0.25	8.00
TOTAL		16.25			0.50	2.50	0.50			3.50											0.75	24.00

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	138	799	
ACCUM MJ	12	665	
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

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 | DOC | 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	
pvl	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		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2696	2736	D	80	10

CIRCULATION PRESSURE kPa: 13800 | PUMP NO. 1 LINER SIZE: 127 | SPM: 95 | PUMP NO. 2 LINER SIZE: 152 | SPM:
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

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/f2696m to 2699m
0030	0045	0.25	10	Survey @ 2684.19m
0045	0145	1.00	2	Drill 156mm Hole/f2699m 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/f2708 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

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 22 | 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		SEAN WOLOSCH	8		SW
LEASE HAND		BRIAN JULIAN	8		BJ

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	
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 | DOC | 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		
pvl	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		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2736	2778	D	30	3

CIRCULATION PRESSURE kPa: 13500 | PUMP NO. 1 LINER SIZE: 127 | SPM: 95 | PUMP NO. 2 LINER SIZE: 152 | SPM: 2746
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

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 | TIME / DEPTH | SAFETY TOPIC: work/light hole | MEHL | MACP: 18496

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2738 | DRIVERS

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

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	
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 | DOC | 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	
pvl	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		

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2778	2833	D	30	3

CIRCULATION PRESSURE kPa: 13800 | PUMP NO. 1 LINER SIZE: 127 | SPM: 95 | PUMP NO. 2 LINER SIZE: 152 | SPM:
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

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 | TIME / DEPTH | SAFETY TOPIC: Wipper Trip | MEHL | MACP: 18980

RATE SCHEDULE X | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2738 | 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		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 & 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.) 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 2005 | MONTH 9 | DAY 30
RIG NO. 58
FUEL @ 08:00 HRS
RIG | BOILER
146

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...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_20050930_1B		
VENDOR SOFTWARE VERSION	EDR 3-1-4 HF2 ETS 2.2		

PASON

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	TOTALS
	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						
TIME HRS MORN		6.5					0.25			1.0											0.25						8.00
DAY																											
EVE																											
TOTAL		6.50					0.25			1.00											0.25						8.00

SHALE SHAKER(S)				RENTALS / SERVICES	MORN	DAY	EVE
NO.	TYPE Derrick FLC	TYPE Derrick FLC					
2	SCREENS CHANGED NO	NEW USED		TOTAL MU	136	551	
	TOF 110	TOP 110		ACCUM MU	10	417	
	MIDDLE 140	MIDDLE 140		ACCUM OIL LEVEL	.32		
	BOTTOM 140	BOTTOM 140		TOP DRIVE HRS	19.50		
				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	CONTRACTOR NAME			
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.			
RIG MANAGER		RIG NO		
		58		
PROVINCE	CAMP X YES NO	RIG SAFETY DAYS		
N.W.T.		2738		

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		
2	D.P. SINGLES		1080.43
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

T1	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	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2696	2736	D	80	10

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

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/2696m to 2699m
0030	0045	0.25	10	Survey @ 2684.19m
0045	0145	1.00	2	Drill 156mm Hole/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/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	MEH.	MACP
TIME / DEPTH	Hoisting Tubulars		19221

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
22	

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
	127		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
800				

NOTES

SPECIAL EVENT	SAFETY TOPIC	MEH.	MACP
TIME / DEPTH			

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2738	

DAY TOUR — 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			

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

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)	

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
	127		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	MEH.	MACP
TIME / DEPTH			

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2738	

EVENING TOUR — FROM 1600 TO 2400 — INJURIES

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		

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 (OP/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.) CADOC Rig Safet Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kits Checked

YEAR 2005 MONTH 9 DAY 29
RIG NO. 58
FUEL @ 08:00 HRS
RIG 170 BOILER

WEATHER
TEMPERATURE
CURRENT CONDITIONS: CloudParty
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	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_20050929_1C		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CADOC — 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
HOURS 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	SHALE SHAKER(S) NO. 1 TYPE Derrick FLC	NO. 2 TYPE Derrick FLC	RENTALS / SERVICES	MORN	DAY	EVE
	8.00 SCREENS CHANGED NO	NEW USED	TOTAL MJ	136	551	
	8.00 110 TOP	110 TOP	ACCUM MJ	10	417	
	8.00 140 MIDDLE	140 MIDDLE	ACCUM OIL LEVEL	.32		
	24.00 140 BOTTOM	140 BOTTOM	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 — 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: 21 — DRIVERS

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: 2737 — DRIVERS

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: 2737 — DRIVERS

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
55	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 | MOC | 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	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
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	MEHL	MACP
Connections		19463

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
55	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 | MOC | 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	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
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 Safley 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 / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Pick up tubulars		18979

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
56	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 | MOC | 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	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
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 / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Loader Use		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 & Sick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs, Flare Lines & Diagram 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 Kills Checked		

YEAR 2005 MONTH 9 DAY 29

RIG NO. 58

FUEL @ 08:00 HRS

RIG 170 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
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

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 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			0.75					0.5																
DAY																										
EVE																										
TOTAL		6.75			0.75					0.50																
TOTALS																	8.00									8.00

SHALE SHAKER(S)

NO	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED: NO — NEW / USED

TOP	MIDDLE	BOTTOM
110	140	140
110	140	140

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	94	17	
ACCUM MJ	135	551	
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 — 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

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 21

DRIVERS

DAY TOUR — 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			

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2737

DRIVERS

EVENING TOUR — FROM 1600 TO 2400 — INJURIES

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: 2737

DRIVERS

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	29	
1	MOTOR	158	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	18.96
9	89mm Drill pipe	89	86.82
1	JAR	121	3.90
97	89mm Drill pipe	89	935.73
60	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

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	2651	D	90	10

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

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

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
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	

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800				

NOTES:

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEH.	MACP

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
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	

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

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) Valvually Inspect BOPs- Flare Lines & Degasser Lines
(1) Rig Site Health & Safety Meeting (crew/crew/month)
(2) CAODC Rig Safet Inspection Checklist (crew/rig/month)
(3) Mast Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	DEP	R.M.

YEAR	MONTH	DAY
2005	9	28

RIG NO. 58

FUEL @ 08:00 HRS

RIG	BOILER
106	

TEMPERATURE	
MAX	
MIN	

CURRENT CONDITIONS
Cloud/Party

WIND DIRECTION
N.E.

ROAD CONDITION
ROUGH

WEATHER

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	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		
YOUR SHEET SERIAL NUM	AKTA58_20050928_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
MORN			0.5		2.25	5.25																				
DAY			5.75			2.0																				
EVE						6.75	0.25														0.25					
TOTAL			6.25		2.25	14.00	0.25													1.00	0.25					

TOTALS	SHALE SHAKER(S) NO.	TYPE J. Derrick FLC	TYPE Derrick FLC	RENTALS / SERVICES	MORN	DAY	EVE
8.00	SCREENS CHANGED NO	NEW/ USED		TOTAL MJ	94	17	
8.00	TOP 110	TOP 110		ACCUM MJ	135	551	
8.00	MIDDLE 140	MIDDLE 140		ACCUM OIL LEVEL	32		
24.00	BOTTOM 140	BOTTOM 140		TOP DRIVE HRS	4.25		
				TOTAL TOP DRIVE HRS	168.5		

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
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

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
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	127	80	152	

REDUCED PUMP SPEED

2620 @ 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 5slds.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		SAFETY TOPIC	MEAL	MACP
TIME / DEPTH		Tripping		19463

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
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)	

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

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
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		SAFETY TOPIC	MEAL	MACP
TIME / DEPTH		R.I.H W/T.D		19463

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	469.21
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)	

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		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		SAFETY TOPIC	MEAL	MACP
TIME / DEPTH		Tripping		19463

DRILLING CREW PAYROLL DATA

WELL NAME & NO.		YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A		2005	9	28
OPERATOR	CONTRACTOR NAME			
PARAMOUNT RESOURCES LTD.	AKITA DRILLING LTD.			
RIG MANAGER		RIG NO.		
		58		
PROVINCE	CAMP X YES NO	RIG SAFETY DAYS		
N.W.T.		2736		

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		SEAN WOLOSCH	8			SW
LEASE HAND		BRIAN JULIAN	8			BJ

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
20	

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	DRIVERS
2736	

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		SEAN WOLOSCH	4			SW
LEASE HAND		BRIAN JULIAN	4			BJ

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2736	

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 OPERATORS REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS (Q P R 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 (bi-weekly/monthly)
(2.) CAODC Rig Safet Inspection Checklist (bi-weekly/monthly)
(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
ROC 106 BOILER
TEMPERATURE
WEATHER — 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 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

SHALE SHAKER(S): NO. 2 TYPE Derrick FLC; TYPE Derrick FLC; SCREENS CHANGED NO; NEW / USED

RENTALS / SERVICES	MORN	DAY	EVE
TOTAL MJ	11	67	
ACCUM MJ	127	301	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	4.25		
TOTAL TOP DRIVE HRS	168.5		

	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

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			0.5		2.25	5.25																				
DAY																										
EVE																										
TOTAL			0.50		2.25	5.25																				
TOTALS																						8.00				

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	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: 20

DRIVERS:

DAY TOUR — FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO

RATE SCHEDULE: ☐ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 2736

DRIVERS:

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO

RATE SCHEDULE: ☐ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 2736

DRIVERS:

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
		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
50	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

MUD RECORD

MUD TYPE: ☐ WATER BASED X OIL BASED ☐

	200	400	600
TIME			
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
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	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	MEAL	MACP
Tripping		19463

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
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
	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	MEAL	MACP

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
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
	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	MEAL	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 & Shot 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 (once/q/month)
(3) Mast Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	DRILL	M.
AI	GP	
AI	GP	
AI	GP	
AI	GP	
AI	GP	
	GP	

YEAR 2005 MONTH 9 DAY 27
RIG NO 58
FUEL @ 06:00 HRS
RIG 122 BOILER

WEATHER
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 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	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_20050927_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 tight hole	23	24	25	26	TOTALS
TIME-HRS MORN																						8.0				8.00
DAY					0.5	6.25															0.25	1.0				8.00
EVE						4.75	0.25	1.5	1.0												0.5					8.00
TOTAL					0.50	11.00	0.25	1.50	1.00												0.75	9.00				24.00

SHALE SHAKER(S)			
NO 2	TYPE Derrick FLC	TYPE 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		

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

T1	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 — WATER BASED ☐ OIL BASED ☒

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	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
13350	127	70	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	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	MEAS.	MACP
TIME / DEPTH			WORK TIGHT HOLE		19463

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 19
DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

MORNING TOUR FROM 0 TO 800 — 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		JASON SMITH	10			JS
LEASE HAND		DAVID FRANKLIN	10			DF

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

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN mHR

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

DAY TOUR — **MUD RECORD**

MUD TYPE — WATER BASED ☒ 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	0
BOILER pH		
STACK TEMP		

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
12800	127	70	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
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	MEAS.	MACP
TIME / DEPTH			Work Tight Hole		19463

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2735
DRIVERS:

DAY TOUR FROM 800 TO 1600 — INJURIES

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

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
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	275.52
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 / 12.7 12.7	OPEN	
DEPTH OUT (m)	2630	2630	
DEPTH IN (m)	2567		
TOTAL DRILLED (m)	63.00		
TOTAL HRS RUN	11.5		

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN mHR

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	0
BOILER pH		
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: 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	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	6	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	MEAS.	MACP
TIME / DEPTH			BOP DRILL		19463

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2735
DRIVERS:

EVENING TOUR FROM 1600 TO 2400 — INJURIES

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 (QPR | 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) CADDC 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 27
RIG NO. 58
FUEL @ 08:00 HRS: RIG 122 | BOILER
WEATHER: 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
	DC	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	DP	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_20050927_1B
VERSION SOFTWARE VERSION EDR_3-1-4_HF2 ETS 2.2

CADDC — PASON

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	TOTALS
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TKIPS	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.	DRILL STEM TEST	PLUG BACK	SQUEEZ CEMENT	FISHING	DIR. WORK	SAFETY MEETING	sight hole					
TIME HRS MORN																						8.0					8.00
DAY																											
EVE																											
TOTAL																						8.00					8.00

SHALE SHAKER(S): NO. 2 | TYPE Derrick FLC | SCREENS CHANGED | NEW/USED | 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 27
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 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
106	3.5 DRILL PIPE	121	1022.55
10	3.5in HWDP	121	459.21
1	X.O.	150	.40
15	H.W.D.P.	127	141.20
54	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)

