

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

Opr.

WC

WC

WC

WC

WC

WC

YEAR 2002

MONTH 2

DAY 21

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 169

BOILER

(1) Rig Site Health and Safety Meeting (one/crew/month)

(2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kills Checked

WEATHER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

WILBERT CALLIHOO

SAFETY TOPIC

RIG OUT

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																	
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				SA ON																
	177.8																2870.00		TOP 110				TOP 110																
	DC. DP SIZE	KG / M	GRADE	MIN.ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER			PUMP TYPE		STROKE LTH.		MIDDLE 110				MIDDLE 110																				
121	69.40	DC	60	121	3.5IF	21	EMSCO			F-1000		254																											
89	23.10	E	66	89	3.5IF	246	EMSCO			F-1000		254																											
89	24.40	X	66	89	3.5IF	123												BOTTOM 110		BOTTOM 110																			

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	TOTAL	
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR/RIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSQ. & CEMENT	WAIT ON CEMENT	NPPL UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING							
MORN	5.50																					2.50						8.00
DAY	8.00																											8.00
EVE	8.00																											8.00
TOTAL	21.50																					2.50						24.00

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS

O.D. mm

m

BIT NO.

SIZE (mm)

ADDC CODE

MFG.

Type

SERIAL NO.

JETS (mm)

DEPTH IN (m)

DEPTH OUT (m)

TOTAL METER

TOTAL HOURS

DRILLPIPE STANDS

DRILLPIPE SINGLES

KELLY DOWN

TOTAL

Wt. OF D.C.

WT. OF STRING

DRILLERS SIGNATURE

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

Circ. Press (kPa)

PUMP NO. 1

SPM

PUMP NO. 2

SPM

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HRS. RUN

BOILER PH

STACK deg

MACP

MAX HOOKLOAD

FROM

TO

ELAPSED TIME

CODE

INSTALL WELL HEAD

WINTERIZE & RIG OUT MUD TANKS

PUT CHOKE & DEGASSER LINES IN CARRIER.

BLOW OUT & ANTIFREEZE DRAWWORKS WATER LINES.

CLEAN OUT PUMP SUCTION LINES & WINTERIZE PUMPS

RIG OUT HYDRAULIC LINES ON SUITCASES.

RIG OUT MANIFOLD SHACK.

Notes: CHECKED CROWN SAVER ,FASTLINE CLAMP ,DEADLINE ANCHOR ,BRAKES & LINKAGE

BOILER BLOWN OUT 3 TIMES.

DAY SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

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(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

Opr. WC

WC

WC

WC

WC

WC

R.M.

YEAR 2002

MONTH 2

DAY 21

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 169

BOILER

WEATHER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

WILBERT CALLIHOO

SAFETY TOPIC

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve					
	339.7		320.4		81.10				K-55								502.00		NO. 2		TYPE DERRI		TYPE F.L.C																			
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS																							
	177.8																2870.00		TOP		110		TOP		110																	
	DC. DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE		110		MIDDLE		110															
121	69.40		DC		60		121		3.5IF		21		EMSCO		F-1000		254																									
39	23.10		E		66		89		3.5IF		246		EMSCO		F-1000		254																									
39	24.40		X		66		89		3.5IF		123								BOTTOM		110		BOTTOM		110																	
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	TOTAL															
OPER.	GROUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																					
MORN	5.50																					2.50						8.00														
DAY	8.00																											8.00														
EVE	8.00																											8.00														
TOTAL	21.50																					2.50						24.00														

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS

O.D. mm

m

BIT NO.

SIZE (mm)

IADC CODE

MFG.

Type

SERIAL NO.

JETS (mm)

DEPTH IN (m)

DEPTH OUT (m)

TOTAL METER

TOTAL HOURS

DRILLPIPE STANDS

DRILLPIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLERS SIGNATURE

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEPTH (m)

DEVIATION

DIRECTION

DRAG dan

TORQUE

FILL m

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

Circ. Press (kPa)

PUMP NO. 1

SPM

PUMP NO. 2

SPM

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HRS. RUN

BOILER PH

STACK deg

MACP

MAX HOOKLOAD

FROM

TO

ELAPSED TIME

CODE

800

1600

8.00

1

RIG OUT FLOOR /RIG OUT FLOOR PRE -FAB & TARPS

RIG OUT SHOP TARPS & PRE-FAB

CLEAN OUT PUMPS & RIG OUT MUD TANKS

Notes: RIG RELEASED @ 12:00 FEB. 21/02

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Pretormed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO. : 58 FUEL @ 08:00 HRS. RIG 169 BOILER	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450					
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)					

WILBERT CALLIHOO																SAFETY TOPIC																			
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES								Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2 TYPE DERRI TYPE F.L.C																
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS																
	177.8																2870.00																		
DC . DP SIZE	KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 110		TOP 110														
121	69.40		DC		60		121		3.5IF		21		EMSCO		F-1000		254		MIDDLE 110		MIDDLE 110														
89	23.10		E		66		89		3.5IF		246		EMSCO		F-1000		254																		
89	24.40		X		66		89		3.5IF		123								BOTTOM 110		BOTTOM 110														
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	TOTAL								
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRUG LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSQ. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING														
MORN	5.50																					2.50				8.00									
DAY	8.00																									8.00									
EVE	8.00																									8.00									
TOTAL	21.50																					2.50				24.00									
DRILLING ASSEMBLY (AT END OF TOUR)																BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL			
NO.	BIT/ MILLS	O.D.mm	m	BIT NO.			WATER BASED	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																	
			m	SIZE (mm)			TIME								1600	2400	8.00	1	TEAR DOWN SHOP PRE-FAB & TARPS																
			m	IADC CODE			DENSITY kg/m3												RIG OUT TANKS																
			m	WFG.			FUNNEL VIS s/l																												
			m	Type			W.L. cm/ FILCK																												
			m	PH																															
			m	SERIAL NO.																															
			m	JETS (mm)																															
			m	DEPTH IN (m)			MUD MATERIALS USED																												
			m	DEPTH OUT (m)			TYPE	QTY	UNITS																										
			m	TOTAL METER																															
			m	TOTAL HOURS																															
DRILLPIPE STANDS			m	INNER	OUTER	DULL	LOCATION	BEARINGS	GAGE(mm)	OTHER	REASON	R.O.P.																							
DRILLPIPE SINGLES			m										DEVIATION SURVEY																						
KEY DOWN TOTAL			m				DEPTH (m)	DEVIATION	DIRECTION																										
WT. OF D.C.			m																																
WT. OF STRING			m																																
				1000 dan DRAG dan								HRS. RUN BOILER PH STACK deg				Notes:																			
				1000 dan TORQUE								8.00 10.5 260																							
				dan FILL m								MACP MAX HOOKLOAD																							
DRILLERS SIGNATURE ALLAN LICKOCH																																			

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

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(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

Opr. WC

R.M. DL

YEAR 2002

MONTH 2

DAY 20

RIG NO. 58

FUEL @ 08:00 HRS.

RIG 187

BOILER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

DL

WEATHER

WILBERT CALLIHOO

DAVE LAUCK

SAFETY TOPIC

L/D PIPE

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve			
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																		
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				YES NO																	
	177.8																2870.00		TOP 110				TOP 110																	
	DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 110				MIDDLE 110															
121		69.40		DC		60		121		3.5IF		21		EMSCO		F-1000		254		BOTTOM 110				BOTTOM 110																
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OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	lay dn. DP-L	rental equip																	
MORN						0.50																7.00	0.50				8.00													
DAY														3.00								2.50	2.50				8.00													
EVE														8.00													8.00													
TOTAL						0.50								11.00								9.50	3.00				24.00													

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS

O.D. mm

m

BIT NO.

SIZE (mm)

m

IADC CODE

m

MFG.

m

Type

m

SERIAL NO.

m

JETS (mm)

m

DEPTH IN (m)

m

DEPTH OUT (m)

m

TOTAL METER

m

TOTAL HOURS

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KELLY DOWN

m

TOTAL

m

WT. OF D.C.

1000 dan

DRAG dan

WT. OF STRING

1000 dan

TORQUE

FILL m

DRILLERS SIGNATURE

GARY PATRICK

WATER BASED

X

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/1

W.L. cm/ FILCK

PH

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

3368.00

PUMP NO. 1

PUMP NO. 2

REDUCED PUMP SPEED

SOLIDS CONTROL EQUIPMENT

DESILTER

CENTRIFUGE

DEVIATION SURVEY

BOILER

STACK deg

MACP

MAX HOOKLOAD

Notes: CHECK CROWN SAYER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE.

BOILER BLOWN DOWN 3 TIMES.

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		WC WC WC WC WC WC		RIG NO. : 58	
OPERATOR. : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.						FUEL @ 08:00 HRS.	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450						RIG 187 BOILER	
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LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES				Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C									
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				YES	NO							
	177.8																2870.00														
	DC . DP SIZE	KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 110		TOP 110									
121	69.40		DC		60		121		3.5IF		21		EMSCO		F-1000		254		MIDDLE 110		MIDDLE 110										
89	23.10		E		66		89		3.5IF		246		EMSCO		F-1000		254		BOTTOM 110		BOTTOM 110										
89	24.40		X		66		89		3.5IF		123																				

[illegible]

LICENSE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66									
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.									
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450									
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WILBERT CALLIHOO		DAVE LAUCK									
		SAFETY TOPIC NIPPLE DOWN B.O.P.									
LAST CASING TUBING OR LINER O.D. mmMIN. I.Dkg/mMAKEGRADE# OF JOINTSTOTAL (m)KB TO CSGSET AT (m) 339.7320.481.10K-55502.00 244.5226.553.57IPSCOJ-55851099.607.001098.50 177.82870.00		SHALE SHAKER(S) NO. 2TYPE DERRITYPE F.L.C CHANGE SCREENS TOP 110TOP 110 MIDDLE 110MIDDLE 110 BOTTOM 110BOTTOM 110		RENTALS / SERVICES MornDayEve							
DC. DP SIZEKG / MGRADEMIN. IDTOOL JT. O.D.TYPE THREAD# OF JOINTSPUMP MANUFACTURERPUMP TYPESTROKE LTH. 12169.40DC601213.5IF21EMSCOF-1000254 8923.10E66893.5IF246EMSCOF-1000254 8924.40X66893.5IF123		CODE NO.1234567891011121314151617181920212223242526TOTAL OPERTRIUP & TEARDOWNDRILL ACTUALREAMINGCORINGCOND. MUD & CIRC.TRIPSRIQ SERVICEREPAIRRICUT OFF DRLG. LINEDEV. SURVEYWIRELINELOGSRUN CSO. & CEMENTWAIT ON CEMENTNIPPLE UP B.O.P.TEST B.O.P.DRILL STEMPUG BACKSQUEEZE CEMENTFISHINGDIRECTIONAL WORKSAFETY MEETINGlay dn. DP-Crental equip MORN0.507.000.508.00 DAY3.002.502.508.00 EVE8.009.503.0024.00 TOTAL11.00									
NO. DRILLING ASSEMBLY (AT END OF TOUR)		BIT RECORD		MUD RECORD		METERS DRILLED		TIME LOG		TIME DETAIL	
BIT/MILLSO.D.mmm SIZE (mm) IADC CODE MFG. Type SERIAL NO. JETS (mm) DEPTH IN (m) DEPTH OUT (m) TOTAL METER TOTAL HOURS DRILLPIPE STANDS DRILLPIPE SINGLES KELLY DOWN TOTAL WT. OF D.C. WT. OF STRING		BIT NO. DENSITY kg/m3 FUNNEL VIS s/l W.L. cm/FILCK PH MUD MATERIALS USED TYPEQTYUNITS DEVIATION SURVEY DEPTH (m)DEVIATIONDIRECTION HRS. RUN BOILER PH STACK deg MACP MAX HOOKLOAD		WATER BASEDOIL BASED Circ. Press (kPa) PUMP NO. 1LINER(mm)SPMPUMP NO. 2LINER(mm)SPM REDUCED PUMP SPEED SOLIDS CONTROL EQUIPMENT DESILTER CENTRIFUGE DEVIATION SURVEY BOILER MACP MAX HOOKLOAD		FROMTO FROMTOELAPSED TIMECODE NIPPLE DOWN B.O.P. CLEAN MUD TANKS Notes: CHECKED CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE BOILER BLOWN DOWN 3 TIMES. TOTAL MJ=407256 ,ACCUMULATED MJ=14117					