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
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: WORK TIGHT HOLE | MEAS. 19463 | MACP

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 19 | DRIVERS: 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

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	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 | MEAS. | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2735 | 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			

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	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 | MEAS. | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2735 | DRIVERS: 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			

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 & 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/month)
(2.) CADC Rig Safet Inspection Checklist (once/month)
(3.) Meet Inspection before Rasing or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

YEAR 2005 MONTH 9 DAY 26
RIG NO. 58
RIG FUEL @ 08:00 HRS
RIG 141 BOILER

WEATHER
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 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	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
DP	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		
YOUR SHEET SERIAL NUM	AKTA58_20050926_1C		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CADC — 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 clean tanks	TOTALS
MORN			4.5		1.0																					2.5	8.00
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	24.00

SHALE SHAKER(S)							
NO. 7	TYPE Derrick FLC	TYPE Derrick FLC					
SCREENS CHANGED	YES	NEW USED	NEW				
	TOP 110	TOP 110					
	MIDDLE 140	MIDDLE 140					
	BOTTOM 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		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	RIG SAFETY DAYS		
N.W.T.	X YES NO	2734		

BIT RECORD

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
52	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 | 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: 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	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
10275	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	MEH.	MACP
CLEAN TANKS		20009

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 18

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

MORNING TOUR — CREW

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

BIT RECORD

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
53	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 | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG: 8up 10dn
TORQUE AT BOTTOM:
FILL ON BOTTOM (m): 0

DAY TOUR — MUD RECORD

MUD TYPE: — WATER BASED [X] OIL BASED [ ]

TIME	800	1200	1600
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	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
8800	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	MEH.	MACP
Loader operation		19463

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2734

DRIVERS:

DAY TOUR — CREW

FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	INJURIES 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

BIT RECORD

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
54	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 | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION
HOLE DRAG: 8 UP 10 DN
TORQUE AT BOTTOM:
FILL ON BOTTOM (m):

EVENING TOUR — MUD RECORD

MUD TYPE: — WATER BASED [X] OIL BASED [ ]

TIME	1800	2100	
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	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
10200	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	MEH.	MACP
MIXING MUD		19463

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2734

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

EVENING TOUR — CREW

FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	INJURIES 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.W.
(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 (daily/weekly/month)		
(2) CAODC Rig Safet Inspection Checklist (daily/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 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_20050926_1B		
	VERNOR 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 ream	23	24	25	26 clean tanks	TOTALS
MORN					1.0																	4.5				2.5	8.00
DAY																											
EVE																											
TOTAL					1.00																	4.50				2.50	8.00

SHALE SHAKER(S)

NO.	TYPE	TYPE	
2	Derrick FLC	Derrick FLC	
SCREENS CHANGED	YES	NEW / USED	NEW
TOP	110	TOP	110
MIDDLE	140	MIDDLE	140
BOTTOM	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	7.76
1	FLOAT/RESTRICTOR	.66
1	M.W.D.	9.49
1	TRANSMITTER SUB	1.51
1	FLEX MONEL	9.49
1	FLEX MONEL	9.49
1	JAR	3.90
106	3.5 DRILL PIPE	1022.55
50	3.5in HWDP	459.21
1	X.O.	.40
15	H.W.D.P.	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 TYPE	WATER BASED ☐ 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	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	MEHL	MACP
TIME / DEPTH		CLEAN TANKS		20009

DRILLING CREW PAYROLL DATA

WELL NAME & NO.		YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A		2005	9	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	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		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
18	KEVIN VANDENBRAND SHAWN WATSON

DAY TOUR

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

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO	INJURIES
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	DRIVERS
2734	

EVENING TOUR

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

EVENING TOUR FROM 1600 TO 2400

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		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2734	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

	OPS	R	M
(1.) Daily Walk Around Inspection			GP
(2.) Detailed Inspection - Weekly (Driving 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 (crew/crew/month)			GP
(2.) CAODC Rig Safet Inspection Checklist (crew/rig/month)			
(3.) Mast Inspection before Raising or Lowering			
(4.) Crown Saver Checked			GP
(5.) Motor Kds Checked			GP

YEAR 2005 MONTH 9 DAY 25
RIG NO. 58
FUEL @ 08:00 HRS
RIG 159 BOILER

WEATHER
TEMPERATURE °C
CURRENT CONDITIONS: Cloudy
WIND DIRECTION: N.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MN 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
	DC	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	DP	127	74.35	HWDP			4.5IF	17			

SPUD DATE	2005/09/12
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

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 laydown pipe	24 H2s Drill	25	26
MORN						0.25														3.0			4.75			
GAY						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					3.00	0.50	2.00	9.50	0.50	0.75	

	MORN	DAY	EVE
TOTALS	8.00	8.00	8.00
	175 TOP	175 TOP	175 TOP
	175 MIDDLE	175 MIDDLE	175 MIDDLE
	175 BOTTOM	210 BOTTOM	210 BOTTOM

SHALE SHAKER(S) RENTALS / SERVICES

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

	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	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	2733

MORNING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	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
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: 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 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	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	MSHL	MACP
TIME / DEPTH			LAYDOWN PIPE		

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 17

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

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

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	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
	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: 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	

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	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
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			SAFETY TOPIC	MSHL	MACP
TIME / DEPTH			P/U Pipe		

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 2733

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

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	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
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: 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 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
9500	127	75	152	

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			SAFETY TOPIC	MSHL	MACP
TIME / DEPTH			H2S DRILL		21016

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 2733

DRIVERS: KEVIN VANDENBRAND, SHAWN WATSON

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

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 & 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 (once/week/month)
(2_) CAODC Rig Safer Inspection Checklist (once/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 °C; CURRENT CONDITIONS: Cloudy; WIND DIRECTION: N.W.; ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m2)	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_20050925_1B
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	23	24	25	26
MORN.																							laydown pipe			
DAY						0.25														3.0			4.75			
EVE.																				3.00			4.75			
TOTAL						0.25														3.00			4.75			

TOTALS	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
																				8.00						

SHALE SHAKER(S)				RENTALS / SERVICES	MORN	DAY	EVE
NO. 1	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	17	719	
SCREENS CHANGED	NO	NEW USED		ACCUM MJ	119	887	
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 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 — 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: 17
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		ALEX MILIC			

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2733
DRIVERS: ALLAN LICKOCH; VIRGIL NANAQUAWETUNG

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: 2733
DRIVERS: KEVIN VANDENBRAND; SHAWN WATSON

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
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 | MOC | 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	

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
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

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 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)

DAY TOUR — MUD RECORD

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

MUD MATERIALS ADDED | SOLIDS CONTROL | CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM | REDUCED PUMP SPEED | DEVIATION SURVEYS | BOILERS | 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

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 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)

EVENING TOUR — MUD RECORD

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

MUD MATERIALS ADDED | SOLIDS CONTROL | CIRCULATION PRESSURE kPa | PUMP NO. 1 LINER SIZE 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM | REDUCED PUMP SPEED | DEVIATION SURVEYS | BOILERS | 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
AL IRONSIDE	GARY PATRICK (RM)

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 (Daily/weekly/monthly)
(2) CAODC Rig Safer Inspection Checklist (biweekly/month)
(3) Mast Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	DPR	R.M.
	AI	GP
	AI	GP
	AI	GP
	AI	GP
	AI	GP
		GP
		GP

YEAR	MONTH	DAY
2005	9	24

RIG NO. 58

FUEL @ 08:00 HRS: RIG 176 | BOILER

WEATHER: TEMPERATURE 5 | CURRENT CONDITIONS Cloudy | WIND DIRECTION S.E. | ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m2)	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
	DP	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

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	TOTALS
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.	DRILLS/TEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DR WORK	SAFETY MEETING	pipe rams	laydown truck				
MORN						2.5									4.0							1.5					8.00
DAY						2.75	0.25								4.75						0.25						8.00
EVE					1.5	3.0															0.25		3.25				8.00
TOTAL					1.50	8.25	0.25								8.75						0.50	1.50	3.25				24.00

SHALE SHAKER(S)						RENTALS / SERVICES	MORN	DAY	EVE
NO. 7	TYPE Derrick FLC	TYPE Derrick FLC				TOTAL MJ	17	719	
SCREENS CHANGED	NO	NEW USED				ACCUM MJ	119	887	
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	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
56	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: 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 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

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, H-5 CLEAN MUD TANKS

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

SAFETY TOPIC	MEHL	MACP
PRESSURE TESTING		10848

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

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
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 IN (m) 1743

MUD RECORD: MUD TYPE | WATER BASED | OIL BASED X

DRILLER SIGNATURE: ALLAN LICKOCH

SAFETY TOPIC	MEHL	MACP
Pressure Test		

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

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

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
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

MUD RECORD: MUD TYPE | WATER BASED | OIL BASED X

METRES DRILLED: FROM 1743.9 | TO | D-R-C | RPM | WOB

DRILLER SIGNATURE: KEVIN VANDENBRAND

SAFETY TOPIC	MEHL	MACP
LAYDOWN PIPE		

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

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 (once/week/month)
(2) CAODC Rig Safet Inspection Checklist (once/month)
(3) Mast Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	OPER	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
WEATHER TEMPERATURE -5
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 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	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
DP	127	74.35	HWDP			4.5IF	17			

SPUD DATE | TIME
RIG RELEASE | TIME
WELL TYPE DIR. | RE-ENTRY YES
OPERATOR'S AFE
KELLY BSHG 6.6 | DP 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

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 FLUID BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN.						2.5									4.0							pipe rams				
DAY																						1.5				
EVE																										
TOTAL						2.50									4.00							1.50				

TOTALS	SHALE SHAKER(S)		RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. / 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. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 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

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
65	177.8mm Casing		819.57
1	Hanger		4.07
1	Running Tool		2.49
13	SPIRAL HWDP	168	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 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 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
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	MEAS.	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 — FROM 800 TO 1600

BIT RECORD

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 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 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	MEAS.	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			

EVENING TOUR — FROM 1600 TO 2400

BIT RECORD

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 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 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	MEAS.	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			

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

	DP/R	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		
(7) Visually Inspect BOPs- Flare Lines & Degasser Lines	AI	GP
(1) Rig Site Health & Safety Meeting (bimonthly/month)		GP
(2) CAODC Rig Safet Inspection Checklist (bimonth/month)		
(3) Mast Inspection before Raising or Lowering		GP
(4) Crown Saver Checked		GP
(5) Motor Kits Checked		

YEAR 2005 | MONTH 9 | DAY 23

RIG NO. 58

FUEL @ 08:00 HRS

RIG 97 | BOILER

TEMPERATURE C

CURRENT CONDITIONS Cloudy

WIND DIRECTION N.W.

ROAD CONDITION SLIPPERY

WEATHER

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	OF 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		

PASON

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
TIMERS	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	CONO 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												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					
TOTALS												8.00									8.00					
												8.00									8.00					
												24.00														

SHALE SHAKER(S)				RENTALS / SERVICES	MORN.	DAY	EVE.
NO. 7	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: 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

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		O.D.	LENGTH
1	BIT	24	1.22
1	BIT SUB w/FLOAT	170	1.12
1	X/O SUB	171	92.53
10	SPIRAL HWDP	160	.44
1	X/O SUB	156	5.20
1	JAR	167	.50
1	X/O SUB	160	28.02
3	SPIRAL HWDP	160	159.86
17	H.W.D.P.	127	
80	D.P. STANDS		2293.64
	D.P. SINGLES		-16.77
KELLY DOWN			2566.00
TOTAL			
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)

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

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

MORNING TOUR — METRES DRILLED

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

MORNING TOUR — 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	MEH.	MACP
Run Casing		10848

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		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		-4.5
KELLY DOWN			2568.00
TOTAL			
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)

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

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 152 SPM | PUMP NO. 2 LINER SIZE 152 SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

DAY TOUR — METRES DRILLED

FROM 2568 | TO | D-R-C | RPM | WOB

DAY TOUR — 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	MEH.	MACP
Run Casing		10848

DRILLING ASSEMBLY (AT END OF TOUR)

NO.		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)

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 | 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

EVENING TOUR — METRES DRILLED

FROM 2568 | TO | D-R-C | RPM | WOB

EVENING TOUR — 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 | TIME / DEPTH

SAFETY TOPIC	MEH.	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

	OPR	M.W.
(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.) Weekly 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

FUEL @ 08:00 HRS

RIG	BOILER
97	

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)

	OD	OD/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				4.5IF	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_20050923_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	TOTALS
MORN												8.0														8.00
DAY					2.75	4.75						0.25									0.25						8.00
EVE					1.5							1.25									0.5						3.25
TOTAL					4.25	4.75						9.50									0.75						19.25

SHALE SHAKER(S)

NO.	TYPE	TYPE
2	Derrick FLC	Derrick FLC

SCREENS CHANGED ____ NEW/USED ____

	TOP	TOP	MIDDLE	MIDDLE	BOTTOM	BOTTOM
	175	175	175	175	175	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.		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		

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT SUB W/FLOAT	178	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: 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
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 | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Run Casing		10848

CREW SAFETY DAYS: 15

DRIVERS

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

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		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

DAY TOUR

MUD RECORD

MUD TYPE ____ WATER BASED ____ OIL BASED X

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

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	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: 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 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 | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Run Casing		10848

CREW SAFETY DAYS: 2731

DRIVERS

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

DAY TOUR FROM 800 TO 1600

CREW	SOC INS. NO.	NAME	HRS	YES	NO	INJURIES
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

MUD RECORD

MUD TYPE ____ WATER BASED ____ OIL BASED ____

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

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	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: 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 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
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

CREW SAFETY DAYS: 2731

DRIVERS

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO	INJURIES
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 (DPR S M)
(1) Daily Walk Around Inspection
(2) Detailed Inspection - Weekly (Using Check List)
(3) H2S Signs Posted if Required
(4) Well Licence & Blck Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Weekly 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) Motion Kills 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	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	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_20050923_1B
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

CODE NO.	1 RIG UP & 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																										
EVE																										
TOTAL												8.00														

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC / TYPE Derrick FLC	TOTAL MJ	10	187	
	SCREENS CHANGED / NEW USED	ACCUM MJ	112	356	
	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.: 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

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
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	158	.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.
SIZE
IADC CODE
MANUFACTURER
TYPE
SERIAL NO.
JETS
DEPTH OUT (m)
DEPTH IN (m)
TOTAL DRILLED (m)
TOTAL HRS RUN

CUTTING STRUCTURE

T1	T2	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			
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

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

RATE SCHEDULE | REGULAR | REPAIR | X | INVERT

CREW SAFETY DAYS: 15
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

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

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 — 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			

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

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: 2731
DRIVERS

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			

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

	GP/A	A.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		
(4) Crown Saver Checked	GP	
(5) Motor Kills Checked		

YEAR 2005 MONTH 9 DAY 22

RIG NO. 58

FUEL @ 08:00 HRS

RIG 114 BOILER

WEATHER: 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/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DRILL STRING	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	159	F-1000	EMSCO	254
DC	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
DP	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

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
TIME-HRS	R/G/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											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					

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO 2 TYPE Derrick FLC	TOTAL MJ	10	187	
8.00	SCREENS CHANGED NO	NEW/USED ACCUM MJ	112	356	
8.00	TOP 175 MIDDLE 175	ACCUM OIL LEVEL	.32		
8.00	TOP 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.		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		

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.	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			

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	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	MEAL	MACP
WIRELINE LOGS		10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 14

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

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

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

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	MEAL	MACP
Fall Protection		10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2730

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

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			

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
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
				meas = 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	MEAL	MACP
TRIPPING		10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2730

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

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	RIG
(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 (onwrig/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)

	OD / 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:

TOUR SHEET SERIAL NUM: AKTA58_20050922_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.	TYPE Derrick FLC	TYPE Derrick FLC
7		
SCREENS CHANGED		NEW / USED
TOP	175	175 TOP
MIDDLE	175	175 MIDDLE
BOTTOM	175	210 BOTTOM

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: PARAMOUNT ET AL LIARD K-29A — YEAR 2005 — MONTH 9 — DAY 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

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	.24
1	BIT SUB w/FLOAT	179	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.	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

T1	T0	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 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	

MUD RECORD

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	MEHL	MACP
WIRELINE LOGS		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:

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
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	T0	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 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	

MUD RECORD

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:

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
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	T0	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 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	

MUD RECORD

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	S.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		
(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		

YEAR 2005 | MONTH 9 | DAY 21

RIG NO. 58

FUEL @ 08:00 HRS

RIG	BOILER
127	

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
	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	DP FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050921_1D		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

CAODC

PASON

DRILLING TIME

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	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC	TOTAL MJ	5840		
8.00	SCREENS CHANGED NO NEW USED	ACCUM MJ	108	008	
8.00	TOP 175 MIDDLE 175 BOTTOM 175	ACCUM OIL LEVEL	.32		
24.00	TOP 175 MIDDLE 210 BOTTOM	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		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: 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

RATE SCHEDULE | REGULAR | REPAIR | X | INVERT

CREW SAFETY DAYS: 2729 | DRIVERS

MORNING TOUR

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	184	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	0	1	BT	TD	

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	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		SAFETY TOPIC	MEAS.	MACP
TIME / DEPTH		WIRELINE		10848

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
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	

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)	2566
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: 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		SAFETY TOPIC	MEAS.	MACP
TIME / DEPTH		Wireline		10848

EVENING 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
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.	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	3-4 daN Up & Dn
TORQUE AT BOTTOM	6500
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED X

TIME	1800
DENSITY (kg/m3)	1240
FUNNEL VISCOSITY	70
FLUID LOSS (cm3)	
pH	
PVT,m3	37

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
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
3700	152 | 0	152	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		SAFETY TOPIC	MEAS.	MACP
TIME / DEPTH		TRIPPING		10848

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	RM
(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		
(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	GP	
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR 2005 | MONTH 9 | DAY 21

RIG NO. 58

FUEL @ 08:00 HRS

RIG 127 | BOILER

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)

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_20050921_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	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	MORN	DAY	EVE
NO.	TYPE	TYPE				
2	Derrick FLC	Derrick FLC	TOTAL MJ	21	412	
SCREENS CHANGED	NO	NOW USED	ACCUM MJ	1021	69	
TOP	175	175 TOP	ACCUM OIL LEVEL	.32		
MIDDLE	175	175 MIDDLE	TOP DRIVE HRS	4.75		
BOTTOM	175	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	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		

DRILL STRING

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	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	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		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		WIRELINE		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	DRIVERS
13	

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

NOTES

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				

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			

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2729	

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

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				

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			

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2729	

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.) Meet 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)

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
DC	127	29.02	E2			4.5 IF	169	F-1000	EMSCO	254
DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
DP	127	74.35	HWDP			4.5IF	17			

SPUD DATE: TIME:

RIG RELEASE: TIME:

WELL TYPE: DIR. RE-ENTRY: YES

OPERATOR'S AFE:

KELLY BSHG: 6.6 OP FUEL:

CONTRACTOR'S JOB NUM:

TOUR SHEET SERIAL NUM: AKTA58_20050921_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						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): NO 2 TYPE Derrick FLC; TYPE Derrick FLC; SCREENS CHANGED NO; NEW / USED

TOP	TOP
175	175
MIDDLE	MIDDLE
175	175
BOTTOM	BOTTOM
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

DRILLING ASSEMBLY (AT END OF TOUR)

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
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 | 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; 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	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	MEH.	MACP
WIRELINE		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

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; 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 | MEH. | 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

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; 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 | MEH. | 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	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) Derrick 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) CADDC 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 @ 08:00 HRS
RIG 144 BOILER

WEATHER
TEMPERATURE 8
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_20050920_1C
VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CADDC — 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 BREAKDOWN 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)				RENTALS / SERVICES	MORN.	DAY	EVE.
8.00	NO. 2	TYPE 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
	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.	158	.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 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	

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

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		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: 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	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
9130	152	80	152	

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		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		Rig Service		10848

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

RATE SCHEDULE: REGULAR: REPAIR: X INVERT:
CREW SAFETY DAYS: 2728
DRIVERS:

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	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: @ @

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		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		Pipe Spinner		11034

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				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

RATE SCHEDULE: REGULAR: REPAIR: X 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

	0200	0400	0530
(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 (pre/crewmonth)			
(2) CAODC Rig Safet Inspection Checklist (pre/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 @ 0R 00 HRS

RIG 144 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)

DRILL STRING

	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	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 | QP FUEL

CONTRACTOR'S JOB NUM

TOUR SHEET SERIAL NUM AKTA58_20050920_1B

VERSION 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 DR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN		7.5								0.5																
DAY																										
EVE																										
TOTAL		7.50								0.50																

SHALE SHAKER(S) RENTALS / SERVICES

TOTALS	MORN	DAY	EVE
NO. / TYPE Derrick FLC	TYPE Derrick FLC	TOTAL MJ	18626	922	
8.00 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		
8.00 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 | 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
	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	156	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 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

T1	T2	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

	0200	0400	0530
TIME			
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			PUMP NO. 2		
	LINER SIZE	SPM		LINER SIZE	SPM
	152	80		152	

REDUCED PUMP SPEED: 2680 @ 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 | MEH. | MACP 10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 12

DRIVERS

MORNING TOUR FROM 0 TO 800 — INJURIES

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

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 | 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 | MEH. | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2728

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 | 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 | MEH. | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2728

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 (DP / 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/crewmonth)
(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
TEMPERATURE 9
WEATHER
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_20050919_1D
VERSION SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CAODC — PASON

CODE NO.	1 RIG UP & TEAR DOWN	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		7.25								0.5											0.25					
EVE		7.25					0.25			0.25											0.25					
TOTAL		22.00					0.50			1.00											0.50					

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2 TYPE Derrick FLC	TOTAL MJ	18626	922	
8.00	SCREENS CHANGED	NEW / USED	ACCUM MJ	99383	66
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	

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 — 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

RATE SCHEDULE | REGULAR | REPAIR X | INVERT
CREW SAFETY DAYS: 11 | DRIVERS

DAY TOUR — FROM 800 TO 1600 — 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		DAVID FRANKLIN	12		DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT
CREW SAFETY DAYS: 2727 | DRIVERS

EVENING TOUR — FROM 1600 TO 2400 — INJURIES

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: 2727 | 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
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)	

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
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
2502.60	2513	D	30	17
			0	13

CIRCULATION PRESSURE kPa: 7400 | PUMP NO. 1 LINER SIZE: 152 | SPM: 80 | PUMP NO. 2 LINER SIZE: 152 | SPM:

REDUCED PUMP SPEED: 4480 @ 50 @ 2486

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2489.72	37.7	336.4

DRILLER SIGNATURE: MARK ZAHODA

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	MEH.	MACP
FALL PROTECTION		10848

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
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 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)	2526.5
DEPTH IN (m)	2468.75
TOTAL DRILLED (m)	57.75
TOTAL HRS RUN	30

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG	5-10 ON 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
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
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

CIRCULATION PRESSURE kPa: 9450 | PUMP NO. 1 LINER SIZE: 152 | SPM: 80 | PUMP NO. 2 LINER SIZE: 152 | SPM:

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

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	MEH.	MACP
CHIPPING PAINT		10666

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
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 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)	2540
DEPTH IN (m)	2468.75
TOTAL DRILLED (m)	71.25
TOTAL HRS RUN	37.25

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	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
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
2526.5	2531.5	D	0	22
2531.5	2533.90	D	30	14
2533.90	2540	D	0	22.5

CIRCULATION PRESSURE kPa: 7300 | PUMP NO. 1 LINER SIZE: 152 | SPM: 80 | PUMP NO. 2 LINER SIZE: 152 | SPM:

REDUCED PUMP SPEED: 2880 @ 40 @ 2525

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2517.90	41.8	331.1

DRILLER SIGNATURE:

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	MEH.	MACP
FALL PROTECTION		10666

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

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

CIRCULATION	DAILY	CUM.
MUD		
WATER		

YEAR 2005 MONTH 9 DAY 19
RIG NO. 58
FUEL @ 08:00 HRS
RIG 165 BOILER

WEATHER
TEMPERATURE: 8
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.	RIG 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-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

	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		7.5					0.25			0.25																
DAY																										
EVE																										
TOTAL		7.50					0.25			0.25																

SHALE SHAKER(S)

NO	TYPE	TYPE
2	Derrick FLC	Derrick FLC
SCREENS CHANGED		NEWLY USED
TOP	175	175
MIDDLE	175	175
BOTTOM	175	210

TOTALS	MORN	DAY	EVE
	8.00		
	8.00		

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	18162	922	
ACCUM MJ	98919	66	
ACCUM OIL LEVEL	32		
TOP DRIVE HRS	5.0		
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

DRILLING ASSEMBLY (AT END OF TOUR)

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	156	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
	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
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

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	MEHL	MACP
FALL PROTECTION		10848

RATE SCHEDULE | REGULAR | REPAIR | X | INVERT

CREW SAFETY DAYS: 11

DRIVERS

MORNING TOUR — CREW

FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	YES	NO	INJURIES
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

DRILLING ASSEMBLY (AT END OF 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 | 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

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 — CREW

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		JASON SMITH				
LEASE HAND		DAVID FRANKLIN				

DRILLING ASSEMBLY (AT END OF 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 | 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

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 — CREW

FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO	INJURIES
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
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 & Sick Diagram Posted		
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Weekly Inspect BOPs, Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (crab/crewmonth)		
(2.) CAODC Rig Safet Inspection Checklist (crew/qtr/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 +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 | DP FUEL

CONTRACTOR'S JOB NUM.