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted (If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A..O.D.C Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450		(1) Rig NO.: 58 (2) FUEL @ 08:00 HRS. (3) RIG 213 BOILER	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		(1) TEMPERATURE (2) CONDITIONS (3) WIND DIRECTION (4) ROAD CONDITION	

WILBERT CALLIHOO														SAFETY TOPIC										RUNNING CASING																
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES								Morn	Day	Eve							
	339.7		320.4		81.10				K-55								502.00		NO. 2		TYPE DERRI		TYPE F.L.C																	
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				YES		X		NO													
	177.8																2870.00		TOP				110		TOP		110													
	DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE				110		MIDDLE		110											
121		69.40		DC		60		121		3.5IF		21		EMSCO		F-1000		254		BOTTOM				110		BOTTOM		110												
89		23.10		E		66		89		3.5IF		246		EMSCO		F-1000		254																						
89		24.40		X		66		89		3.5IF		123																												
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	TOTAL													
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DR.L.G. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST S.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	handle tools	LAY DOWN																	
MORN						2.50						5.25									0.25						8.00													
DAY					2.00							5.75									0.25						8.00													
EVE					0.50							1.25									0.25	1.25	4.75				8.00													
TOTAL					2.50	2.50						12.25									0.75	1.25	4.75				24.00													

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL			
NO	BIT/ MILLS	O.D. mm	m	BIT NO.				WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE			
			m	SIZE (mm)				TIME				3368.00					0	230	2.50	6	CONTINUE TRIP OUT OF HOLE. FLOW CHECK @ 237m.(110stds),OUT OF HOLE		
			m	IADC CODE				DENSITY kg/m3									230	315	0.75	12	RIG TO RUN CASING.		
			m					FUNNEL VIS s/l									315	330	0.25	21	SAFETY MTG.		
45	4.5" CASIN	114	608.50	MFG.				W.L. cm/ FILCK				Circ. Press (kPa)	PUMP NO. 1 LINER(mm)	SPM	PUMP NO. 2 LINER(mm)	SPM	330	615	2.75	12	MAKE UP FLOAT & SHOE. RUN 4.5" CASING.		
	RUNNING T		8.30	Type				PH					152.0		127.0		615	700	0.75	12	MAKE UP CASING HANGER. RIG OUT POWER TONGS.		
			m	SERIAL NO.				PVT m3				REDUCED PUMP SPEED					700	800	1.00	12	RUN CASING IN HOLE ON END OF DRILL PIPE.		
			m	JETS (mm)				MUD MATERIALS USED				@				@	800						
			m	DEPTH IN (m)				TYPE	QTY	UNITS		SOLIDS CONTROL EQUIPMENT											
			m	DEPTH OUT (m)								DESILTER											
			m	TOTAL METER								HOURS	INTAKE	OVERFLOW	UNDERFLOW								
			m	TOTAL HOURS								CENTRIFUGE											
	DRILLPIPE	STANDS	m									HOURS	INTAKE	OVERFLOW	UNDERFLOW								
	DRILLPIPE	SINGLES	m	INNER	OUTER	DULL	LOCATION	BEARINGS	GAGE(mm)	OTHER	REASON	R.O.P.											
	KELLY DOWN		m	DEVIATION SURVEY								HOURS				INTAKE	OVERFLOW	UNDERFLOW					
			m	DEPTH (m)	DEVIATION	DIRECTION																	
	TOTAL	616.80	m	DRAG dan								HRS. RUN				BOILER PH	STACK deg	Notes: CHECKED CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE					
	WT. OF D.C.		1000 dan	TORQUE								8.00				10.5	260	BOILER BLOWN DOWN 3 TIMES.					
	WT. OF STRING	24	1000 dan	FILL m								MACP				19112	ACCUMULATOR OIL LEVEL= 30 cm.						
DRILLERS SIGNATURE				GARY PATRICK								MAX HOOKLOAD											

EVENING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

(1) Rig Site Health and Safety Meeting (one/crew/month)
 (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month)
 (3) Mast Inspection Before Raising or Lowering
 (4) Crown Saver Checked
 (5) Motor Kills Checked

OPR. WC
 R.M. WC
 WC
 WC
 WC
 WC

YEAR 2002 MONTH 2 DAY 19
 RIG NO.: 58
 FUEL @ 08:00 HRS.
 RIG 213 BOILER
 TEMPERATURE
 CONDITIONS
 WIND DIRECTION
 ROAD CONDITION

WILBERT CALLIHOO

SAFETY TOPIC

L/D PIPE

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve			
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				$\frac{1}{2}$ x $\frac{1}{2}$															
	177.8																2870.00		TOP 110				TOP 110															
	DC. DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 110				MIDDLE 110													
121		69.40		DC		60		121		3.5IF		21		EMSCO		F-1000		254		BOTTOM 110				BOTTOM 110														
89		23.10		E		66		89		3.5IF		246		EMSCO		F-1000		254																				
89		24.40		X		66		89		3.5IF		123																										
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	TOTAL											
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR/RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	handle tools	LAY DOWN															
MORN						2.50						5.25									0.25						8.00											
DAY					2.00							5.75									0.25						8.00											
EVE					0.50							1.25									0.25	1.25	4.75				8.00											
TOTAL					2.50	2.50						12.25									0.75	1.25	4.75				24.00											

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS O.D.mm

BIT NO.

WATER BASED X OIL BASED

FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT. ON BIT

FROM TO ELAPSED TIME CODE

TIME DETAIL

SIZE (mm)

DENSITY kg/m3

3368.00

1600 1715 1.25 12 set liner & cement casing

IADC CODE

FUNNEL VIS s/l

1715 1800 0.75 22 pull out of liner/ brk. head off & pull one stand

MFG.

W.L cm/ FILCK

1800 1830 0.50 5 reverse circulate through top kill line @ 3333m/ pull two stands

Type

PH

1830 1900 0.50 22 rig out cementers / rig out cement head

SERIAL NO.

PVT m3

1900 2030 1.50 23 RIG TO LAY DOWN PIPE.

JETS (mm)

MUD MATERIALS USED

2030 2045 0.25 21 SAFETY MTG. LAYING DOWN DRILL PIPE.

DEPTH IN (m)

TYPE QTY UNITS

2045 2400 3.25 23 LAY DOWN DRILL PIPE.

DEPTH OUT (m)

BARITE 25 SXS

2400

TOTAL METER

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

TOTAL HOURS

CENTRIFUGE

HOURS INTAKE OVERFLOW UNDERFLOW

DRILLPIPE STANDS

DEVIATION SURVEY

HOURS INTAKE OVERFLOW UNDERFLOW

DRILLPIPE SINGLES

DEPTH (m) DEVIATION DIRECTION

HOURS INTAKE OVERFLOW UNDERFLOW

KEY DOWN

BOILER

HOURS INTAKE OVERFLOW UNDERFLOW

TOTAL

HRS. RUN PH STACK deg

8.00 10.5 260

WT. OF D.C.

DRAG dan

MACP

WT. OF STRING

TORQUE

MAX HOOKLOAD

DRILLERS SIGNATURE GARY PATRICK

Notes: CHECKED CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE
 BOILER BLOWN DOWN 3 TIMES
 TOTAL MJ= 406956, ACCUMULATED MJ= 13817

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

Opr.

WC

WC

WC

WC

WC

WC

YEAR 2002

MONTH 2

DAY 18

RIG NO. : 58

FUEL @ 08:00 HRS.

RIG 220

BOILER

WEATHER

TEMPERATURE -22

CONDITIONS CLOUDY

WIND DIRECTION CALM

ROAD CONDITION SNOW

WILBERT CALLIHOO

SAFETY TOPIC

DOPE PAILS/GREASE

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve	
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI	TYPE F.L.C															
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS																	
	177.8																2870.00																			
DC . DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 110		TOP 110														
121		69.40		DC		60		121		3.5IF		21		EMSCO		F-1000		254		MIDDLE 110		MIDDLE 110														
89		23.10		E		66		89		3.5IF		246		EMSCO		F-1000		254		BOTTOM 110		BOTTOM 110														
89		24.40		X		66		89		3.5IF		123																								
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	TOTAL									
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING															
MORN											8.00																8.00									
DAY							5.50	0.25			2.25																8.00									
EVE					4.25	3.50	0.25																				8.00									
TOTAL					4.25	9.00	0.50				10.25																24.00									

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS

O.D. mm

m

BIT NO.

2DRR

m

SIZE (mm)

152.4

m

IADC CODE

5 3 7

m

MFG.

REED

m

Type

SL53A

m

SERIAL NO.

MT8049

m

JETS (mm)

11. 11. 11.

m

DEPTH IN (m)

3072.00

m

DEPTH OUT (m)

3368.00

m

TOTAL METER

296.00

m

TOTAL HOURS

39.75

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KELLY DOWN

m

WT. OF D.C.

1000 dan

WT. OF STRING

1000 dan

DRILLERS SIGNATURE

GARY PATRICK

WATER BASED

X

OIL BASED

TIME

DENSITY kg/m3

1050

FUNNEL VIS s/l

62

W.L. cm/ FILCK

7.5

PH

10.0

PVT m3

77.20

MUD MATERIALS USED

TYPE

QTY

UNITS

SAWDUST

15

SXS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

3368.00

Circ. Press (kPa)

PUMP NO. 1

PUMP NO. 2

LINER(mm)

SPM

LINER(mm)

SPM

152.0

127.0

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HRS. RUN

BOILER PH

STACK deg

8.00

10.5

260

MACP

19112

MAX HOOKLOAD

Notes: CHECK FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

BOILER BLOWN DOWN 3 TIMES

ACCUMULATOR LEVEL= 30cm.

LICENSE NO. : 1935	WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	
WILBERT CALLIHOO			
LAST CASING TUBING OR LINER :		SAFETY TOPIC	
O.D. mm	MIN. I.D	kg/m	MAKE
GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.
SET AT (m)	SHALE SHAKER(S)		RENTALS / SERVICES
NO. 2	TYPE DERRI	TYPE F.L.C	Morn Day Eve
CHANGE SCREENS		TOP 110	MIDDLE 110
BOTTOM 110			
DC . DP SIZE	KG / M	GRADE	MIN.ID
TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER
PUMP TYPE	STROKE LTH.		
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	TOTAL
OPR.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING
CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE
REPAIR/RIG	CUT OFF DRLLG. LINE	DEV. SURVEY	WIRELINE LOGS
RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.
DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING
DIRECTIONAL WORK	SAFETY MEETING	BOP DRILL	handle tools
TOTAL			
BIT RECORD			
MUD RECORD			
METERS DRILLED			
TIME LOG			
TIME DETAIL			
DEVIATION SURVEY			
BOILER			
MACP			
MAX HOOKLOAD			
Notes:			

EVENING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

Opr. WC
WC
WC
WC
WC
WC

R.M.

YEAR 2002 MONTH 2 DAY 17
RIG NO.: 58
FUEL @ 08:00 HRS.
RIG 203 BOILER
TEMPERATURE -18
CONDITIONS OVERCAST
WIND DIRECTION N.W.
ROAD CONDITIONS NOW

WILBERT CALLIHOO														SAFETY TOPIC										DOPE PAIRS/GREASE													
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C															
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50			CHANGE SCREENS				YES x NO													
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER				PUMP TYPE		STROKE LTH.		TOP 110		TOP 110																				
121	69.40	DC	60	121	3.5IF	21	EMSCO				F-1000		254		MIDDLE 110		MIDDLE 110																				
89	23.10	E	66	89	3.5IF	246	EMSCO				F-1000		254		BOTTOM 110		BOTTOM 110																				
89	24.40	X	66	89	3.5IF	123																															
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	TOTAL										
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	BOP DRILL	handle tools														
MORN		0.50			4.75	1.75	0.25		0.75																	8.00											
DAY					0.50	6.25																0.25	1.00			8.00											
EVE											8.00															8.00											
TOTAL		0.50			5.25	8.00	0.25		0.75		8.00											0.25	1.00			24.00											

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS

O.D. mm

m

BIT NO.