TOUR SHEET SERIAL NUM AKTA58_20050918_1B

VENDOR SOFTWARE VERSION EDR_3-1-4_HP2 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			3.5	0.25													0.25						
DAY																										
EVE																										
TOTAL		0.75	0.25			3.50	0.25													0.25						

SHALE SHAKER(S)

NO.	TYPE	SCREENS CHANGED	NEW	USED
2	Derrick FLC			
5.00	Derrick FLC			

	TOP	MIDDLE	BOTTOM
	175	175	210
5.00	175	175	210

RENTALS / SERVICES

	MORN	DAY	EVE
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

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

RATE SCHEDULE | REGULAR | REPAIR | X | INVERT

CREW SAFETY DAYS 10 | 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			

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			

RATE SCHEDULE | REGULAR | REPAIR | X | INVERT

CREW SAFETY DAYS 2726 | DRIVERS

MORNING TOUR

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	159	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

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	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
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
7200	152		152	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	MEH.	MACP
R.I.H W/ T.D		11213

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 HRS RUN 0 | 2 HRS RUN 0 | 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 | MEH. | 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 HRS RUN 0 | 2 HRS RUN 0 | 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 | MEH. | 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

	DP	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.) Fibre Lines Stated		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs- Fibre Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (bie/crew/month)		
(2.) CAODC Rig Safet inspection Checklist (once/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/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DRILL STRING	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 DF FUEL:

CONTRACTOR'S JOB NUM:

TOUR SHEET SERIAL NUM: AKTA58_20050918_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.		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 SCREENS 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

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
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.	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	To	MOC	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

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	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
7200	152		152	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	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		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH		R.I.H W/ T.D		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	INJURIES
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 X

TIME	800	1200	1600
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
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
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

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

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		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH		LOADER OPERATION		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	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		DAVID FRANKLIN	12			DF

EVENING TOUR — MUD RECORD

MUD TYPE: ☐ WATER BASED ☐ OIL BASED

TIME	1700	1930	2300
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
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
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

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

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		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH		LOADER OPERATIONS		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	INJURIES
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

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		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.	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)	2502.60
DEPTH IN (m)	2468.75
TOTAL DRILLED (m)	33.85
TOTAL HRS RUN	15.25

CUTTING STRUCTURE

TI	To	MOC	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)	

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.) Meet Inspection before Hoisting 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..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		4.5	IF	170	F-1000	EMSCO	254
		127	74.35	HWDP		4.5	IF	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

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
TIME - HRS	R/GUP & 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		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					

TOTALS	SHALE SHAKER(S)				RENTALS / SERVICES	MORN	DAY	EVE
8.00	NO. 2	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	14926	922	
8.00	SCREENS CHANGED NO		NEW USED		ACCUM MJ	95683	66	
8.00	TOP 175	MIDDLE 175	TOP		ACCUM OIL LEVEL	.32		
8.00	MIDDLE 175		MIDDLE		TOP DRIVE HRS	11.25		
24.00	BOTTOM 175	BOTTOM 210	BOTTOM		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 NG | RIG SAFETY DAYS 2725

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	8.37	.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		-2.5
	TOTAL		2446.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

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

T1	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

TIME	0200	0400	0600
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
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: 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

MORNING TOUR — METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2428	2446	D	30	16
			0	24

MORNING TOUR — 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		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH		bids w/o hnd rails		10848

MORNING TOUR — CREW

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

MORNING TOUR FROM 0 TO 800 — INJURIES

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 9 | DRIVERS

DAY TOUR — BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	8.37	.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	

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

T1	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

TIME	800	1000	1400
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
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: 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

DAY TOUR — 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

DAY TOUR — 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/ds - 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		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH		RIG SERVICE		11031

DAY TOUR — CREW

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

DAY TOUR FROM 800 TO 1600 — INJURIES

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2725 | DRIVERS

EVENING TOUR — BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	8.37	.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		-8.3
	TOTAL		2468.75
	WT. OF D.C.	14	
	WT. OF STRING	82	

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

T1	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

TIME	1800	2000	
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
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

EVENING TOUR — 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

EVENING TOUR — 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 @ 2451.41 M 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		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH		P.O.O.H		11213

EVENING TOUR — CREW

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

EVENING TOUR FROM 1600 TO 2400 — INJURIES

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

	DP	P.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 (pre/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

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)

Rig Systems

	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_20050917_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 DLV 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	24	25	26
TIME MORN		4.75								0.5																
DAY																										
EVE																										
TOTAL HRS		4.75								0.50																

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN.	DAY	EVE
5.25	NO. 1 TYPE Derrick FLC / NO. 2 TYPE Derrick FLC	TOTAL MJ	13570	922	
	SCREENS CHANGED / NEW / USED	ACCUM MJ	54327	66	
175	TOP 175 / TOP 175	ACCUM OIL LEVEL	.32		
175	MIDDLE 175 / MIDDLE 175	TOP DRIVE HRS	14		
5.25	BOTTOM 175 / BOTTOM 210	TOTAL TOP DRIVE HRS	14089		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	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	

BIT RECORD

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
	D.P. STANDS		2123.16
74	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

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		0200	0400
DENSITY (kg/m3)		1240	1240
FUNNEL VISCOSITY		63	64
FLUID LOSS (cm3)			
pH			
PVT		36.5	36.3

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-

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
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

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	MEH.	MACP
bldg w/o hnd rails		10848

RATE SCHEDULE | REGULAR | REPAIR | X | INVERT

CREW SAFETY DAYS 9

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			

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800				

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

NOTES

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC	MEH.	MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS 2725

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			

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1600				

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

NOTES

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC	MEH.	MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS 2725

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.) Derrick 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 (once/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

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	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	169	F-1000	EMSCO	254
	DP	127	38.10	E3			4.5IF	170	F-1000	EMSCO	254
	DP	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_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 SCREENS CHANGED	TOTAL MJ	13570	922	
8.00	TOP 175 MIDDLE 175 BOTTOM 210	ACCUM MJ	94327	66	
8.00		ACCUM OIL LEVEL	.32		
24.00		TOP DRIVE HRS	14		
		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

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
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	OOC	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	

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2367	2387	D	30	18
			0	24

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	MEHL	MACP
SLINGS		11031

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 8

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

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
12	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	OOC	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	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
8215	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

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

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/cls - 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	MEHL	MACP
FALL ARREST		11031

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2724

DRIVERS

DAY TOUR — FROM 800 TO 1600 — 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		DAVID FRANKLIN	12		DF

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.27
1	MOTOR	156	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	OOC	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	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
7170	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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2406	2427	D	30	16

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 & SEC.C/O & 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	MEHL	MACP
CLIMBING DERRICK		10848

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2724

DRIVERS

EVENING TOUR — FROM 1600 TO 2400 — INJURIES

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 (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 (oral/review/mth)
(2.) CAODC Rig Safet Inspection Checklist (review/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

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 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
	127	74.35	HWDP			4.5IF	17

PUMPS

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

WEATHER
TEMPERATURE: 9
CURRENT CONDITIONS: CLEAR
WIND DIRECTION: N.E.
ROAD CONDITION: ROUGH

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_20050916_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.		7.5								0.5																
DAY																										
EVE																										
TOTAL		7.50								0.50																

SHALE SHAKER(S) RENTALS / SERVICES

	NO	TYPE	TYPE		MORN	DAY	EVE
TOTALS	2	Derrick FLC	Derrick FLC	TOTAL MJ	13326	922	
8.00	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		YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A		2005	9	16
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	2724		

BIT RECORD

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	189	9.50
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	159.66
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	T2	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

MORNING TOUR

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	

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2367	2387	D	30	18
			0	24

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		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		SLINGS		11031

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
8	

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	YES	NO	INJURIES
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
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

NOTES

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2724	

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		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
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

NOTES

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				

RATE SCHEDULE		REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
2724	

EVENING TOUR FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO	INJURIES
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: **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 & 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 Safe! 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
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 SIZE	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

SHALE SHAKER(S)
NO 2 | TYPE: Derrick FLC | TYPE: Derrick FLC
SCREENS CHANGED | NEW | USED

	TOP	TOP	MIDDLE	MIDDLE	BOTTOM	BOTTOM
8.00	175	175				
8.00	175	175				
8.00	175	175				
24.00	175	210				

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	13326	922	
ACCUM MJ	94082	66	
ACCUM OIL LEVEL	32		
TOP DRIVE HRS	4		
TOTAL TOP DRIVE HRS	140.75		

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

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 DR. WORK | 21 SAFETY MEETING | 22 | 23 | 24 | 25 | 26

TOURS	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	DR. WORK	SAFETY MEETING				
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				

MORNING TOUR

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	189	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	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 @ 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	0	20
			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	MEHL	MACP
stand connections		11031

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 7

DRIVERS

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 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

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	189	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	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 @ 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	MEHL	MACP
B.O.P DRILL		11217

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2723

DRIVERS

DAY TOUR FROM 800 TO 1600 — 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		DAVID FRANKLIN	12		DF

EVENING TOUR

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	189	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
9	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 t	15.9 15.9 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	8	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	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 @ 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	MEHL	MACP
OPERATE PIPE SPINNER		11395

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2723

DRIVERS

EVENING TOUR FROM 1600 TO 2400 — INJURIES

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

	O	P	A	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) Weekly 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.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
DC	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	AKTAS8_20050915_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 DR. 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																

SHALE SHAKER(S)

NO.	TYPE	TYPE	TYPE
2	Derrick FLC	Derrick FLC	
SCREENS CHANGED		NEW/USED	
TOP	175	TOP	175
MIDDLE	175	MIDDLE	175
BOTTOM	175	BOTTOM	210

RENTALS / SERVICES

	MORN	DAY	EVE
TOTALS			
8.00			
8.00			
TOTAL MJ	9319	922	
ACCUM MJ	90075	66	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	10.5		
TOTAL TOP DRIVE HRS	136.75		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	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	

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: 7 | 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: 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			

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 2723 | DRIVERS

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
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
	D.P. STANDS		2094.49
	D.P. SINGLES		
	KELLY DOWN		91
	TOTAL		2363.00
	WT. OF D.C.	14	
	WT. OF STRING	82	

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)	

MORNING TOUR — MUD RECORD

MUD TYPE | WATER BASED ☐ | OIL BASED X

	0200	0400	0600
TIME			
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	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2350	2363	D	0	20
			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	MEAS.	MACP
stand connections		11031

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

NOTES

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEAS.	MACP

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

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	MEAS.	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/tour/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

YEAR 2005 | MONTH 9 | DAY 14
RIG NO. 58
FUEL @ 08.00 HRS
RIG 168 | 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	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	DP FUEL	
CONTRACTOR'S JOB NUM			
YOUR SHEET SERIAL NUM	AKTA58_20050914_1D		
VENDOR SOFTWARE VERSION	EDR 3-1-4 HF2 ETS 2.2		

CADOC — PASON

CODE NO. 1 RIG/UP & TEARDOWN | 2 DRILL ACTUAL | 3 REAMING | 4 CORING | 5 COND MUD & CIRC | 6 TRIPS | 7 RIG SERVICE | 8 REPAIR RIG | 9 CUT OF F 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) NO	TYPE (Derrick FLC)	TYPE (Derrick FLC)
	SCREENS CHANGED	NEW / USED	
8.00	TOP 175	TOP 175	
8.00	MIDDLE 175	MIDDLE 175	
24.00	BOTTOM 175	BOTTOM 210	

RENTALS / SERVICES	MORN	DAY	EVE
TOTAL MJ	9319	922	
ACCUM MJ	90075	66	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	10.5		
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)	O.D.	LENGTH
1	BIT	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: T1 | 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 | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
W/MUDDY LEASE		11213

RATE SCHEDULE | REGULAR . | REPAIR X | INVERT

CREW SAFETY DAYS: 6 | 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)	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
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: T1 | 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 X

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 | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
JSA PROCEDURES		11217

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2722 | 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)	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
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: T1 | 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 X

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 | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
RIG SERVICE DRAWWORK		11031

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2722 | DRIVERS

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 (OPS | 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 (once/week/month.)
(2.) CAODC Rig Safet Inspection Checklist (once/quarter/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: 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)
DP	127	29.02	E2			169			
DP	127	38.10	E3			170			
	127	74.35	HWDP			17			

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DP	127	29.02	E2			4.5IF	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
VERSION SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

TIME - HRS

CODE NO.	1 RIG UP & 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																			

SHALE SHAKER(S)

NO.	TYPE	TYPE	TYPE
2	Derrick FLC	Derrick FLC	
8.00	SCREENS CHANGED	NEW / USED	
	TOP 175	TOP 175	
	MIDDLE 175	MIDDLE 175	
8.00	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 ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT	.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
12	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

T1	T0	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN mHR

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			
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			
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

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	MEH.	MACP
W/MUDDY LEASE		11213

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS | DRIVERS

6

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

NOTES

SPECIAL EVENT
TIME / DEPTH

SAFETY TOPIC	MEH.	MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS | DRIVERS

33

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

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

2722

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 — 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 FROM 800 TO 1600 — 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			

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			

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

(1) Daily Work 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 (bris/crew/month)
(2) CADOC Rig Safet Inspection Checklist (onwing/month)
(3) Meet Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	OPER	R.M.
1		
2		
3		
4		
5		
6		
7		

YEAR 2005 MONTH 9 DAY 13

RIG NO. 58

FUEL @ 08:00 HRS: RIG 110 | 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 SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	127	29.02	E2			4.5IF	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

YOUR SHEET SERIAL NUM: AKTA58_20050913_1B

VENDOR SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CADOC

PASON

TIMINGS

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	24	25	26
MORN					1.0	1.0																6.0			
DAY						7.25	0.25																		
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		8.00			

TOTALS

NO.	TYPE	SCREENS CHANGED	NEW/USED	TOP	MIDDLE	BOTTOM
2	Derrick FLC	NO		175	175	175
1	Derrick FLC			175	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.: PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 13

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 2721

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

HOLE CONDITION

HOLE DRAG: 2-3 up 2dn sliding

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)	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

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 152, SPM 75 — 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
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	MEM.	MACP
Driving Loader		11217

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 5 | DRIVERS

MORNING TOUR — CREW (FROM 0 TO 800) — INJURIES

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

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT		.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
1	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	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: 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			
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

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 152, SPM

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

REVEIW 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	MEM.	MACP
USED OIL + FILTERS		11217

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 32 | DRIVERS

DAY TOUR — CREW (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

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT		.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
1	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: T1 | 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	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

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 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
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	MEM.	MACP
MIXING MUD		11217

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 2721 | DRIVERS

EVENING TOUR — CREW (FROM 1600 TO 2400) — 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

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

	DP	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 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)	MN.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	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
VERSION 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 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																			
TOTAL					11.00	7.25	0.25													1.25	0.25		2.0			
																				1.25	0.25	2.00	2.00			

SHALE SHAKER(S)

NO.	TYPE Derrick FLC	TYPE Derrick FLC	RENTALS / SERVICES	MORN	DAY	EVE
2			TOTAL MJ	86	113	
SCREENS CHANGED	NO	NEW USED	ACCUM MJ	53	56	
TOP	175	TOP	ACCUM OIL LEVEL	.32		
MIDDLE	175	MIDDLE	TOP DRIVE HRS	23.5		
BOTTOM	175	BOTTOM	TOTAL TOP DRIVE HRS	126.25		

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	159.66
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-S206DXS
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

T1	T0	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

MORNING TOUR

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

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

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	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

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	MEH.	MACP
Mix Mud		11217

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 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

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	159.66
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

T1	T0	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)

DAY TOUR

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

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

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
7100	152	80	152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE MARK ZAHODA

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	MEH.	MACP
P.O.O.H		

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

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	156	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

T1	T0	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	2200	2400
DENSITY (kg/m3)	1220	1225
FUNNEL VISCOSITY	58	60
FLUID LOSS (cm3)		
pH		
pvt	35.7	34.7

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

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
8200	152	75	152	

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE ALLAN LICKOCH

NOTES CHECK CROWN SAVER,DEADMAN,FASTLINE 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	MEH.	MACP
R.I.H W/T.D		11217

EVENING TOUR FROM 1600 TO 2400 INJURIES

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

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS 4 | DRIVERS

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: **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 (daily/crew/month)
(2.) CAODC Rig Safet Inspection Checklist (crew/rig/month)
(3.) Mast inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

	D/P	R.M.
MP	DL	
MP	DL	
MP	DL	
MP	DL	
MP	DL	
MP	DL	

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: DAVE LAUCK

DAILY CHECKS

	OPR	R.M.
(1) Daily Walk Around Inspection.	MP	DL
(2) Detailed Inspection - Weekly (Using Check List)		
(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 (once/week/month)		
(2) CAODC Rig Safet Inspection Checklist (once/q/month)		
(3) Meet Inspection before Raising or Lowering		
(4) Crown Saver Checked		DL
(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)

	OD / DP SIZE	MASS	GRADE	MIN 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_20050910_1F | 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 Drill Cement	24	25	26	TOTALS
MORN					1.0	4.5																					
DAY					3.5	2.75	0.25					1.25									0.25		2.5				8.00
EVE					1.0	5.5	0.25					1.0									0.25						8.00
TOTAL					5.50	12.75	0.50					2.25									0.50		2.50				24.00

SHALE SHAKER(S)

NO	TYPE	SCREENS CHANGED	TOP	MIDDLE	BOTTOM
2	Derrick FLC	NO	175	175	175
	TYPE Derrick FLC	NEW USED	TOP 175	MIDDLE 175	BOTTOM 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 — 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		JONATHAN GREEN	8			JG
LEASE HAND		BRIAN JULIAN	8			BJ

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

CREW SAFETY DAYS: 2 | 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: 29 | 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

RATE SCHEDULE | REGULAR | | REPAIR | X | INVERT

CREW SAFETY DAYS: 2 | DRIVERS

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT	216	.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.	GA
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 | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG: 4up 2dn Rotating | 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 | 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		152	85

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: ALLAN LICKOCH

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2344	2375	D	25	4

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 Dril Floor Tripping
D-5 Pull Out Of Hole

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
JSA Procedures & Rev		11578

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
2	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 | 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

	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 | 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

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	MEHL	MACP
JSA PROCEDURES		11578

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT	216	.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 | 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
	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
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	MEHL	MACP
RUN CEMENT PLUGS		11578

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 (OPER. M / MP / DL)

(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.) Weil Licence & Slick Diagram Posted — MP DL
(5.) Flare Lines Staked — MP DL
(6.) BOP Drills Performed — MP DL
(7.) Weekly Inspect BOPs, Flare Lines & Degasser Lines — MP DL

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

	OC / DP	OC / 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		

CAODC

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	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	TOTALS
MORN																						8.00					8.00
DAY						5.25	0.5													1.0		0.5	0.75				8.00
EVE					1.5	3.75	0.25													0.25	0.25			2.0			8.00
TOTAL					1.50	9.00	0.75													1.25	0.25	8.50	0.75	2.00			24.00

SHALE SHAKER(S): NO. 1 | TYPE Derrick FLC | NO. 2 | TYPE 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	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.		YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A		2005	9	9
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	2717		

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT	27	.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
2	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	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2318	2322	D	80	2

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

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 | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Mix Mud		12129

CREW SAFETY DAYS: 1

DRIVERS

TOUR	CREW	SOC INS. NO.	NAME	HRS		YES	NO
MORNING TOUR FROM 0 TO 800	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

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	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2322	2322.72	D		12

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

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 | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
TRIPPING		12129

CREW SAFETY DAYS: 28

DRIVERS

TOUR	CREW	SOC INS. NO.	NAME	HRS		YES	NO
DAY TOUR FROM 800 TO 1600	DRILLER		MARK ZAHODA	12			M2
	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

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	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2322.7	2344	D	25	4

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

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 | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Tripping		11578

CREW SAFETY DAYS: 1

DRIVERS

TOUR	CREW	SOC INS. NO.	NAME	HRS		YES	NO
EVENING TOUR FROM 1600 TO 2400	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

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
1	BIT	24	.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
2	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		

BIT RECORD

	5A	6A
BIT NO.	5A	6A
SIZE	216	216
IADC CODE		5 1 7
MANUFACTURER	Halliburto	HUGHES
TYPE	TB26ST	MX-S206DX
SERIAL NO.	6034568	6034418
JETS		11.9 11.9 11.9
DEPTH OUT (m)	2322.7	2344
DEPTH IN (m)	2317.47	2322.7
TOTAL DRILLED (m)	5.23	21.30
TOTAL HRS RUN	8.5	2.0

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

HOLE CONDITION

HOLE DRAG	20-45 DANS @ 2315M
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

HOLE CONDITION

HOLE DRAG	12 up 7dn
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

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
DAVE LAUCK

DAILY CHECKS

	OPER'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 & Sick Diagram Posted	MP	DL
(5.) Flare Lines Staked	MP	DL
(6.) BOP Drills Performed	MP	DL
(7.) Weekly Inspect BOPs, Flare Lines & Degasser Lines	MP	DL
(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		DL
(5.) Motor Kills Checked		

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	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	DF 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

TIME-HRS	CODE NO. 1 NIGUP & 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																				8.00
TOTAL		10.75			2.00	9.50	0.50													0.75	0.25					24.00

SHALE SHAKER(S)

NO.	TYPE		TYPE	
2	Derrick FLC		Derrick FLC	
SCREENS CHANGED	NO	NEW USED		
TOP	175	TOP	175	
MIDDLE	175	MIDDLE	175	
BOTTOM	175	BOTTOM	175	

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	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

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 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 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

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
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

T1	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

MUD RECORD — MORNING TOUR — 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	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
6400	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
2307	2309	D	80	.5

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 Stamp

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Tripping		12490

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
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			-17.90
TOTAL			2317.47
WT. OF D.C.			
WT. OF STRING	80		

BIT RECORD

BIT NO.	4 A
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	10.5

CUTTING STRUCTURE

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	1-5
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD — DAY TOUR — 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	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
6400	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
2309	2317.47	D	0	2

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	MEHL	MACP
BOP DRILL		

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
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	Haliburto
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

T1	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

MUD RECORD — EVENING TOUR — 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	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	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
2317.47	2318	D	80	2.5

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	MEHL	MACP
Tripping		12490

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

	DFR	S.M
(1) Daily Walk Around Inspection	MP	DL
(2) Detailed Inspection - Weekly (Using Check List)		
(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 (one/crew/month)		
(2) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3) Mast Inspection before Raising or Lowering		
(4) Crown Saver Checked		DL
(5) Motor Kills Checked		

YEAR 2005 MONTH 9 DAY 7

RIG NO. 58

FUEL @ 08.00 HRS

RIG 168 BOILER

WEATHER: TEMPERATURE 9; CURRENT CONDITIONS CLEAR; WIND DIRECTION N.E.; ROAD CONDITION ROUGH

LAST CASING TUBING OR LINER

	DC/DP	SIZE	MASS	GRADE	MIN 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

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: AKTAS8_20050907_1E

VERSION SOFTWARE VERSION: EDR_3-1-4_HF2 ETS 2.2

CAODC

PASON

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
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	Drill Cement				
MORN						7.0	0.25		0.75																	
DAY					4.0	1.5	0.25															2.25				
EVE					0.75	5.5	0.25																			
TOTAL					4.75	14.00	0.75		0.75											1.25	0.25					
TOTALS																				1.25	0.25	2.25				

SHALE SHAKER(S)

NO.	TYPE	SCREENS CHANGED	TOP	MIDDLE	BOTTOM
1	Derrick FLC	NO	175	175	175
2	Derrick FLC	NEW USED	175	175	175

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	64	949	
ACCUM MJ	36	31	
ACCUM OIL LEVEL	.32		
TOP DRIVE HRS	4		
TOTAL TOP DRIVE HRS	63.5		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: PARAMOUNT ET AL LIARD K-29A — YEAR 2005 — MONTH 9 — DAY 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