2D

m

SIZE (mm)

152.4

m

IADC CODE

5 3 7

m

MFG.

REED

m

Type

SL53A

m

SERIAL NO.

MT8049

m

JETS (mm)

11. 11. 11.

m

DEPTH IN (m)

3072.00

m

DEPTH OUT (m)

3368.00

m

TOTAL METER

296.00

m

TOTAL HOURS

39.75

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KELLY DOWN

m

TOTAL

m

D.C.

1000 dan

TORQUE

1000 dan

FILL m

WT. OF STRING

DRILLERS SIGNATURE

GARY PATRICK

WATER BASED

X

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/v

FILCK

PH

PVT m3

MUD MATERIALS USED

TYPE

QTY

UNITS

SAWDUST

15

SXS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

HRS. RUN

BOILER PH

STACK deg

MACP

19112

MAX HOOKLOAD

FROM

TO

DRILL/ REAM/CR

ROTARY R.P.M.

WT. ON BIT

FROM

TO

ELAPSED TIME

CODE

3368.00

1600

1830

2.50

11

rig in loggers / pick up tools

1830

2400

5.50

11

run in with log #1 HDIL-MAC-DOUBLE-ZDL-CN-GR

2400

Circ. Press (kPa)

PUMP NO. 1

PUMP NO. 2

LINER(mm)

SPM

LINER(mm)

SPM

127.0

127.0

REDUCED PUMP SPEED

@

0

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

Notes: CHECKED FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE.

BOILER BLOWN DOWN 3 TIMES

HELD ENVIROMENTAL MEETING

TOTAL MJ= 396649 ACCUMULATED MJ= 3510

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

WILBERT CALLIHOO

DAVE LAUCK

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

(1) Rig Site Health and Safety Meeting (one/crew/month)

(2) C.A..O.D.C. Rig Safety Inspection Checklist(one/rig/month)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kills Checked

Opr. WC

R.M. DL

WC DL

WC DL

WC DL

WC DL

WC DL

DL

YEAR 2002

MONTH 2

DAY 16

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 227

BOILER

WEATHER

TEMPERATURE -6

CONDITIONS OVERCAST

WIND DIRECTION CALM

ROAD CONDITION SNOW

SAFETY TOPIC

P.P.E.

LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)		RENTALS / SERVICES														Morn	Day	Eve				
	339.7	320.4	81.10		K-55				502.00	NO. 2	TYPE DERRI	TYPE F.L.C																				
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	CHANGE SCREENS																						
	121	69.40	DC	60	121	3.5IF	21	EMSCO	F-1000	254	TOP 110	110	MIDDLE 110	110	BOTTOM 110	110																
89	23.10	E	66	89	3.5IF	246	EMSCO	F-1000	254																							
89	24.40	X	66	89	3.5IF	123																										

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	TOTAL
OPER.	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	PIPELINE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING						
MORN		7.25					0.25			0.50																8.00	
DAY		7.25					0.25			0.50																8.00	
EVE		7.50								0.50																8.00	
TOTAL		22.00					0.50			1.50																24.00	

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

NO.	BIT / MILLS	O.D. mm	BIT NO.	2D	WATER BASED	X	OIL BASED	FROM	TO	DRILL / REAM / CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE							
1	STAB / SUB	149	0.20	m	SIZE (mm)	152.4		TIME	200	400	600	3200.00	3264.00	D	15	8	0	145	1.75	2	DRILL 152.4mm. HOLE FROM 3200m.-T/ 3216m.		
1	MOTOR	130	7.17	m	IADC CODE	5 3 7		DENSITY	1060	1040	1040						145	200	0.25	10	DEV. SURVEY @ 3199.44m. INC= 1.3 AZ= 243.0		
1	RSTRCTV /	129	0.77	m	MFG.	REED		FUNNEL VIS s/l	64	55	55						200	515	3.25	2	DRILL FROM 3216m.-T/ 3244m.		
1	STAB	140	1.54	m	Type	SL53A		W.L. cm/ FILCK	8.5	9.0	9.0						515	530	0.25	7	RIG SERVICE, FUNCTION BOTTOM PIPE RAMS 6 SEC/CLS. CHECK RSPP		
1	X.O.	122	0.34	m	SERIAL NO.	MT8049		PH	10.5	10.0	10.0						530	545	0.25	10	DEV. SURVEY @ 3227.89m. INC= 0.4 AZ= 221.8		
1	MONEL	122	9.53	m	JETS (mm)	11. 11. 11.		PVT m3	88.20	87.00	87.20						545	800	2.25	2	DRILL FROM 3244m.-T/ 3264m.		
1	TRANS SUB	121	2.13	m				MUD MATERIALS USED				REDUCED PUMP SPEED											
1	MONEL	122	9.44	m	DEPTH IN (m)	3072.00		TYPE	QTY	UNITS	SOLIDS CONTROL EQUIPMENT												
6	D.C.	119	54.68	m	DEPTH OUT (m)	3264.00		CAUSTIC	1	SX	DESILTER												
1	JAR	123	3.89	m	TOTAL METER	192.00		BIOLOSE	1	SX	CENTRIFUGE												
15	D.C.	119	137.74	m	TOTAL HOURS	24.50		STAFLO	1	SX													
	BHA= 227.6			m				LIGNITE	4	SXS													
				m				SAWDUST	15	SXS													
246	89mm E D		2344.06	m																			
	DRILLPIPE STANDS			m																			
71	DRILLPIPE SINGLES	679.52	m																				
	KELLY DOWN	12.79	m																				
	TOTAL	3264.00	m																				
	WT. OF D.C.	7	1000	dan	DRAG dan	2000 UP 1		DEPTH (m)	3199.44	DEVIATION	1.30	DIRECTION	243.0										
	WT. OF STRING	84	1000	dan	TORQUE	195			3227.89	0.40		221.8											
					FILL m																		
	DRILLERS SIGNATURE	GARY PATRICK																					

HRS. RUN

BOILER PH

STACK deg

8.00	10.5	260
------	------	-----

MACP

19394

MAX HOOKLOAD

86

Notes: CHECKED CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

BOILER BLOWN DOWN 3 TIMES.

R.S.P.P. FLOW RATE= 15%

ACCUMULATOR LEVEL= 30 cm.

LICENCE NO. : 1935	WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66	(3) H2S Signs Posted(If Required) WC DL (4) Well License & Stick Diagram Posted WC DL (5) Flare Lines Staked WC DL (6) BOP Drills Pretomed WC DL (7) Visually Inspect BOP's - Flarelines & Degasser Lines DL	FUEL @ 08:00 HRS.
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : AKITA DRILLING LTD.		RIG 227 BOILER
SURFACE LOCATION : 60:15:19.82 122	UNIQUE I.D. : 300F66020122450	(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked	WEATHER TEMPERATURE -6 CONDITIONS OVERCAST WIND DIRECTION CALM ROAD CONDITION SNOW
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		

WILBERT CALLIHOO														DAVE LAUCK														SAFETY TOPIC					CONFINED SPACE																														
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)			RENTALS / SERVICES										Morn	Day	Eve																													
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI	TYPE F.L.C																																										
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS			YES	x	6																																							
																			TOP 110	TOP 110																																											
DC	DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 110			MIDDLE 110																																														
121		69.40	DC	60	121	3.5IF	21	EMSCO		F-1000		254																																																			
89		23.10	E	66	89	3.5IF	246	EMSCO		F-1000		254																																																			
89		24.40	X	66	89	3.5IF	123																																																								
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	TOTAL																																				
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL G. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FEIHNG	DIRECTIONAL WORK	SAFETY MEETING																																										
MORN		7.25					0.25			0.50																	8.00																																				
DAY		7.25					0.25			0.50																	8.00																																				
EVE		7.50								0.50																	8.00																																				
TOTAL		22.00					0.50			1.50																	24.00																																				
DRILLING ASSEMBLY (AT END OF TOUR)														BIT RECORD										MUD RECORD										METERS DRILLED										TIME LOG										TIME DETAIL									
NO.	BIT / MILLS	O.D. mm	0.20	m	BIT NO.	2D	WATER BASED x				OIL BASED				FROM	TO	DRILL / REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																																								
1	STAB / SUB	149	0.20	m	SIZE (mm)	152.4	TIME	1800	2000	2200	3308.00	3364.00	D	15	8	1600	1900	3.00	2	drill 3308m to 3330m																																											
1	MOTOR	130	7.17	m			DENSITY kg/m3	1045	1050	1045						1900	1915	0.25	10	survey @ 3313.94m																																											
1	RSTRCTR /	129	0.77	m	IADC CODE	5 3 7	FUNNEL VIS s/l	54	54	55						1915	2245	3.50	2	DRILL 3330m to 3358m.																																											
1	STAB	140	1.54	m	MFG.	REED	W.L. cm/ FILCK	9.0	8.5	8.5						2245	2300	0.25	10	DEV. SURVEY @ 3341.89m. INC= 0.9 AZ= 196.0																																											
1	X.O.	122	0.34	m	Type	SL53A	PH	10.0	10.0	10.0						2300	2400	1.00	2	DRILL FROM 3358m-T/ 3364m.																																											
1	MONEL	122	9.53	m	SERIAL NO.	MT8049	P.V.T.	87.70	88.60	88.70						2400																																															
1	TRANS SUB	121	2.13	m	JETS (mm)	11.11.11.	MUD MATERIALS USED				5500	@	3330	@	40																																																
6	D.C.	119	54.68	m	DEPTH IN (m)	3072.00	TYPE QTY UNITS				SOLIDS CONTROL EQUIPMENT																																																				
1	MONEL	122	9.44	m	DEPTH OUT (m)	3364.00	SAWDUST 15 SX				DESILTER																																																				
				m	TOTAL METER	292.00	BIOLOSE 1 SX				HOURS INTAKE OVERFLOW UNDERFLOW																																																				
				m			LIGNITE 1 SX				CENTRIFUGE																																																				
				m			STAFLO 1 SX				HOURS INTAKE OVERFLOW UNDERFLOW																																																				
				m			XANPLEX 1 SX																																																								
246	89mm E D		2344.06	m	TOTAL HOURS	39.25	DEVIATION SURVEY																																																								
	DRILLPIPE STANDS			m	INNER	OUTER	DULL	LOCATION	BEARINGS	GAGE(mm)	OTHER	REASON	R.O.P.	</td>																																																	

MORNING SHIFT

LICENCE NO.: 1935

WELL NAME AND NO.: PARAMOUNT ANADARKO BOVIE F-66

OPERATOR: PARAMOUNT RESOURCES LTD.

CONTRACTOR: AKITA DRILLING LTD.