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	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: 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

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
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 / TIME / DEPTH | SAFETY TOPIC: Tripping | MEHL | MACP: 13588

RATE SCHEDULE | REGULAR | REPAIR | X | INVERT

CREW SAFETY DAYS | 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		JONATHAN GREEN	8			JG
LEASE HAND		BRIAN JULIAN	8			BJ

INJURIES

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	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
71	D.P. STANDS		2037.22
3	D.P. SINGLES		19.57
	KELLY DOWN		
	TOTAL		2290.00
	WT. OF D.C.		
	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)	
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: 1-3 dans

TORQUE AT BOTTOM: 7

FILL ON BOTTOM (m)

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

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

CIRCULATION PRESSURE kPa: 4500 | PUMP NO. 1: LINER SIZE 152, SPM 80 | PUMP NO. 2: LINER SIZE 152, SPM

REDUCED PUMP SPEED: 1500 @ 40 @ 2247

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION — 0

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 fr 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 wit.d greased crown and blocks

SPECIAL EVENT / TIME / DEPTH | SAFETY TOPIC: r.i.h | MEHL | MACP

RATE SCHEDULE | REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 26 | 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

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
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: T1 | 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 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
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 Worklnk @ Heights

SPECIAL EVENT / TIME / DEPTH | SAFETY TOPIC: P.O.O.H | MEHL | MACP: 13588

RATE SCHEDULE | REGULAR | REPAIR | X | INVERT

CREW SAFETY DAYS | DRIVERS

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		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	A.M	P.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 & Slick 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)		GP	
(3.) Meet Inspection before Raising or Lowering			
(4.) Crown Saver Checked		GP	
(5.) Motor Kills Checked			

YEAR 2005 | MONTH 9 | DAY 6

RIG NO. 58 | FUEL @ 05:00 HRS | RIG 115 | BOILER

WEATHER: 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	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_20050906_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						6.0																				
DAY					1.25	3.75	0.25	1.5											2.0							
EVE					2.75	1.5	0.5										3.0		1.0		0.25					
TOTAL					4.00	11.25	0.75	1.50									3.00		3.00		0.50					

TOTALS	SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE
	NO 1 TYPE Derrick FLC / NO 2 TYPE Derrick FLC	TOTAL MJ	60	281	
8.00	SCREENS CHANGED NO / NEW USED	ACCUM MJ	18	884	
8.00	TOP 175 / TOP 175	ACCUM OIL LEVEL	.32		
8.00	MIDDLE 175 / MIDDLE 175	TOP DRIVE HRS	4		
24.00	BOTTOM 175 / BOTTOM 175	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

MORNING TOUR — FROM 0 TO 800

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		DAVID FRANKLIN	10			DF

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	INJURIES
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

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 25 | DRIVERS:

EVENING TOUR — FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO	INJURIES
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: 25 | DRIVERS: KEVIN VANDENBRAND

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	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 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			
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
3470	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-5 P.O.O.H

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
TRIPPING		13678

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
84	D.P.	STANDS	
2	D.P.	SINGLES	2427.36
KELLY DOWN			
TOTAL			2427.36
WT. OF D.C.			
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 | FILL ON BOTTOM (m)

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
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
2200	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 | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
Tripping		13588

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
84	D.P.	STANDS	
2	D.P.	SINGLES	2427.36
KELLY DOWN			
TOTAL			2427.36
WT. OF D.C.			
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 | FILL ON BOTTOM (m)

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
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

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 | TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
p.o.o.h		

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

	AM	PM
(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) Fibre Lines Staked	MP	GP
(6) BOP Drills Performed	MP	GP
(7) Visually Inspect BOPs- Fibre 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 5

RIG NO 58

FUEL @ 05:00 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 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	155
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 | CONTRACTORS JOB NUM | TOUR SHEET SERIAL NUM AKTA58_20050905_1D | 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 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.	TYPE	TYPE
2	Derrick FLC	Derrick FLC
SCREENS CHANGED	NO	NEW / USED
TOP	175	TOP 175
MIDDLE	175	MIDDLE 175
BOTTOM	175	BOTTOM 175

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. PARAMOUNT ET AL LIARD K-29A | YEAR 2005 | MONTH 9 | DAY 5

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 2713

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		JASON SMITH	8			JS
LEASE HAND		DAVID FRANKLIN	8			DF

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 24 | DRIVERS: KEVIN VANDENBRAND

DAY TOUR

FROM 800 TO 1600

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 | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 24 | DRIVERS: ALLAN LICKOCH

EVENING TOUR

FROM 1600 TO 2400

CREW	SOC INS. NO.	NAME	HRS		INJURIES 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: 24 | DRIVERS: KEVIN VANDENBRAND

MORNING TOUR

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		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

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

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: KEVIN VANDENBRAND

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 | TIME / DEPTH | SAFETY TOPIC: STRINGSHOT | MEHL | MACP 13679

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	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			
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

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: 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	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 | TIME / DEPTH | SAFETY TOPIC: BOP Drill | MEHL | MACP 13679

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	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

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa 3500 | 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

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 | TIME / DEPTH | SAFETY TOPIC: TRIPPING | MEHL | MACP 13679

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

	DP'S	M 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) Monthly Inspect BOPs- Flare Lines & Degasser Lines	MP	GP
(1) Rig Site Health & Safety Meeting (once/month)		GP
(2) CAODC Rig Safet Inspection Checklist (once/month)		
(3) Mast Inspection before Raising or Lowering		
(4) Crown Saver Checked		GP
(5) Motor Kits 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/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

	OD/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_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
MORN					1.0	4.5													2.25		0.25					
DAY					0.75	4.5	0.25												2.25		0.25					
EVE																			7.5		0.5					
TOTAL					1.75	9.00	0.25												12.00		1.00					

SHALE SHAKER(S)

NO. 2	TYPE Derrick FLC	TYPE Derrick FLC
8.00	SCREENS CHANGED NO	NEW/USED
8.00	TOP 175	TOP 175
8.00	MIDDLE 175	MIDDLE 175
24.00	BOTTOM 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.	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	76		

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 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	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
3166	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	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	DRIVERS
23	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.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
1	SCREW IN SUB		1.01
1	Huwit 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

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 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	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: 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 Use/D-10 Operate Pipe Spinner

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Tripping		13679

RATE SCHEDULE	REGULAR	REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
23	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.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
1	SCREW IN SUB		1.01
1	Huwit 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

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 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	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
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	DRIVERS
23	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)		
(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) Weekly Inspect BOPs- Flare Lines & Degasser Lines	MP	GP
(1) Rig Site Health & Safety Meeting (once/crew/month)		GP
(2) CAODC Rig Safet Inspection Checklist (once/rig/month)		
(3) Mast Inspection before Raising or Lowering		
(4) Crown Saver Checked		GP
(5) Motor Kills Checked		

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)	MN.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	DP 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 Over	23 Handle Tools	24 choke	25	26
TIME-HRS MORN						5.75			1.0										1.25							
DAY					0.75	2.25	0.25												3.75		0.25	0.75				
EVE					0.5	5.25	0.25														0.25		1.5	0.25		
TOTAL					1.25	13.25	0.50		1.00										5.00		0.50	0.75	1.50	0.25		

TOTALS	MORN	DAY	EVE
		8.00	
		8.00	
		8.00	
		24.00	

SHALE SHAKER(S): NO 2; TYPE Derrick FLC; SCREENS CHANGED NO; TYPE Derrick FLC; 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.	YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A	2005	9	3

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	2711

MORNING TOUR FROM 0 TO 800

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: T1 | T8 | 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

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
1520				

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

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	MEHL	MACP
SLIP & CUT		15503

RATE SCHEDULE	REGULAR	REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
22	

MORNING TOUR — 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 FROM 800 TO 1600

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: T1 | T8 | 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 | 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	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 @ 5stds/35stds.)

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	MEHL	MACP
Fishing		14499

RATE SCHEDULE	REGULAR	REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
22	

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

EVENING TOUR FROM 1600 TO 2400

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
76	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 | T8 | 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 | 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: KEVIN VANDENBRAND

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	MEHL	MACP
Pick up Washover		14499

RATE SCHEDULE	REGULAR	REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
22	

EVENING TOUR — 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

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

	OK	M	R
(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) Weekly Inspect BOPs- Flare Lines & Degasser Lines	MP		GP
(1) Rig Site Health & Safety Meeting (bi-weekly/month)			GP
(2) CAODC Rig Safet Inspection Checklist (bi-weekly/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

WEATHER

TEMPERATURE ?

CURRENT CONDITIONS RAINING

WIND DIRECTION S.E.

ROAD CONDITION SLIPPERY

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)

DO / 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 FULL:	
CONTRACTOR'S JOB NUM:			
TOUR SHEET SERIAL NUM:	AKTA58_20050902_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 light 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)		RENTALS / SERVICES	MORN	DAY	EVE
NO. 2	TYPE Derrick FLC	TOTAL MJ	39	278	
SCREENS CHANGED	NO	ACCUM MJ	18	566	
NEW USED	TYPE Derrick FLC	ACCUM OIL LEVEL	.32		
TOP 175	TOP 175	TOP DRIVE HRS	0		
MIDDLE 175	MIDDLE 175	TOTAL TOP DRIVE HRS	53.5		
BOTTOM 175	BOTTOM 175				

DRILLING CREW PAYROLL DATA

WELL NAME & NO.		YEAR	MONTH	DAY
PARAMOUNT ET AL LIARD K-29A		2005	9	2
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	2710		

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: 21

DRIVERS

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

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 21

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: 21

DRIVERS

MORNING TOUR

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
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	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	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 | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
WORK ON MUDDY LEASE		15503

DAY TOUR

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
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	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
2520				

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 Wirelliners & 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 Shieve In Derrick/N-1 Working On Muddy Lease

Function Tested Pop Valves On Pump #1 & Pump #2

SPECIAL EVENT | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
Fishing		15503

EVENING TOUR

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
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
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
3522	152	100	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	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 | TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
TRIPPING		15503

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
(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) Weekly Inspect BOPs- Flare Lines & Degasser Lines
(1) Rig Site Health & Safety Meeting (tour/crew/month)
(2) CAODC Rig Safet Inspection Checklist (tour/rig/month)
(3) Mast Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	DFR	K.M
	MP	GP
	MP	GP
	MP	GP
	MP	GP
	MP	GP
		GP
		GP

YEAR 2005 MONTH 9 DAY 1
RIG NO. 58
FUEL @ 08.00 HRS
RIG 120 BOILER
TEMPERATURE 7
CURRENT CONDITIONS Partly cloudy
WIND DIRECTION S.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
DRILL STRING	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 light 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	TYPE
	2	Derrick FLC	Derrick FLC
SCREENS CHANGED	NO	NEW USED	

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. PARAMOUNT ET AL LIARD K-29A — YEAR 2005 — MONTH 9 — DAY 1
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 2709

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 20 — DRIVERS

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

RATE SCHEDULE — REGULAR — REPAIR X — INVERT
CREW SAFETY DAYS 20 — 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 20 — DRIVERS

MORNING 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
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	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	10-UIP 5 DN
TORQUE AT BOTTOM	7900
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE HT40	WATER BASED [ ]	OIL BASED [X]
TIME	100	600
DENSITY (kg/m3)	990	995
FUNNEL VISCOSITY	45	76
FLUID LOSS (cm3)		
pH		
PVT.m3	64.2	61.7

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
7100	152	95	152	

REDUCED PUMP SPEED: 2300 @ 50 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
2499.93	43.6	325.0

DRILLER SIGNATURE: KEVIN VANDENBRAND

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2514	2520.8	D	30	10

TIME LOG

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

NOTES: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-24 CIRCULATING, E-3 CLEANING SCR ROOM

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		CLEANING SCR ROOM	155	15503

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
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	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE Q'HT40	WATER BASED [ ]	OIL BASED [X]
TIME	1200	1600
DENSITY (kg/m3)	1010	1010
FUNNEL VISCOSITY	58	63
FLUID LOSS (cm3)		
pH		
pvt	62.9	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BAROAGEL 3000	20	SX
GILSTONITE	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
	152		152	

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	1545	7.50	22	Jar Stuck Pipe (Top Drive Screwed In)
1545	1600	0.25	23	Inspect Derrick & Top Drive
1600				

NOTES: 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

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		Working Stuck Pipe		15503

EVENING 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
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	OOC	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)		
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
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: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
REVIEWED JSA # G-14 WASHING RIG, A-15 WHIMIS LABELLING

SPECIAL EVENT		SAFETY TOPIC	MEHL	MACP
TIME / DEPTH		WORKING STUCK PIPE		15503

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

	DRG	A.M.	P.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.) Weekly Inspect BOPs- Flare Lines & Degasser Lines	MP	GP	
(1.) Rig Site Health & Safety Meeting (once/week/month)		GP	
(2.) CAODC Rig Safet Inspection Checklist (once/q/month)		GP	
(3.) Mast Inspection before Raising or Lowering		GP	
(4.) Crown Saver Checked		GP	
(5.) Motor Kills Checked		GP	

YEAR 2005 | MONTH 8 | DAY 31

RIG NO. 58

FUEL @ 08:00 HRS

RIG 143 | BOILER

WEATHER

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	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_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)

NO. 2 | TYPE Derrick FLC | TYPE Derrick FLC

SCREENS CHANGED NO | NEW USED

TOP 175 | TOP 175

MIDDLE 175 | MIDDLE 175

BOTTOM 175 | BOTTOM 175

RENTALS / SERVICES

	MORN	DAY	EVE
TOTAL MJ	318	89	
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	31

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	2708

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: 19

DRIVERS

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

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 19

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: 19

DRIVERS

MORNING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	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
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	

	2	3
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
8	7	BT	A	F	X	PS	TD	5.11

HOLE CONDITION

HOLE DRAG	10-up tripping
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	0

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	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	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	MEHL	MACP
tripping		15685

DAY TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	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
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	

	3	
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

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	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	
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	MEHL	MACP
Tripping		15503

EVENING TOUR

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	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
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	

	3	
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

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	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
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	MEHL	MACP
CONNECTION		15503

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

	Crew	In 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 & Sour 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 (once/week/month)		GP
(2.) CAODC Rig Safet Inspection Checklist (once/q/month)		
(3.) Mast Inspection before Raising or Lowering		GP
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		GP

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)

	OD / 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	DF FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050830_1F		
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	23	24	25	26
MORN		6.5					0.25			1.0											0.25					
DAY		7.5					0.25														0.25					
EVE		6.25			0.75		0.25			0.5											0.25					
TOTAL		20.25			0.75		0.75			1.50											0.75					

SHALE SHAKER(S)

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

TOTALS	TOP	TOP	MIDDLE	MIDDLE	BOTTOM	BOTTOM
8.00	175	175				
8.00	175	175				
8.00	175	175				
24.00	175	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		

MORNING TOUR

FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
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

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		BRIAN JULIAN	10			BJ

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS 18 | DRIVERS

EVENING TOUR

FROM 1600 TO 2400

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

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT	0.25	
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
2	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	D.P. STANDS		2180.18
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		2449.82
	WT. OF D.C.	12	
	WT. OF STRING	85	

	MORNING TOUR	DAY TOUR	EVENING TOUR
BIT NO.	2	2	2
SIZE	216	216	216
IADC CODE			
MANUFACTURER	HUGHES	HUGHES	HUGHES
TYPE	MX-30G	MX-30G	MX-30G
SERIAL NO.	6037748	6037748	6037748
JETS	3 X 11.9	3 X 11.9	3 X 11.9
DEPTH OUT (m)	2415.00	2444	2463.45
DEPTH IN (m)	2287.73	2287.73	2287.73
TOTAL DRILLED (m)	127.27	156.27	175.72
TOTAL HRS RUN	27.5	35	34.25

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

HOLE CONDITION	MORNING TOUR	DAY TOUR	EVENING TOUR
HOLE DRAG	5-10 UP 5 DN rotate		10 up 5 dn
TORQUE AT BOTTOM	6900		7800
FILL ON BOTTOM (m)	0		0

MUD RECORD

	MORNING TOUR			DAY TOUR			EVENING TOUR		
MUD TYPE		WATER BASED	OIL BASED X		WATER BASED	OIL BASED X		WATER BASED	OIL BASED X
TIME	800	1000	1400			1600	1800	2100	2400
DENSITY (kg/m3)	990	985	995			990	990	990	990
FUNNEL VISCOSITY	46	44	46			45	45	45	44
FLUID LOSS (cm3)									
pH									
PVT,m3	64.4	65.5	64.1			63.8	63	62.2	61.7

MUD MATERIALS ADDED

	PRODUCT	AMOUNT	UNIT
MORNING TOUR	LIME	20	SX
	Q-mud1	1	BBL
	GEL	100	SX
	SODA ASH	2	SX
	CAUSTIC	1	SX
DAY TOUR			
EVENING TOUR	Q-Wet	1	BBL

SOLIDS CONTROL

CENTRIFUGE

	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
MORNING TOUR	0			
	0			
DAY TOUR				
EVENING TOUR	2	995	990	1850

BOILERS

	1	2
MORNING TOUR	HRS RUN 0	HRS RUN 0
	BOILER pH	BOILER pH
	STACK TEMP	STACK TEMP
DAY TOUR		
EVENING TOUR	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
MORNING TOUR	8500	152	95	152
DAY TOUR	8500	152		152
EVENING TOUR	8100	152		152

REDUCED PUMP SPEED

MORNING TOUR	2390 @	50 @	2431	
DAY TOUR	@		@	
EVENING TOUR	2350 @	2449 @	50	

DEVIATION SURVEYS

	DEPTH (m)	DEVIATION	DIRECTION
MORNING TOUR	2405.24	36.4	1.4
	2415.0	37.9	359.0
DAY TOUR			
EVENING TOUR	2433.82	39.4	354.5
	2443.24	40.0	350.2

DRILLER SIGNATURE: MORNING TOUR — BRIAN WYATT; DAY TOUR — KEVIN VANDENBRAND; EVENING TOUR — ALLAN LICKOCH

METRES DRILLED

	FROM	TO	D-R-C	RPM	WOB
MORNING TOUR	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
DAY TOUR	2415	2444	D	30	14
EVENING TOUR	2444	2463.45	D	30	14

TIME LOG

	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
MORNING TOUR	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
DAY TOUR	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
EVENING TOUR	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

MORNING TOUR: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE; REVIEWED JSA # G-26 LOADER MAINTENANCE, I-4 MIX MUD

DAY TOUR: CHECKED, CROWN SAVER, FASTLIUNE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE; REVIEWED JSA # G-26 LOADER MAINTENANCE, I-4 MIX MUD

EVENING TOUR: 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	TIME / DEPTH	SAFETY TOPIC	MEH.	MACP
MORNING TOUR			MIXING MUD		15685
DAY TOUR			MIX MUD		15685
EVENING TOUR			Connections		15685

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.) CADOC Rig Safet Inspection Checklist (one/light/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

DPR	R.M.

YEAR 2005 | MONTH 8 | DAY 29
RIG NO. 58
FUEL @ 08:00 HRS
RIG 163 | BOILER

WEATHER
TEMPERATURE
CURRENT CONDITIONS
WIND DIRECTION
ROAD CONDITION

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	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 | DF FUEL
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM AKTA58_20050829_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 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

TIMEHRS	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILG 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					TOTALS
MORN		10.0					0.25			1.5											0.25					12.00
DAY		10.5					0.25			1.0											0.25					12.00
TOTAL		20.50					0.50			2.50											0.50					24.00

SHALE SHAKER (S)	RENTALS / SERVICES	MORNING	DAY
NO. 2 TYPE Derrick FLC / TYPE Derrick FLC	TOTAL MJ	912	394
SCREENS CHANGED NO / 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	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

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
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	T2	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	

MORNING TOUR — 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

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

MORNING TOUR — 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/ds - 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	MD#	MACP
TIME / DEPTH			B.O.P DRILL		15685

MORNING TOUR — 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: 17
DRIVERS: 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
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	T2	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	

DAY TOUR — METRES DRILLED

FROM	TO	D/R/C	RPM	WOB
2368	2369	D	0	18
2369	2415	D	30	13

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

DAY TOUR — 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	MD#	MACP
TIME / DEPTH			WORKING W/ AIR TOOL	100	15543

DAY TOUR — 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: 17
DRIVERS: 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 Safe Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPR	K.M.

YEAR	MONTH	DAY
2005	8	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	DP FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM: AKTA58_20050828_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 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 HANDLE TOOL; 23 ORIENT TOOLS TROUGH; 24; 25; 26; TOTALS

	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	TOTALS
MORN		5.5			1.0	4.5	0.25			0.75																	12.00
DAY		5.5			0.75	4.25	0.25			0.25											0.25	0.5	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)		RENTALS / SERVICES	MORNING	DAY
NO. 2	TYPE Derrick FLC	TOTAL MJ	912	394
SCREENS CHANGED	NEW / USED TYPE Derrick FLC	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	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.		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		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

1	2	MDC	LOC	BRG	GAGE	OOC	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	

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

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

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/cls - 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/cls
				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	MEAS.	MAOP
TIME / DEPTH		LOADER OPERATION		15502

MORNING TOUR FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES 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
16	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
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 11.9	3 X 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

1	2	MDC	LOC	BRG	GAGE	OOC	REASON PULLED	TOTAL RUN m/HR
1	1	WT	A	1	2	BT	PR	TD

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
C-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	

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
2287	2316.44	D	0	13

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 PJU SUBS IN STUMP CHECKED BOP AND

MANIFOLD VALVE ALIGNMENT FUNCTION REMOTE CHOKE C/O 10secs

SPECIAL EVENT		SAFETY TOPIC	MEAS.	MAOP
TIME / DEPTH		TRIPPING	95	15725

DAY TOUR FROM 2000 TO 800

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES 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
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/hig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

DPR	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 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		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: AKTAS8_20050827_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 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		7.75			0.75	1.75	0.25			1.5																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	TYPE Derrick FLC 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: DAVE LAUCK | RIG NO. 58
PROVINCE: N.W.T. | CAMP: X YES / NO | RIG SAFETY DAYS: 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

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN mHR

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	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7560	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

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

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	MEPL	MACP
TIME / DEPTH			DRIVING CREW TRUCK		16141

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

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 15

DRIVERS: 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

T1	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN mHR

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	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7830	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

METRES DRILLED

FROM	TO	D/R/C	RPM	WOB
2170	2192	D	30	10
2192	2249.70	D	0	15

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	MEPL	MACP
TIME / DEPTH			CLIMBING DERRICK	94	15634

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

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS: 15

DRIVERS: 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 26
RIG NO. 58
FUEL @ 08:00 HRS
RIG 124 | 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 / DC
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050826_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		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: PARAMOUNT RESOURCES LTD.	CONTRACTOR: AKITA DRILLING LTD.		
RIG MANAGER: DAVE LAUCK		RIG NO. 58	
PROVINCE: N.W.T.	CAMP X YES NO	RIG SAFETY DAYS 2703	

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

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 14

DRIVERS: BRIAN WYATT; AL KOZAKEWICH

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

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS: 14

DRIVERS: BRIAN WYATT

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		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
2	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
62	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	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	1-2 up & dn
TORQUE AT BOTTOM	4430
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: invert | WATER BASED | OIL BASED X

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: 7430

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
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/ds
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	MEHL	MACP
TIME / DEPTH			CONNECTIONS		16543

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		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
2	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
55	DRILL PIPE STANDS		1665.50
	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	OOC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	3-UP 2-ON
TORQUE AT BOTTOM	5500
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE: | WATER BASED | OIL BASED X

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: 7380

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
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	MEHL	MACP
TIME / DEPTH			ELECTRICAL HAZARDS	85	16543

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

	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	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/m2)	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.	RIG 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	

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	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): 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	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	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.		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: 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	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 HRS RUN 0; 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
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	MDHL	MACP
TIME / DEPTH		WIRELINE		16452

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

RATE SCHEDULE | REGULAR | REPAIR X | INVERT

CREW SAFETY DAYS	DRIVERS
13	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
54	DRILL PIPE STANDS		
	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: 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	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 HRS RUN 0; 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
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	MDHL	MACP
TIME / DEPTH		TRIPPING	76	16543

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

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

	DPR	R M

YEAR	MONTH	DAY
2005	8	24

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
	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

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 MILL	24 BHA	25 SIDEENTRY	26	TOTALS
TIME - HRS 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										0.25			2.25	1.75		12.00
TOTAL		3.00			4.00	8.00	0.25		1.00	0.25	1.25									1.00	0.25		1.00	2.25	1.75		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
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	T2	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
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	TIME / DEPTH	SAFETY TOPIC	MEHL	MACP
		TRANSFER INVERT		