SURFACE LOCATION: 60:15:19.82 122

UNIQUE I.D.: 300F66020122450

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A..O.D.C. Rig Safety Inspection Checklist(one/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

Opr. WC
R.M. DL

YEAR 2002 MONTH 2 DAY 15

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 183 BOILER

WEATHER
TEMPERATURE 0
CONDITIONS OVERCAST
WIND DIRECTION CALM
ROAD CONDITION SNOW

WILBERT CALLIHOO

DAVE LAUCK

SAFETY TOPIC

TRIPPING

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C															
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				YES x NO														
																			TOP 110		TOP 110																
																			MIDDLE 110		MIDDLE 110																
DC. DP SIZE	KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPETHREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		BOTTOM 110		BOTTOM 110																
121	69.40		DC		60		121		3.5IF		21		EMSCO		F-1000		254																				
89	23.10		E		66		89		3.5IF		246		EMSCO		F-1000		254																				
89	24.40		X		66		89		3.5IF		123																										
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	TOTAL										
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRUG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																
MORN		3.00			0.50	4.00				0.25										0.25						8.00											
DAY		7.25					0.25			0.50																8.00											
EVE		7.00								1.00																8.00											
TOTAL		17.25			0.50	4.00	0.25			1.75										0.25						24.00											

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/MILLS O.D.mm 0.20 m

1 STAB /SUB 149 0.20 m

1 MOTOR 130 7.17 m

1 RSTRCTR 129 0.77 m

1 STAB 140 1.54 m

1 X.O. 122 0.34 m

1 MONEL 122 9.53 m

1 TRANS SUB 121 2.13 m

1 MONEL 122 9.44 m

6 D.C. 119 54.68 m

1 JAR 123 3.89 m

15 D.C. 119 137.74 m

BHA= 227.6 m

100 DRILLPIPE STANDS 2861.06m

DRILLPIPE SINGLES m

KELLY DOWN 10.31 m

TOTAL 3099.00 m

WT. OF D.C. 7 1000 dars

WT. OF STRING 80 1000 dars

DRILLERS SIGNATURE GARY PATRICK

BIT NO. 2D

SIZE (mm) 152.4

IADC CODE 5 3 7

MFG. REED

Type SL53A

SERIAL NO. MT8049

JETS (mm) 11.11.11.

DEPTH (m) 3072.00

DEPTH OUT (m)

TOTAL METER 27.00

TOTAL HOURS 3.00

INNER

OUTER

DULL

LOCATION

BEARINGS

GAGE(mm)

OTHER

REASON

R.O.P.

WATER BASED X OIL BASED

TIME 500 630

DENSITY kg/m3 1065 1045

FUNNEL VIS s/l 55 55

W.L. cm/ FILCK 9.0 7.0

PH 9.5 9.5

PVT m3 77.30 77.10

MUD MATERIALS USED

TYPE QTY UNITS

CAUSTIC 1 SX

BIOLOSE 3 SXS

STAFLO 1 SX

LIGNITE 1 SX

DEVIATION SURVEY

DEPTH (m) DEVIATION DIRECTION

3055.88 0.10 36.2

HRS. RUN PH STACK deg

8.00 10.5 260

MACP 15734

MAX HOOKLOAD 85

FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT. ON BIT

3072.00 3099.00 D 15 8

Circ. Press (kPa) PUMP NO. 1 PUMP NO. 2

11800 127.0 SPM 127.0 70 SPM

REDUCED PUMP SPEED

7200 @ 3082 @ 45

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

CENTRIFUGE

HOURS INTAKE OVERFLOW UNDERFLOW

2.00 1070 1010 2285

HOURS INTAKE OVERFLOW UNDERFLOW

PUMP PRESSURE OFF BOTTOM= 10600 kpa @ 70 spm.

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

BOILER BLOWN DOWN 3 TIMES.

RSPP FLOW RATE= 15%

DAY SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

Opr. WC
R.M. DL
WC DL
WC DL
WC DL
WC DL

YEAR 2002 MONTH 2 DAY 15
RIG NO.: 58
FUEL @ 08:00 HRS.
RIG 183 BOILER
WEATHER
TEMPERATURE 0
CONDITIONS OVERCAST
WIND DIRECTION CALM
ROAD CONDITION SNOW

WILBERT CALLIHOO

DAVE LAUCK

SAFETY TOPIC

working at heights

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve								
	339.7		320.4		81.10				K-55								502.00		NO. 2		TYPE DERRI		TYPE F.L.C																				
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS						YES		x		NO														
																			TOP				110		TOP		110																
																					MIDDLE				110		MIDDLE		110														
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		BOTTOM				110		BOTTOM		110															
121		69.40		DC		60		121		3.5IF		21		EMSCO		F-1000		254																									
89		23.10		E		66		89		3.5IF		246		EMSCO		F-1000		254																									
89		24.40		X		66		89		3.5IF		123																															
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	TOTAL																
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																						
MORN		3.00			0.50	4.00				0.25										0.25							8.00																
DAY		7.25					0.25			0.50																	8.00																
EVE		7.00								1.00																	8.00																
TOTAL		17.25			0.50	4.00	0.25			1.75										0.25							24.00																

NO. DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL																	
1	BIT/ MILLS	O.D. mm	0.20 m	BIT NO.	2D	WATER BASED		X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																		
1	STAB /SUB	149	0.20 m	SIZE (mm)	152.4	TIME	800		1500	1630	3099.00	3149.00	D	15	8	800	845	0.75	2	drill 3099m to 3101m																	
1	MOTOR	130	7.17 m			DENSITY kg/m3	1050		1050	1050								845	900	0.25	10	survey @ 3084.48m															
1	RSTRCTR/	129	0.77 m			FUNNEL VIS s/l	60		63	60								900	1245	3.75	2	drill 3101m to 3130m															
1	STAB	140	1.54 m			W.L. cm/ FILCK	8.5		7.5	8.0								1245	1300	0.25	10	survey @ 3113.01m															
1	X.O.	122	0.34 m	IADC CODE	5 3 7	MFG.	REED	Type	SL53A	PH	10.5	10.0	10.0	Circ. Press (kPa)	PUMP NO. 1 LINER(mm)	SPM	LINER(mm)	SPM	1300	1545	2.75	2	drill 3130m to 3149m														
1	MONEL	122	9.53 m																					p.v.t.	79.70		85.20	85.30	REDUCED PUMP SPEED				1545	1600	0.25	7	rig service / function bottom pipe rams 6sec. c/s checked RSPP
1	TRANS SUB	121	2.13 m																					MUD MATERIALS USED				5200	@	0	@	40					
1	MONEL	122	9.44 m																					TYPE				QTY	UNITS	SOLIDS CONTROL EQUIPMENT							
6	D.C.	119	54.68 m	GEL				35	SXS	DESILTER																											
1	JAR	123	3.89 m	SERIAL NO.	MT8049	CAUSTIC	2	SXS																													
15	D.C.	119	137.74 m																					DEPTH IN (m)				3072.00	CENTRIFUGE								
																								DEPTH OUT (m)					HOURS				INTAKE	OVERFLOW	UNDERFLOW		
																								TOTAL METER				77.00	HOURS				INTAKE	OVERFLOW	UNDERFLOW		
246	89mm E D		2344.06 m	TOTAL HOURS	10.25																																
	DRILLPIPE STANDS																							DEVIATION SURVEY				DEPTH (m)	DEVIATION	DIRECTION	BOILER PH				STACK deg		
59	DRILLPIPE SINGLES	564.55 m																						DRAG dan				2000 up 1	3113.01	0.40	220.3	HRS. RUN				10.5	265
																								TORQUE				190	MACP				19112				
	WT. OF D.C.	7	1000 dan	FILL m	0.00																																
	WT. OF STRING	82	1000 dan																					DRILLERS SIGNATURE				ALLAN LICKOCH	MAX HOOKLOAD				85				

LICENCE NO. : **1935**

LICENCE NO. : **1935**

WELL NAME AND NO. :

PARAMOUNT ANADARKO BOVIE F-66

OPERATOR :

PARAMOUNT RESOURCES LTD.

CONTRACTOR:

AKITA DRILLING LTD.

SURFACE LOCATION.

60:15:19.82 122

UNIQUE I.D. :

300F66020122450

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

**CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE
& CORRECT TO THE BEST OF MY ABILITY)**

WILBERT CALLIHOO

DAVE LAUCK

SAFETY TOPIC

P.P.E.

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve			
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI	TYPE F.L.C																	
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				YES	X	NO													
																			TOP 110		TOP 110																	
																			MIDDLE 110		MIDDLE 110																	
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		BOTTOM 110		BOTTOM 110																
121		69.40		DC		60		121		3.5IF		21		EMSCO		F-1000		254																				
89		23.10		E		66		89		3.5IF		246		EMSCO		F-1000		254																				
89		24.40		X		66		89		3.5IF		123								110		110																
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	TOTAL											
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR/RIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																	
MORN		3.00			0.50	4.00				0.25										0.25						8.00												
DAY		7.25					0.25			0.50																8.00												
EVE		7.00								1.00																8.00												
TOTAL		17.25			0.50	4.00	0.25			1.75										0.25						24.00												

[illegible]

[illegible]

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO. : 58 FUEL @ 08:00 HRS.	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		RIG 213 BOILER WEATHER TEMPERATURE 3 CONDITIONS WIND DIRECTION CALM ROAD CONDITION WET	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450					
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)					

SAFETY TOPIC

STOP CARDS.

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve				
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI	TYPE F.L.C																		
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				X	1/2	1/2	ON													
	DC . DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH		TOP 110		TOP 110																
	178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254		MIDDLE 110		MIDDLE 110																
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254		BOTTOM 110		BOTTOM 110																	
127		29.02		E2		94		127		4.5 IF		144																											
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	TOTAL												
OPER.	GROUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOOS	RUN CSG. & CEMENT	WAIT ON CEMENT	HI PPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	DRILL OUT	LEAK OFF T	B.O.P. DRIL	FLOW CHE	SHUT IN WS													
MORN		0.50													5.50							2.00					8.00												
DAY		4.25			1.25		0.25			0.50													1.50	0.25			8.00												
EVE		3.25					0.25			0.25															0.50	3.75	8.00												
TOTAL		8.00			1.25		0.50			0.75					5.50							2.00	1.50	0.25	0.50	3.75	24.00												

[illegible]

EVENING SHIFT

LICENCE NO. : 1935	WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66	(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines	OPR. WC R.M. GE YEAR 2002 MONTH 2 DAY 13 RIG NO.: 58 FUEL @ 08:00 HRS. RIG 213 BOILER TEMPERATURE 3 CONDITIONS WIND DIRECTION CALM ROAD CONDITION WET
OPERATOR : PARAMOUNT RESOURCES LTD. SURFACE LOCATION : 60:15:19.82 122		CONTRACTOR : AKITA DRILLING LTD. UNIQUE I.D. : 300F66020122450	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	

WILBERT CALLIHOO															SAFETY TOPIC										KICK SITUATIONS																	
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve							
	339.7		320.4		81.10				K-55								502.00		NO. 2		TYPE DERRI		TYPE F.L.C																			
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				X		YES		NO															
																			TOP				110		TOP		110															
																					MIDDLE				110		MIDDLE		110													
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMPTYPE		STROKE LTH.		BOTTOM				110		BOTTOM		110														
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254																								
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254																								
127		29.02		E2		94		127		4.5 IF		144																														
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	TOTAL															
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	DRILL OUT	LEAK OFF	B.O.P. DRIL	FLOW CHECK	SHUT IN WE																
MORN		0.50													5.50							2.00						8.00														
DAY		4.25			1.25		0.25			0.50													1.50	0.25				8.00														
EVE		3.25					0.25			0.25															0.50	3.75		8.00														
TOTAL		8.00			1.25		0.50			0.75					5.50							2.00	1.50	0.25	0.50	3.75		24.00														

NO. DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL							
1	BIT/ MILLS	O.D. mm	0.20	m	BIT NO.	6		WATER BASED ☐		OIL BASED ☐		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE							
1	STAB /SUB	149	0.20	m	SIZE (mm)	152.4		TIME	2100	2300		2942.00	2980.00	D	20	8	1600	1700	1.00	2	DRILL 152.4mm HOLE FROM 2942m.-T/ 2957m.						
1	MOTOR	130	7.17	m				DENSITY kg/m3	1010	1050							1700	1715	0.25	10	DEV. SURVEY @ 2940.81m. INC= 0.4 AZ= 86.6						
1	RSTRCTR/	129	0.77	m	IADC CODE	5 3 7		FUNNEL VIS s/l	37	46							1715	1800	0.75	2	DRILL FROM 2957m.-T/ 2967m.						
1	STAB	140	1.54	m	MFG.	HUGHES		W.L. cm/ FILCK									1800	1815	0.25	25	FLOW CHECK.						
1	X.O.	122	0.34	m	Type	STX-30		PH				Circ Press (kPa)	PUMP NO. 1 LINER(mm) SPM		PUMP NO. 2 LINER(mm) SPM		1815	2015	2.00	26	SHUT IN WELL. READ & RECORD PRESSURES. ; MIX GEL& BARITE						
1	MONEL	122	9.44	m	SERIAL NO.	5006340						10500	127.0		127.0	70	2015	2200	1.75	26	CIRC THRU CHOKE MIX GEL & BARITE						
6	D.C.	119	54.68	m	JETS (mm)	12 12 9.5		MUD MATERIALS USED				REDUCED PUMP SPEED					2200	2215	0.25	25	FLOW CHECK						
1	JAR	123	3.89	m	DEPTH IN (m)	2870.00		TYPE		QTY	UNITS	SOLIDS CONTROL EQUIPMENT					2215	2330	1.25	2	DRILL F/ 2967m - T/2976m						
15	D.C.	119	137.74	m	DEPTH OUT (m)							DESILTER					2330	2345	0.25	7	RIG SERVICE F/ BOTH SETS OF PIPE RAMS & HCR; BLOW OUT MANIFOLD LINES						
	BHA= 227.6			m	TOTAL METER	110.00						CENTRIFUGE					2345	2400	0.25	2	DRILL F/ 2976m - T/2980m						
				m	TOTAL HOURS	8.00																					
96	DRILLPIPE STANDS			m	INNER	OUTER	DULL	LOCATION	BEARINGS	GAGE(mm)	OTHER	REASON	R.O.P.	DEVIATION SURVEY													
	DRILLPIPE SINGLES	2745.72m		m	DEPTH (m)	DEVIATION	DIRECTION					BOILER															
	WT. OF D.C.	7000		1000 dan	2940.81	0.40	86.6					HRS. RUN	PH	STACK deg							Notes: CHECKED CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR						
	WT. OF STRING	77		1000 dan								8.00	10.5	260							BLEW DOWN BOILER 3 TIMES						
												MACP				19112						AMJ=11292; TMJ=385134					
												MAX HOOKLOAD				90											
DRILLERS SIGNATURE				DON BLAYONE																							

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		WC GF WC GF WC GF WC GF		NO RS... FUEL @ 08:00 HRS.	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		RIG 234 BOILER		WEATHER	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450				GF GF		TEMPERATURE -1 CONDITIONS WIND DIRECTION CALM ROAD CONDITION SLIPPERY	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)							

CLEANING TANKS

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve				
	339.7		320.4		81.10				K-55								502.00		NO. 2 TYPE DERRI TYPE F.L.C																						
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				YES		ON																
	DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 50		TOP 84																		
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254		MIDDLE 50		MIDDLE 84																			
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254		BOTTOM 50		BOTTOM 84																			
127		29.02		E2		94		127		4.5 IF		144																													
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	TOTAL														
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRUG LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIIPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	MANIFOLD	CLEAN TAN	FILL TANKS																	
MORN						7.00																1.00				8.00															
DAY						8.00																				8.00															
EVE						1.50									0.50								4.00	2.00		8.00															
TOTAL						16.50									0.50							1.00	4.00	2.00		24.00															

[illegible]

DAY SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection

(2) Detailed Inspection - Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

Opr. WC

R.M. GF

WC GF

WC GF

WC GF

WC GF

WC GF

YEAR 2002

MONTH 2

DAY 12

RIG NO.:

FUEL @ 08:00 HRS.

RIG 234

BOILER

WEATHER

TEMPERATURE -1

CONDITIONS

WIND DIRECTION CALM

ROAD CONDITION SLIPPERY

SAFETY TOPIC

PICK UP PIPE

WILBERT CALLIHOO

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																	
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				YES	NO															
DC. DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 50		TOP 84																	
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254		MIDDLE 50		MIDDLE 84																	
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254		BOTTOM 50		BOTTOM 84																	
127		29.02		E2		94		127		4.5 IF		144																											
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	TOTAL												
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	MANIFOLD	CLEAN TAN	FILL TANKS															
MORN						7.00																1.00					8.00												
DAY						8.00																					8.00												
EVE						1.50									0.50								4.00	2.00			8.00												
TOTAL						16.50									0.50							1.00	4.00	2.00			24.00												

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/ MILLS O.D. mm 0.20 m

1 STAB /SUB 149 0.20 m

1 MOTOR 130 7.17 m

1 RSTRCTR/ 129 0.77 m

1 STAB 140 1.54 m

1 X.O. 122 0.34 m

1 MONEL 122 9.53 m

1 TRANS SUB 121 2.13 m

1 MONEL 122 9.44 m

6 D.C. 119 54.68 m

1 JAR 123 3.89 m

15 D.C. 119 137.74 m

BHA= 227.6 m

246 3.5" E 89 2344.05 m

30 DRILLPIPE STANDS 286.95 m

DRILLPIPE SINGLES m

KELLY DOWN m

TOTAL 2858.63 m

WT. OF D.C. 7000 1000 dan

WT. OF STRING 73 1000 dan

DRILLERS SIGNATURE GARY PATRICK

BIT NO. 6

SIZE (mm) 152.4

IADC CODE 5 3 7

MFG. HUGHES

Type STX-30

SERIAL NO. 5006340

JETS (mm) 12,12,9.5

DEPTH IN (m) 2870.00

DEPTH OUT (m)

TOTAL METER

TOTAL HOURS

INNER

OUTER

DULL

LOCATION

BEARINGS

GAGE(mm)

OTHER

REASON

R.O.P.

WATER BASED

OIL BASED X

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/v

FILCK

PH

PVT m3

MUD MATERIALS USED

TYPE QTY UNITS

DEVIATION SURVEY

DEPTH (m) DEVIATION DIRECTION

FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT. ON BIT

2870.00

Circ. Press (kPa)

PUMP NO. 1 LINER(mm) SPM

PUMP NO. 2 LINER(mm) SPM

127.0 127.0

REDUCED PUMP SPEED

@ @

SOLIDS CONTROL EQUIPMENT

DESILTER HOURS INTAKE OVERFLOW UNDERFLOW

CENTRIFUGE HOURS INTAKE OVERFLOW UNDERFLOW

HOURS INTAKE OVERFLOW UNDERFLOW

HOURS INTAKE OVERFLOW UNDERFLOW

HRS. RUN BOILER PH STACK deg

8.00 10.5 260

MACP 0

MAX HOOKLOAD

FROM TO ELAPSED TIME CODE

800 1600 8.00 6

PICK UP 3.5" DRILL PIPE.

Notes: CHECKED CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

BOILER BLOWN DOWN 3 TIMES.

EVENING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

Opr: WC
R.M: GF
WC: GF
WC: GF
WC: GF
WC: GF
WC: GF

YEAR 2002
MONTH 2
DAY 12

RIG NO.:
FUEL @ 08:00 HRS.
RIG 234
BOILER

GF
GF
GF

TEMPERATURE -1
CONDITIONS
WIND DIRECTION CALM
ROAD CONDITION SLIPPERY

SAFETY TOPIC

MUD CHEMICALS

WILBERT CALLIHOO

LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)		RENTALS / SERVICES														Morn	Day	Eve			
	339.7	320.4	81.10		K-55				502.00	NO. 2	TYPE DERRI	TYPE F.L.C																			
	244.5	226.5	53.57	IPSCO	J-55	85	1099.60	7.00	1098.50	CHANGE SCREENS		YES																			
DC. DP SIZE		KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	TOP	50	TOP	84																	
178	159.10	DC	74	178	5H-90	26	EMSCO		F-1000	254	MIDDLE	50	MIDDLE	84																	
127	74.35	HWDP	78	127	4.5 IF	26	EMSCO		F-1000	254	BOTTOM	50	BOTTOM	84																	
127	29.02	E2	94	127	4.5 IF	144																									
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	TOTAL				
OPER.	GROUP & 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.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	MANIFOLD	CLEAN TAN	FILL TANKS							
MORN						7.00																1.00						8.00			
DAY						8.00																						8.00			
EVE						1.50								0.50									4.00	2.00				8.00			
TOTAL						16.50								0.50								1.00	4.00	2.00				24.00			

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/ MILLS 0.20 m

1 STAB/ SUB 149 0.20 m

1 MOTOR 130 7.17 m

1 RSTRCTR/ 129 0.77 m

1 STAB 140 1.54 m

1 X.O. 122 0.34 m

1 MONEL 122 9.53 m

1 TRANS SUB 121 2.13 m

1 MONEL 122 9.44 m

6 D.C. 119 54.68 m

1 JAR 123 3.89 m

15 D.C. 119 137.74 m

BHA= 227.6 m

246 3.5" E 89 2344.05 m

30 DRILLPIPE STANDS 286.95 m

DRILLPIPE SINGLES

KELLY DOWN

TOTAL 2858.63 m

WT. OF D.C. 7000 1000 dan

WT. OF STRING 73 1000 dan

DRILLERS SIGNATURE DON BLAYONE

BIT NO. 6

SIZE (mm) 152.4

IADC CODE 5 3 7

MFG. HUGHES

Type STX-30

SERIAL NO. 5006340

JETS (mm) 12 12 9.5

DEPTH IN (m) 2870.00

DEPTH OUT (m)

TOTAL METER

TOTAL HOURS

INNER

OUTER

DULL

LOCATION

BEARINGS

GAGE (mm)

OTHER

REASON

R.O.P.

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

HRS. RUN

BOILER PH

STACK deg

MACP

MAX HOOKLOAD 85

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

FROM

TO

ELAPSED TIME

CODE

1600 1730 1.50 6

1730 2130 4.00 23

2130 2330 2.00 24

2330 2400 0.50 15

REDUCED PUMP SPEED

@ 0 @

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HRS. RUN

BOILER PH

STACK deg

MACP

MAX HOOKLOAD 85

PICK UP 3.5" DRILL PIPE

CLEAN MUD TANKS.

FILL MUD TANKS & ADD CHEMICALS

PRESSURE TEST UPPER PIPE RAMS;INSIDE KILL & CHOKE LINES

1500 LOW; 20,000 HIGH; 10 MIN. EACH

Notes: CHECKED CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR

BLEW DOWN BOILER 3 TIMES

AMJ=10638; TMJ=384480

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Slaked

(6) BOP Drills Performed

(7) Visually Insped BOP's - Flarelines & Degasser Lines

(1) Rig Site Health and Safety Meeting (one/crew/month)

(2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kills Checked

Opr. WC

R.M. GF

WC

GF

WC

GF

WC

GF

WC

GF

WC

GF

YEAR 2002

MONTH 2

DAY 11

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 96

BOILER

GF

GF

GF

GF

WEATHER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

WILBERT CALLIHOO

SAFETY TOPIC

WORK @ HIEGHTS

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																	
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS																				
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 50		TOP 84																	
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254		MIDDLE 50		MIDDLE 84																	
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254		BOTTOM 50		BOTTOM 84																	
127		29.02		E2		94		127		4.5 IF		144																											
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	TOTAL												
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	RIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	RIG FOR 3.5																	
MORN														1.50								6.50					8.00												
DAY																						8.00					8.00												
EVE						5.75														1.75		0.50					8.00												
TOTAL						5.75								1.50						1.75		15.00					24.00												

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS

O.D. mm

m

BIT NO.

SIZE (mm)

m

IADC CODE

m

MFG.

m

Type

m

SERIAL NO.

m

JETS (mm)

m

DEPTH IN (m)

m

DEPTH OUT (m)

m

TOTAL METER

m

TOTAL HOURS

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KELLY DOWN

m

TOTAL

m

WT. OF D.C.

1000 dan

DRAG dan

WT. OF STRING

1000 dan

FILL m

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

HRS. RUN

BOILER PH

STACK deg

MACP

MAX HOOKLOAD

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

FROM

TO

ELAPSED TIME

CODE

0

130

1.50

14

130

800

6.50

22

800

PUMP NO. 1

PUMP NO. 2

LINER(mm)

SPM

LINER(mm)

SPM

127.0

127.0

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

Notes: CHECKED CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR

BLEW DOWN BOILER 3 TIMES

ACC. 33 CM.