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
12	BRIAN WYATT
	AL KOZAKEWICH

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			
LEASE HAND		BRIAN JULIAN	12			BJ

DRILLING ASSEMBLY (AT END OF TOUR)

NO.	BIT	O.D.	LENGTH
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
54	DRILL PIPE STANDS		1608.64
1	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.	6038826	
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	T2	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
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	TIME / DEPTH	SAFETY TOPIC	MEHL	MACP
		SLIP AND CUT	75	16452

RATE SCHEDULE		REGULAR		REPAIR	X	INVERT

CREW SAFETY DAYS	DRIVERS
12	BRIAN WYATT

DAY TOUR FROM 2000 TO 800 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
LEASE HAND		FREDDY CARPENTER	12			FC
FLOOR HAND		MOSES LORD	12			ML
FLOOR HAND		BILL HETHERINGTON	12			BH

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	23

RIG NO. 58

FUEL @ 08:00 HRS

RIG	BOILER
86	

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	OF FULL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050823_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 SETWIP	25	26	TOTALS
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

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	SSDS OP	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
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
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	MEAS.	MACP
TIME / DEPTH			RIG OUT WIRE LINE	85	14313

INJURIES

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	DRIVERS
11	BRIAN WYATT
	AL KOZAKEWICH

DAY TOUR

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.	
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
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
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	MEAS.	MACP
TIME / DEPTH			TRIPPING	80	14131

DAY TOUR

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		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	DRIVERS
11	

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	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 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	AKTAS8_20050822_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 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
TIME BREAKDOWN 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)				RENTALS / SERVICES	MORNING	DAY
NO. 2	TYPE Derrick FLC	TYPE Derrick FLC		TOTAL MJ	912	394
SCREENS CHANGED	NO	NEW/ USED	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
K-29	2005	8	22

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	2699

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		

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

DRILL PIPE	STANDS	
DRILL PIPE	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 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
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		SAFETY TOPIC	MEN	MACP
TIME / DEPTH		TRIPPING IN AND OUT	75	

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
10	BRIAN WYATT
	AL KOZAKEWICH

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

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
	BIT		
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
4	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: 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) 1000 | FUNNEL VISCOSITY | FLUID LOSS (cm3) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: 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

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
2800	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
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		SAFETY TOPIC	MEN	MACP
TIME / DEPTH		Run Whip Stock		

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
10	

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 & 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.) CADOC 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	21

RIG NO. 58

FUEL @ 08:00 HRS

RIG	BOILER
110	

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

CADOC

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														0.25	1.0	1.75				12.00
DAY						2.75					9.0										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	TOP 175			MJ SLC	118	18
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	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

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
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		2186.70
	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	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
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	MEAL	MACP
TIME / DEPTH				PICK UP DRILL PIPE	85	

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

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
9	

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	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
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	MEAL	MACP
TIME / DEPTH				Tripping		

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

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

CHK	N.A.

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	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	OF FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050820_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 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
TOP	175	175	
MIDDLE	175	175	
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

BIT RECORD

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	

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 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 #SHG: 6.8	OFF LL:
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 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; 23; 24; 25; 26; TOTALS

	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	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)

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	901	929
ACCUM MJ	5793	
MJ SLC	5793	
ACCUM OIL LEVEL	.32	

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

NO. 1

DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
BIT	O.D.	

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	18

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	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_20050618_1B		
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 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 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)

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	901	343
ACCUM MJ	5207	
MJ SLC	5207	
ACCUM OIL LEVEL	.32	

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

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

BOILERS

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

CIRCULATION PRESSURE kPa

PUMP NO. 1		PUMP NO. 2	
LINER SIZE	SPM	LINER SIZE	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
815	830	0.25	14	TIGHTEN BOLTS ON B.O.P.STACK
830	1530	7.00	14	TIGHTEN BOLTS ON B.O.P.'S WITH LOCKHART
1530	1630	1.00	15	MAKE UP TEST TOOL
1630	1730	1.00	15	TRY TO INSTALL TEST TOOL HAVE TO GRIND ON SEMBOL REDUCE O.D.
1730	2000	2.50	15	WORK WITH WELDER ON SEMBOL TO REDUCE OD
2000				

NOTES: CHECKED DEADMAN ANCHOR FAST LINE CLAMP BRAKES AND LINKAGE
REVIEWED JSA M-9 NIPPLE UP BOP M-3 PRESSURE TEST BOP

SPECIAL EVENT
TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
NIPPLE UP		

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
6	

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

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

BOILERS

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

CIRCULATION PRESSURE kPa

PUMP NO. 1		PUMP NO. 2	
LINER SIZE	SPM	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
2000	2015	0.25	21	Pre-Tour Safety Meeting
2015	2115	1.00	15	Welder Grind Down Sembol to 153mm On Test Cup
2115	2245	1.50	15	Test #1 Blind Rams/Top Outside Kill Line Valve(10min. Each Test)
2245				Inside Lower kill Line/HCR/21,000 kpa High & 1,000 kpa Low
2245	2315	0.50	15	Test #2 Upper Pipe Rams/Lower IInside Choke Line (10 min Each)
				Lower Outside Kill Line/21,000 kpa High & 1,000 kpa Low
2315	2345	0.50	15	Test #3 Test Annular To 10,500 kpa
				Lower Check Valve On Kill Line/Lower Outside Choke Line Valve
2345	0045	1.00	15	Pull Test Cup Lay Down 178mm Casing
0045	145	1.00	15	Make Up Test Cup On 152mm Drill Pipe
145	215	0.50	15	Test #4 Lower Pipe Rams 21,000 kpa High 1,000 kpa Low
215	400	1.75	11	Rig In & Run #1 Gauge Ring With Junk Basket (Tag Packer @ 2450m)
400	530	1.50	11	Run #2 Gauge Ring & Junk Basket
530	800	2.50	19	M/U Fishing Tools/& Run Wireline Chemical Cut

NOTES: Checked Crown Saver, Fastline Clamp, Deadline Anchor, Brakes & Linkage
Review JSA # M-3 Pressure Test B.O.P.'s With Testing Truck

SPECIAL EVENT
TIME / DEPTH

SAFETY TOPIC	MEH.	MACP
Pressure Test		

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
6	

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

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 SOPs- 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	W.M.

YEAR 2005 | MONTH 8 | DAY 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	OP FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM	AKTA58_20050817_1B		
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2		

PASON

TOURS

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												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)

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	901	053
ACCUM MJ	4912	
MJ SLC	4912	
ACCUM OIL LEVEL	.32	

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

NO. 1

DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
BIT	O.D.	

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

	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

YEAR	MONTH	DAY
2005	8	16

RIG NO. 58

FUEL @ 08:00 HRS

RIG 118 | 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_20050816_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 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	TOP 175	MJ SLC	76	
MIDDLE	175	MIDDLE 175			
BOTTOM	175	BOTTOM 175			

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

NO. 1

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)

MORNING 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
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
800	815	0.25	21	Pre-Tour Safety Meeting
815	1300	4.75	14	NIPPLE UP B.O.P.
1300	1400	1.00	14	Change Top Pipe Rams To 114.3mm
1400	1630	2.50	15	Pressure Test Manifold Valaes 35,000 Kpa High & 1000 kpa Low
1630	1645	0.25	21	SAFETY MEETING WITH POWER TONG HANDS
1645	1715	0.50	15	RIG UP POWER TONGS TO MAKE UP TEST STRING
1715	1830	1.25	15	FIND AND MAKE UP TEST STRING TO CONTINUE WITH PRESSURE TEST
1830	2000	1.50	22	WAIT ON TOOLS
2000				

NOTES: CHECKED; Fastline Clamp, Deadline Anchor, Brakes & Linkage

Review JSA M-9 Install B.O.P. Stack

SPECIAL EVENT				SAFETY TOPIC	MEPL	MACP
TIME / DEPTH				Nipple Up		

MORNING TOUR FROM 800 TO 2000 — 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: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS: 4 — DRIVERS

NO. 2

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)

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
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
2000	2100	1.00	22	WAIT ON TOOLS
2100	2115	0.25	21	SAFETY MEETING WITH TESTER
2115	2300	1.75	15	MAKE UP TEST TOOLS
2300	2315	0.25	21	Safety Meeting with Pressure Tester (crew Change)
2315	2400	0.75	15	Test Blind Ram 21,000 Kpa High & 1000 Kpa Low (10min. each)
2400	0100	1.00	15	Test Pipe Rams 21,000 Kpa High 1000 kpa Low (10 min. each)
0100	0130	0.50	15	Test Annular 10,500 kpa High 1000 kpa Low
0130	0245	1.25	15	Accumulator Function Test & Rig Out Test Tools
0245	0400	1.25	23	Rig To & Drill Mouse Hole
0400	415	0.25	21	Safety Meeting With Fisherman & Lay Down Truck
415	500	0.75	19	Rig In Lay Down Truck & Make Up Fishing Tools To Pull 114.3mm Tubing
500	700	2.00	19	Latch On To Fish & Pull Dognut and Tubing To Floor
700	800	1.00	24	Rig In Power Tongs To Lay Down Tubing

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

Review JSA # M-3 Pressure Test With Truck

SPECIAL EVENT				SAFETY TOPIC	MEPL	MACP
TIME / DEPTH				Pressure Test		

DAY TOUR FROM 2000 TO 800 — INJURIES

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: 4 — 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.) CADDC 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

DC / DP

DC / DP SIZE

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	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 FULL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050815_1D
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CADDC

PASON

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

TIMES	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILG 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	DR. WORK	SAFETY MEETING		Wireline	Bleed Off Well	
MORN.																					0.25		8.5	3.25	
DAY														8.75	1.0						0.5			1.75	
TOTAL														8.75	1.00						0.75		8.50	5.00	

TOTALS	
	12.00
	12.00
	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: PARAMOUNT RESOURCES LTD.	CONTRACTOR: AKITA DRILLING LTD.			
RIG MANAGER: DAVE LAUCK		RIG NO. 58		
PROVINCE: N.W.T.	CAMP: X YES ☐ NO	RIG SAFETY DAYS 2682		

MORNING TOUR FROM 800 TO 2000

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

INJURIES

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 3 | DRIVERS

DAY TOUR FROM 2000 TO 800

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

INJURIES

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS: 3 | DRIVERS

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	T0	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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

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	MEAL	MACP
TIME / DEPTH	Wireline		

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	T0	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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

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	MEAL	MACP
TIME / DEPTH	WORKING WITH H2s		

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

	OPR	R M
(1.) Rig Site Health & Safety Meeting (once/week/month)		DL
(2.) CAODC Rig Safet Inspection Checklist (once/g/month)		
(3.) Mast Inspection before Raising or Lowering		
(4.) Crown Saver Checked		DL
(5.) Motor Kills Checked		DL

YEAR	MONTH	DAY
2005	8	14

RIG NO. 58

FUEL @ 08:00 HRS

RIG 133 | 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_20050814_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 DR. WORK	21 SAFETY MEETING	22 Wait For Service/Baseline	23	24 Bleed Off Pressure	25	26	TOTALS
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: PARAMOUNT RESOURCES LTD.	CONTRACTOR: AKITA DRILLING LTD.		
RIG MANAGER: DAVE LAUCK	RIG NO. 58		
PROVINCE: N.W.T.	CAMP X YES NO	RIG SAFETY DAYS 2681	

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	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
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 | TIME / DEPTH | SAFETY TOPIC: Wireline | MEH | MACP

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: 2

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	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
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 | TIME / DEPTH | SAFETY TOPIC: WORKING WITH H2s | MEH | MACP

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: 2

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
AL IRONSIDE	DAVE LAUCK

DAILY CHECKS

(1.) Daily Work 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 SOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)
(2.) CADDC 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 2005 | MONTH 8 | DAY 13
RIG NO. 58
FUEL @ 08:00 HRS
RIG 140 | 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	RE-ENTRY
OPERATOR'S AFE	
KELLY BUSHING	GR FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM	AKTA58_20050813_1E
VENDOR SOFTWARE VERSION	EDR_3-1-4_HF2 ETS 2.2

CADDC

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

NO. 1

DRILLING ASSEMBLY (AT END OF TOUR)

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

I1	I2	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

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

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	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	MEH.	MACP
Rig Up		

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
1

DRIVERS

NO. 2

DRILLING ASSEMBLY (AT END OF TOUR)

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

I1	I2	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	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
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	MEH.	MACP
DRIVING		

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
1

DRIVERS