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Preformed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		58 FUEL @ 08:00 HRS. RIG 96 BOILER	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		WC GF WC GF WC GF WC GF	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450				GF GF	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)				WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION	

UNLOADING PIPE

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve
	339.7		320.4		81.10				K-55								502.00		NO. 2 TYPE DERRI TYPE F.L.C																
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS																
																			TOP 50 TOP 84																
																			MIDDLE 50 MIDDLE 84																
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		BOTTOM 50 BOTTOM 84															
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254																	
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254																	
127		29.02		E2		94		127		4.5 IF		144																							
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	TOTAL								
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUTOFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	RIG FOR 3.5													
MORN														1.50								6.50				8.00									
DAY																						8.00				8.00									
EVE						5.75														1.75		0.50				8.00									
TOTAL						5.75								1.50						1.75		15.00				24.00									

[illegible]

EVENING SHIFT

LICENCE NO. : 1935	WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66	(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Preformed (7) Visually Inspect BOP's - Flarelines & Degasser Lines	OPR. WC GF R.M. WC GF YEAR 2002 MONTH 2 DAY 11 RIG NO. 58 FUEL @ 08:00 HRS. RIG 96 BOILER WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : AKITA DRILLING LTD.	(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked	
SURFACE LOCATION : 60:15:19.82 122	UNIQUE I.D. : 300F66020122450		
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	

WILBERT CALLIHOO	SAFETY TOPIC	PICKING UP PIPE
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LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																	
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				YES NO																
																			TOP 50		TOP 84																		
																			MIDDLE 50		MIDDLE 84																		
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		BOTTOM 50		BOTTOM 84																	
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254																					
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254																					
127		29.02		E2		94		127		4.5 IF		144																											
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	TOTAL												
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUTOFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	RIG FOR 3.5																	
MORN														1.50								6.50					8.00												
DAY																						8.00					8.00												
EVE						5.75														1.75		0.50					8.00												
TOTAL						5.75								1.50						1.75		15.00					24.00												

DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD										MUD RECORD										METERS DRILLED										TIME LOG										TIME DETAIL									
NO.	BIT/ MILLS	O.D.mm	0.20	m	BIT NO.	6				WATER BASED	OIL BASED	FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																																							
1	STAB /SUB	149	0.20	m	SIZE (mm)	152.4				TIME		2870.00					1600	1630	0.50	22	CLEAN SHAKER TANK. CENTRIFUGE MUD																																						
1	MOTOR	130	7.17	m						DENSITY kg/m3							1630	2015	3.75	6	PICK UP 4 3/4" DRILL COLLARS. & MAKE UP KELLY																																						
1	RSTRCTR/ F	129	0.77	m	IADC CODE	5 3 7				FUNNEL VIS s/l							2015	2045	0.50	6	RACK COLLARS IN DERRICK																																						
1	STAB	140	1.54	m						W.L cm/ FILCK							2045	2230	1.75	20	PICK UP DIR. TOOLS																																						
1	X.O.	122	0.34	m	MFG.	HUGHES				PH							2230	2400	1.50	6	RUN IN D.C.'S																																						
1	MONEL	122	9.53	m	Type	STX-30																																																					
1	TRANS SUB	121	2.13	m	SERIAL NO.	5006340																																																					
1	MONEL	122	9.44	m																																																							
6	D.C.	119	54.68	m	JETS (mm)	12 12 9.5																																																					
1	JAR	123	3.89	m																																																							
15	D.C.	119	137.74	m																																																							
				m	DEPTH IN (m)	2870.00																																																					
				m	DEPTH OUT (m)																																																						
				m	TOTAL METER																																																						
				m	TOTAL HOURS																																																						
	DRILLPIPE STANDS			m	INNER	OUTER	DULL	LOCATION	BEARINGS	GAGE(mm)	OTHER	REASON	R.O.P.																																														
	DRILLPIPE SINGLES			m																																																							
	KELLY DOWN			m																																																							
	TOTAL	227.63		m																																																							
	WT. OF D.C.		1000	dan	DRAG dan																																																						
	WT. OF STRING		1000	dan	TORQUE												8.00	10.5		270																																							
			1000	dan	FILL m																																																						
DRILLERS SIGNATURE DON BLAYONE																				MACP																																							
																				MAX HOOKLOAD 30																																							
																				BOILER HRS. RUN PH STACK deg										Notes: CHECKED CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR																													
																														BLEW DOWN BOILER 3 TIMES																													
																														AMJ=8440; TMJ=382282																													

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

OPR

R.M

WC

GF

WC

GF

WC

GF

WC

GF

WC

GF

YEAR 2002

MONTH 2

DAY 10

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 143

BOILER

GF

WEATHER

TEMPERATURE -20

CONDITIONS LT. WIND

WIND DIRECTION N.W.

ROAD CONDITION ICE

WILBERT CALLIHOO

GARY FORTH

SAFETY TOPIC

RUN CASING

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C															
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				☐ YES ☒ NO														
																							☐ YES ☒ NO														
																							☐ YES ☒ NO														
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 50		TOP 84															
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254		MIDDLE 50		MIDDLE 84															
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254		BOTTOM 50		BOTTOM 84															
127		29.02		E2		94		127		4.5 IF		144																									
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	TOTAL										
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPLLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	SET CASING															
MORN					3.00							5.00															8.00										
DAY					1.00							4.00									0.25	2.75					8.00										
EVE														5.00	1.00								2.00				8.00										
TOTAL					4.00							9.00		5.00	1.00						0.25	2.75	2.00				24.00										

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MLLS

O.D. mm

m

BIT NO.

SIZE (mm)

m

IADC CODE

m

MFG.

m

Type

m

SERIAL NO.

m

JETS (mm)

m

DEPTH IN (m)

m

DEPTH OUT (m)

m

TOTAL METER

m

TOTAL HOURS

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KELLY DOWN

m

TOTAL

m

WT. OF D.C.

1000 dan

DRAG dan

WT. OF STRING

1000 dan

TORQUE

dan

FILL m

DRILLERS SIGNATURE

DON BLAYONE

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/1

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

Circ Press (kPa)

PUMP NO. 1

SPM

PUMP NO. 2

SPM

REDUCED PUMP SPEED

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

BOILER

HRS. RUN

PH

STACK deg

MACP

8569

MAX HOOKLOAD

105

FROM

TO

ELAPSED TIME

CODE

0

500

5.00

12

500

800

3.00

5

Notes: CHECKE CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR

BLEW DOWN BOILER 3 TIMES

ACC. .36

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) WC GF WC GF WC GF WC GF (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO. : 58 FUEL @ 08:00 HRS. RIG 143 BOILER	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		GF WEATHER TEMPERATURE -20 CONDITIONS LT. WIND WIND DIRECTION N.W. ROAD CONDITION I/C	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450					
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)					

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection-Weekly (Using Check List)
- (3) H2S Signs Posted(If Required)
- (4) Well License & Stick Diagram Posted
- (5) Flame Lines Staked
- (6) BOP Drills Performed
- (7) Visually inspect BOP's - Flarelines & Degasser Lines
- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A., O.D.C. Rig Safety Inspection Checklist(one/rig/month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kilts Checked

OPR.	R.M.	YEAR	2002	MONTH	2	DAY	10
WC	GF	RIG NO.: 58					
WC	GF	FUEL @ 08:00 HRS.					
WC	GF	RIG 143				BOILER	
WC	GF						
	GF	WEATHER	TEMPERATURE -20				
			CONDITIONS LT. WIND				
			WIND DIRECTION N.W.				
	GF		ROAD CONDITION ICE				

GARY FORTH

SAFETY TOPIC

CEMENT CASING

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve	
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI	TYPE F.L.C															
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS																	
																			TOP 50	TOP 84																
																			MIDDLE 50	MIDDLE 84																
DC . DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		BOTTOM 50		BOTTOM 84														
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254																		
127		74.35		HWD P		78		127		4.5 IF		26		EMSCO		F-1000		254																		
127		29.02		E2		94		127		4.5 IF		144								50		84														
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	TOTAL									
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	SET CASING														
MORN					3.00							5.00														8.00										
DAY					1.00							4.00									0.25	2.75				8.00										
EVE														5.00	1.00								2.00			8.00										
TOTAL					4.00							9.00		5.00	1.00						0.25	2.75	2.00			24.00										

[illegible]

EVENING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

Op: WC
WC
WC
WC
WC
WC

R.M: GF
GF
GF
GF
GF
GF

YEAR 2002
MONTH 2
DAY 10

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 143
BOILER

TEMPERATURE -20
CONDITIONS LT. WIND
WIND DIRECTION N.W.
ROAD CONDITION ICE

GF
GF
GF

WILBERT CALLIHOO

GARY FORTH

SAFETY TOPIC

HAMMER WRENCHES

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)			RENTALS / SERVICES												Morn	Day	Eve		
	339.7		320.4	81.10		K-55				502.00	NO. 2	TYPE DERRI	TYPE F.L.C																	
	244.5		226.5	53.57	IPSCO	J-55	85	1099.60	7.00	1098.50																				
											CHANGE SCREENS			YES	NO															
												TOP 50		TOP 84																
											MIDDLE 50		MIDDLE 84																	
											BOTTOM 50		BOTTOM 84																	
DC. DP SIZE	KG / M	GRADE	MIN.ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER			PUMP TYPE	STROKE LTH.																			
178	159.10	DC	74	178	5H-90	26	EMSCO			F-1000	254																			
127	74.35	HWDP	78	127	4.5 IF	26	EMSCO			F-1000	254																			
127	29.02	E2	94	127	4.5 IF	144																								
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	TOTAL			
OPER.	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.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	SET CASING								
MORN					3.00							5.00														8.00				
DAY					1.00							4.00									0.25	2.75				8.00				
EVE														5.00	1.00								2.00			8.00				
TOTAL					4.00							9.00		5.00	1.00						0.25	2.75	2.00			24.00				

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT/ MILLS

O.D. mm

m

BIT NO.

SIZE (mm)

m

IADC CODE

m

MFG.

m

Type

m

SERIAL NO.

m

JETS (mm)

m

DEPTH IN (m)

m

DEPTH OUT (m)

m

TOTAL METER

m

TOTAL HOURS

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KELLY DOWN

m

TOTAL

m

D.C.

1000 dan

DRAG dan

WT. OF STRING

1000 dan

TORQUE

FILL m

DRILLERS SIGNATURE

DON BLAYONE

DEPTH (m)

DEVIATION

DIRECTION

HRS. RUN

BOILER PH

STACK deg

MACP

MAX HOOKLOAD

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

DEVIATION SURVEY

HOURS

INTAKE

OVERFLOW

UNDERFLOW

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

FROM

TO

ELAPSED TIME

CODE

1600

1800

2.00

23

CUT & DRESS CASING.

1800

2300

5.00

14

NIPPLE UP B.O.P.

2300

2400

1.00

15

PRESSURE TEST BLIND RAMS; CASING & FLOAT

300 LOW; 15000 HIGH ; 10 MIN. EACH TEST

Notes: CHECKED CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR

BLEW DOWN BOILER 3 TIMES

AMJ=8040; TMJ=381882

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RG NO.: 58 FUEL @ 08:00 HRS. RG 173 BOILER	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		WEATHER TEMPERATURE -20 CONDITIONS WIND DIRECTION NORTH ROAD CONDITION SLIPPERY	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450					
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET. TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)					

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve			
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI	TYPE F.L.C																	
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				1	2														
DC. DP SIZE	KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 50		TOP 84																	
178	159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254		MIDDLE 50		MIDDLE 84																	
127	74.35		HWD		78		127		4.5 IF		26		EMSCO		F-1000		254		BOTTOM 50		BOTTOM 84																	
127	29.02		E2		94		127		4.5 IF		144																											
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	TOTAL											
OPER.	GROUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CRIC.	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.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	BREAK KEL	PREP FOR C															
MORN					2.75	5.00															0.25						8.00											
DAY						4.75															0.25	0.50	2.50				8.00											
EVE												7.50									0.50						8.00											
TOTAL					2.75	9.75						7.50									1.00	0.50	2.50				24.00											

[illegible]

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

WILBERT CALLIHOO

SAFETY TOPIC

WORKING AT HIEGHTS

LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)			RENTALS / SERVICES													Morn	Day	Eve		
	339.7	320.4	81.10		K-55				502.00	NO. 2	TYPE DERRI	TYPE F.L.C																		
	244.5	226.5	53.57	IPSCO	J-55	85	1099.60	7.00	1098.50	CHANGE SCREENS			YES	NO																
										TOP 50	TOP 84																			
DC. DP SIZE	KG / M	GRADE	MIN.ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	MIDDLE 50	MIDDLE 84																			
178	159.10	DC	74	178	5H-90	26	EMSCO	F-1000	254																					
127	74.35	HWDP	78	127	4.5 IF	26	EMSCO	F-1000	254																					
127	29.02	E2	94	127	4.5 IF	144				BOTTOM 50	BOTTOM 84																			

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	TOTAL
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRUG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING						
MORN											8.00															8.00	
DAY											8.00															8.00	
EVE						5.50	0.25		0.75		1.50															8.00	
TOTAL						5.50	0.25		0.75		17.50															24.00	

NO.	DRILLING ASSEMBLY (AT END OF TOUR)			BIT RECORD			MUD RECORD			METERS DRILLED			TIME LOG			TIME DETAIL					
1	BIT / MBLLS	O.D. mm	0.27	m	BIT NO.	5	WATER BASED ☐ OIL BASED ☒			FROM	TO	DRILL / REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE			
1	BIT SUB	171	1.23	m	SIZE (mm)		TIME			2870.00					0	800	8.00	11	WIRE LINE LOG #1; HDIL; MAC; ZDL; CN; GR; XY		
9	D.C.	178	84.90	m	IADC CODE		DENSITY kg/m3														
1	JAR	175	5.04	m	MFG.		FUNNEL VIS s/l														
12	D.C.	178	113.74	m	Type		W.L. cm/ FILCK														
1	X.O.	156	1.20	m	SERIAL NO.		PH														
12	H.W.D.P.	127	109.98	m	JETS (mm)		PVT m3														
	BHA=316.36			m	DEPTH IN (m)	2870.00	MUD MATERIALS USED														
				m	DEPTH OUT (m)		TYPE QTY UNITS														
				m	TOTAL METER		SOLIDS CONTROL EQUIPMENT														
				m	TOTAL HOURS		DESILTER														
87	DRILLPIPE	STANDS		m			HOURS INTAKE OVERFLOW UNDERFLOW														
2	DRILLPIPE	SINGLES		m			CENTRIFUGE														
	KELLY DOWN			m			HOURS INTAKE OVERFLOW UNDERFLOW														
	TOTAL	316.36		m			DEVIATION SURVEY														
	WT. OF D.C.	35		1000 dan	DRAG dan		DEPTH (m) DEVIATION DIRECTION														
	WT. OF STRING	127		1000 dan	TORQUE		HRS. RUN PH STACK deg			8.00	10.5	260	Notes: CHECKED CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR								
					FILL m		MACP 8659						BLEW DOWN BOILER 3 TIMES								
							MAX HOOKLOAD														

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

(1) Rig Site Health and Safety Meeting (one/crew/month)

(2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kills Checked

Opr. WC GF

R.M. GF GF

YEAR 2002

MONTH 2

DAY 8

RIG NO. 58

FUEL @ 08:00 HRS.

RIG 154

BOILER

TEMPERATURE -25

CONDITIONS LT. BREEZE

WIND DIRECTIONS W.

ROAD CONDITION ICE

DAY SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

Opr. WC GF
WC GF
WC GF
WC GF
WC GF
WC GF

R.M. GF
GF
GF
GF
GF
GF

YEAR 2002 MONTH 2 DAY 8

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 154 BOILER

TEMPERATURE -25

CONDITIONS LT BREEZE

WIND DIRECTION S.W

ROAD CONDITION ICE

SAFETY TOPIC

FALL ARREST.

LAST CASING TUBING OR LINER		O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)		RENTALS / SERVICES													Morn	Day	Eve															
		339.7	320.4	81.10		K-55				502.00	NO. 2	TYPE DERRI	TYPE F.L.C																														
		244.5	226.5	53.57	IPSCO	J-55	85	1099.60	7.00	1098.50																																	
												CHANGE SCREENS																															
												TOP																															
												50																															
												MIDDLE																															
												50																															
												BOTTOM																															
												50																															
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.																																
178	159.10	DC	74	178	5H-90	26	EMSCO		F-1000		254																																
127	74.35	HWDP	78	127	4.5 IF	26	EMSCO		F-1000		254																																
127	29.02	E2	94	127	4.5 IF	144																																					
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	TOTAL																
OPER.	GROUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																						
MORN											8.00																8.00																
DAY											8.00																8.00																
EVE						5.50	0.25		0.75		1.50																8.00																
TOTAL						5.50	0.25		0.75		17.50																24.00																

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT/MILLS

O.D.mm

m

BIT NO.

m

SIZE (mm)

m

IADC CODE

m

MFG.

m

Type

m

SERIAL NO.

m

JETS (mm)

m

DEPTH IN (m)

m

DEPTH OUT (m)

m

TOTAL METER

m

TOTAL HOURS

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KEY DOWN

m

TOTAL

m

WT. OF D.C.

1000 dan

TORQUE

1000 dan

WT. OF STRING

1000 dan

FILL m

DRILLERS SIGNATURE

GARY PATRICK

WATER BASED

OIL BASED

X

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L cm/ FILCK

PH

PVT m3

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

HRS. RUN

BOILER PH

STACK deg

MACP

8659

MAX HOOKLOAD

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

FROM

TO

ELAPSED TIME

CODE

2870.00

800

1000

2.00

11

1000

1600

6.00

11

1600

Circ. Press (kPa)

PUMP NO. 1

PUMP NO. 2

LINER(mm)

SPM

LINER(mm)

SPM

152.0

127.0

REDUCED PUMP SPEED

@

0

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

Notes: CHECKED CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE

BOILER BLOWN DOWN 3 TIMES.

EVENING SHIFT

LICENCE NO. : 1935	WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66	(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines (1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A., O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked	OPR. WC GF R.M. WC GF YEAR 2002 MONTH 2 DAY 8 RIG NO.: 58 FUEL @ 08:00 HRS. RIG 154 BOILER WEATHER GF TEMPERATURE 25 CONDITIONS LT. BREEZE WIND DIRECTION S.W. ROAD CONDITION ICE
OPERATOR : PARAMOUNT RESOURCES LTD. SURFACE LOCATION : 60:15:19.82 122		CONTRACTOR : AKITA DRILLING LTD. UNIQUE I.D. : 300F66020122450	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	

WILBERT CALLIHOO	SAFETY TOPIC	TRIPPING
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LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve			
	339.7		320.4	81.10		K-55				502.00	NO. 2	TYPE DERRI		TYPE F.L.C																		
	244.5		226.5	53.57	IPSCO	J-55	85	1099.60	7.00	1098.50	CHANGE SCREENS					YES	NO															
	DC. DP SIZE		KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER		PUMP TYPE	STROKE LTH.		TOP 50		TOP 84																
178		159.10	DC	74	178	5H-90	26	EMSCO		F-1000	254		MIDDLE 50		MIDDLE 84																	
127		74.35	HWDP	78	127	4.5 IF	26	EMSCO		F-1000	254		BOTTOM 50		BOTTOM 84																	
127		29.02	E2	94	127	4.5 IF	144																									
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	TOTAL					
OPER.	GROUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING											
MORN											8.00																8.00					
DAY											8.00																8.00					
EVE						5.50	0.25		0.75		1.50																8.00					
TOTAL						5.50	0.25		0.75		17.50																24.00					

NO. DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL							
1	BIT/ MILLS	O.D. mm	0.27 m	BIT NO.	5			WATER BASED		OIL BASED			FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE						
1	BIT SUB	171	1.23 m	SIZE (mm)	222.3			TIME					2870.00					1600	1730	1.50	11	WIRE LINE LOGS. LAY DOWN TOOLS & RIG OUT LOGGERS.					
9	D.C.	178	84.90 m					DENSITY kg/m3										1730	2045	3.25	6	MAKE UP BIT & RUN IN HOLE.					
1	JAR	175	5.04 m	IADC CODE	5 2 7			FUNNEL VIS s/l										2045	2100	0.25	7	RIG SERVICE F/ LOWER PIPE RAMS C/ 5 SEC.					
12	D.C.	178	113.74 m					W.L. cm/ FILCK										2100	2145	0.75	9	SLIP & CUT 20m DRILL LINE					
1	X.O.	156	1.20 m	MFG.	REED			PH										2145	2400	2.25	6	R.I.H. FILL PIPE EVERY 500m					
12	H.W.D.P.	127	109.98 m	Type	HP52A													2400									
	BHA=316.36			SERIAL NO.	ED7614																						
				JETS (mm)	12 12 12																						
				DEPTH IN (m)	2870.00																						
				DEPTH OUT (m)																							
				TOTAL METER																							
				TOTAL HOURS																							
87	DRILLPIPE	STANDS																									
2	DRILLPIPE	SINGLES																									
	KEY DOWN																										
	TOTAL	316.36																									
	WT. OF D.C.	35		1000 dan	DRAG dan																						
	WT. OF STRING	127		1000 dan	TORQUE																						
					FILL m																						
DRILLERS SIGNATURE DON BLAYONE												MACP 8659				BOILER PH STACK deg				Notes: CHECKED CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR							
												HRS. RUN 8.00				10.5				260				BLEW DOWN BOILER 3 TIMES			
												MAX HOOKLOAD								AMJ= 2086; TMJ=375928							

MORNING SHIFT

LICENCE NO. :1935

WELL NAME AND NO. :PARAMOUNT ANADARKO BOVIE F-66

OPERATOR :PARAMOUNT RESOURCES LTD.

CONTRACTOR :AKITA DRILLING LTD.

SURFACE LOCATION :60:15:19.82 122

UNIQUE I.D. :300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

OPR

DL

DL

DL

DL

DL

DL

YEAR 2002

MONTH 2

DAY 3

RIG NO. 58

FUEL @ 08:00 HRS.

RIG 147

BOILER

WEATHER

TEMPERATURE -25

CONDITIONS snowing

WIND DIRECTION N.E.

ROAD CONDITION SNOW

SAFETY TOPIC

invert

LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)		RENTALS / SERVICES														Morn	Day	Eve		
	339.7	320.4	81.10		K-55				502.00	NO. 2	TYPE DERRI	TYPE F.L.C																		
	244.5	226.5	53.57	IPSCO	J-55	85	1099.60	7.00	1098.50	CHANGE SCREENS		YES	X	NO																
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	TOP	50	TOP	84																	
178	159.10	DC	74	178	5H-90	26	EMSCO	F-1000	254	MIDDLE	50	MIDDLE	84																	
127	74.35	HWDP	78	127	4.5 IF	26	EMSCO	F-1000	254	BOTTOM	50	BOTTOM	84																	
127	29.02	E2	94	127	4.5 IF	144																								

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	TOTAL
OPER.	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	WIPPLE UP B.O.P.	TEST S.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING						
MORN		7.25					0.25			0.50																8.00	
DAY		7.25					0.25			0.50																8.00	
EVE		7.25								0.75																8.00	
TOTAL		21.75					0.50			1.75																24.00	

NO.	DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL										
1	BIT/ MILLS	O.D. mm	0.27	m	BIT NO.	4RR			WATER BASED		OIL BASED	X		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE									
1	STAB /SUB	222	0.24	m	SIZE (mm)	222.0			TIME	45	300	600		2159.00	2198.00	D	20	8	0	30	0.50	2	drill 222mm hole from 2159m to 2160m								
1	MOTOR	171	7.77	m					DENSITY kg/m3	1310	1300	1300							30	45	0.25	10	survey @ 2142.85m								
1	X.O.	163	0.50	m	IADC CODE				FUNNEL VIS s/l	90	80	85							45	345	3.00	2	drill 2160m to 2170m								
1	FLOAT SUB	164	0.71	m					W.L. cm/ FILCK										345	400	0.25	7	rig service / function annular 19sec. c/s checked RSPP								
1	REAMER	222	1.77	m	MFG.	HUGHES			PH					Circ. Press (kPa)	PUMP NO. 1	PUMP NO. 2			400	700	3.00	2	drill 2170m to 2189m								
1	X.O.	172	0.55	m	Type	HC605			p.v.t.	75.80	80.70	83.30		12300	152.0	55	152.0	55	700	715	0.25	10	survey @ 2171.27								
1	MONEL	167	9.46	m	SERIAL NO.	1905531			MUD MATERIALS USED				REDUCED PUMP SPEED								715	800	0.75	2	drill 2189m to 2198m						
1	TRANS SUB	165	1.37	m	JETS (mm)	5	X	10.						3300	@		@	55	800												
1	X.O.	157	0.42	m	DEPTH IN (m)	2158.00			TYPE		QTY	UNITS	SOLIDS CONTROL EQUIPMENT																		
1	MONEL	165	9.06	m	DEPTH OUT (m)				DESILTER																						
1	STAB	222	1.38	m	TOTAL METER	40.00			HOURS	INTAKE	OVERFLOW	UNDERFLOW	CENTRIFUGE																		
9	D.C.	178	84.90	m	TOTAL HOURS	7.75			HOURS	INTAKE	OVERFLOW	UNDERFLOW																			
1	JAR	175	5.04	m					DEVIATION SURVEY																						
12	D.C.	178	113.74	m	DEPTH (m)	2142.85			DEPTH (m)	DEVIATION	DIRECTION																				
1	X.O.	159	1.20	m					2171.27	0.40	305.7																				
12	H.W.D.P.	127	109.98	m																											
	BHA=348.36			m																											
64	DRILLPIPE STANDS	1838.29m		m																											
	DRILLPIPE SINGLES			m																											
	KEY DOWN	11.35		m																											
	TOTAL	2198.00		m																											
	WT. OF D.C.	35	1000 dan	DRAG	dan	2000up	10																								
	WT. OF STRING	103	1000 dan	TORQUE	230																										
				FILL m	0.00																										
DRILLERS SIGNATURE ALLAN LICKOCH																HRS. RUN				BOILER PH				STACK deg				Notes: checked; crown saver, fastline clamp, deadline anchor			
																MACP				9198				blow boiler down three times							
																MAX HOOKLOAD				105											

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Preformed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO. : 58 DW DI DW DI DW DI DW DI DW DI	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A..O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		FUEL @ 08:00 HRS. RIG 147 BOILER	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450				TEMPERATURE -25 CONDITIONS snowing WIND DIRECTION N.E. ROAD CONDITION SNOW	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)				WEATHER DL	

															SAFETY TOPIC					STEAM																	
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI	TYPE F.L.C																
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS																		
DC. DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		50		84															
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254		MIDDLE 50		MIDDLE 84															
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254		BOTTOM 50		BOTTOM 84															
127		29.02		E2		94		127		4.5 IF		144																									
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	TOTAL										
OPER.	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.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																
	MORN	7.25					0.25			0.50																8.00											
	DAY	7.25					0.25			0.50																8.00											
	EVE	7.25								0.75																8.00											
	TOTAL	21.75					0.50			1.75																24.00											
NO.		DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL									
1		BIT / MILLS	O.D. mm	0.27	m	BIT NO.	4RR	WATER BASED		OIL BASED		X	FROM	TO	DRILL / REAM / CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																
1		STAB / SUB	222	0.24	m	SIZE (mm)	222.0	TIME	900	1200	1500	2198.00	2256.00	D	20	5	800	1015	2.25	2	DRILL F/ 2198m - T/2218m																
1		MOTOR	171	7.77	m	DADC CODE		DENSITY kg/m3	1305	1310	1320							1015	1030	0.25	10	MWD SURVEY															
1		X.O.	163	0.50	m	WFG.	HUGHES	FUNNEL VIS s/l	77	70	67							1030	1445	4.25	2	DRILL F/ 2218m - T/2247m															
1		FLOAT SUB	164	0.71	m	W.L. cm / FILCK		PH										1445	1500	0.25	7	RIG SERVICE F/ LOWERPIPE RAMS C/ 5 SEC															
1		REAMER	222	1.77	m	Type	HC605											1500	1515	0.25	10	MWD SURVEY															
1		X.O.	172	0.55	m	SERIAL NO.	1905531											1515	1600	0.75	2	DRILL F/ 2247m - T/2256m															
1		MONEL	167	9.46	m	JETS (mm)	5 X 13	MUD MATERIALS USED				4000	@	55	@	2245	1600																				
1		TRANS SUB	165	1.37	m	DEPTH IN (m)	2158.00	TYPE	QTY	UNITS	SOLIDS CONTROL EQUIPMENT																										
1		X.O.	157	0.42	m	DEPTH OUT (m)		BARITE	94	SXS	DESILTER																										
1		MONEL	165	9.06	m	TOTAL METER	98.00	OIL MUD	9	M3	CENTRIFUGE																										
1		STAB	222	1.38	m	TOTAL HOURS	15.00	DEVIATION SURVEY																													
1		D.C.	178	84.90	m	DEPTH (m)	2199.98	DEVIATION	0.30	DIRECTION	311	HOURS										INTAKE	OVERFLOW														

[illegible]

DAY SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (Using Check List)
(3) H2S Signs Posted(If Required)
(4) Well License & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOP's - Flarelines & Degasser Lines
(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A..O.D.C. Rig Safety Inspection Checklist(one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

Opr

DW

DL

DW

DW

DW

DW

DW

R.M

DL

DL

DL

DL

DL

DL

DL

YEAR 2002

MONTH 2

DAY 2

RIG NO. 58

FUEL @ 08:00 HRS.

RIG 176

BOILER 260

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

DAVE WILSON

DAVE LAUCK

SAFETY TOPIC

INVERT

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)			RENTALS / SERVICES												Morn	Day	Eve																			
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																																	
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50			CHANGE SCREENS			YES NO																																
																			TOP 50		TOP 84																																		
																					MIDDLE 50		MIDDLE 84																																
																						BOTTOM 50		BOTTOM 84																															
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.																																					
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254																																					
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254																																					
127		29.02		E2		94		127		4.5 IF		144																																											
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		TOTAL	
OPER.		RIGUP & TEARDOWN		DRILL ACTUAL		REAMING		CORING		COND. MUD & CIRC.		TRIPS		RIG SERVICE		REPAIR/RIG		CUT OFF DRLG. LINE		DEV. SURVEY		WIREFRAME LOGS		RUN CSG. & CEMENT		WAIT ON CEMENT		NIPPLE UP B.O.P		TEST B.O.P.		DRILL STEM		PLUG BACK		SQUEEZE CEMENT		FISHING		DIRECTIONAL WORK		SAFETY MEETING													
MORN				0.50						1.00		6.25		0.25																																				8.00					
DAY				2.75								4.75																																				0.50				8.00			
EVE				0.50						0.75		5.25		0.25																																		8.00							
TOTAL				3.75						1.75		16.25		0.50																																				24.00					

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/ MILLS O.D. mm 0.27 m

1 STAB/SUB 222 0.24 m

1 MOTOR 171 7.59 m

1 FLOAT SUB 164 0.71 m

1 REAMER 222 1.77 m

1 X.O. 172 0.55 m

1 MONEL 167 9.46 m

1 TRANS SUB 165 1.37 m

1 X.O. 157 0.42 m

1 MONEL 165 9.06 m

1 STAB 222 1.38 m

9 D.C. 178 84.90 m

1 JAR 175 5.04 m

12 D.C. 178 113.74 m

1 X.O. 159 1.20 m

12 H.W.D.P. 127 109.98 m

BHA=347.68 m

62 DRILLPIPE STANDS m

2 DRILLPIPE SINGLES 1800.23m m

KELLY DOWN 10.09 m

TOTAL 2158.00 m

WT. OF D.C. 35 1000 dan

WT. OF STRING 102 1000 dan

DRILLERS SIGNATURE DON BLAYONE

BIT NO. 3c

SIZE (mm) 222.3

IADC CODE 5 2 7

MFG. REED

Type HP52A

SERIAL NO. ED7614

JETS (mm) 12,12,12

DEPTH IN (m) 2156.00

DEPTH OUT (m) 2158.00

TOTAL METER 2.00

TOTAL HOURS 3.25

INNER

OUTER

DULL

LOCATION

BEARINGS

GAGE(mm)

OTHER

REASON

R.O.P.

WATER BASED

OIL BASED

TIME 900

DENSITY kg/m3 1320

FUNNEL VIS s/l 82

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

FROM 2157.00

TO 2158.00

DRILL/ REAM/CR. D

ROTARY R.P.M. 30

WT. ON BIT 22

PUMP NO. 1

PUMP NO. 2

REDUCED PUMP SPEED

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

BOILER

HRS. RUN 8.00

PH 10.5

STACK deg 270

MACP 9090

MAX HOOKLOAD 102

FROM 800

TO 1045

ELAPSED TIME 2.75

CODE 2

DRILL 222mm HOLE F/ 2157m - T/2158m

1045

1115

0.50

23

CHECK SURFACE EQUIP. FOR PRESSURE LOSS

1115

1600

4.75

6

PUL L FOR WASH

1600

FLOW CHECK ON BOTTOM; 1725m; 1400m;

Notes: CHECKED CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR

BLEW DOWN BOILER 3 TIMES

EVENING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : **PARAMOUNT ANADARKO BOVIE F-66**

OPERATOR : **PARAMOUNT RESOURCES LTD.**

CONTRACTOR : **AKITA DRILLING LTD.**

SURFACE LOCATION : **60:15:19.82 122**

UNIQUE I.D. : **300F66020122450**

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

Opr. DW

R.M. DL

DW DL

DW DL

DW DL

DW DL

DW DL

YEAR 2002

MONTH 2

DAY 2

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 176

BOILER 260

(1) Rig Site Health and Safety Meeting (one/crew/month)

(2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kills Checked

DL

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

DAVE WILSON

DAVE LAUCK

SAFETY TOPIC

invert

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve		
	339.7		320.4	81.10		K-55				502.00	NO. 2	TYPE DERRI		TYPE F.L.C																	
	244.5		226.5	53.57	IPSCO	J-55	85	1099.60	7.00	1098.50	CHANGE SCREENS				YES	NO															
												TOP 50		TOP 84																	
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER		PUMP TYPE	STROKE LTH.		MIDDLE 50		MIDDLE 84																	
178	159.10	DC	74	178	5H-90	26	EMSCO		F-1000	254																					
127	74.35	HWDP	78	127	4.5 IF	26	EMSCO		F-1000	254																					
127	29.02	E2	94	127	4.5 IF	144						BOTTOM 50		BOTTOM 84																	

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	TOTAL	
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING							
MORN		0.50			1.00	6.25	0.25																					8.00
DAY		2.75				4.75																	0.50					8.00
EVE		0.50			0.75	5.25	0.25													1.25								8.00
TOTAL		3.75			1.75	16.25	0.50													1.25			0.50					24.00

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/ MILLS

O.D. mm

0.27

m

BIT NO.

4RR

1 STAB/SUB

222

0.24

m

SIZE (mm)

222.0

1 MOTOR

171

7.77

m

IADC CODE

1 X.O.

163

0.50

m

MFG.

HUGHES

1 FLOAT SUB

164

0.71

m

Type

HC605

1 REAMER

222

1.77

m

SERIAL NO.

1905531

1 X.O.

172

0.55

m

JETS (mm)

5 X 13

1 MONEL

167

9.46

m

DEPTH IN (m)

2158.00

1 TRANS SUB

165

1.37

m

DEPTH OUT (m)

1 X.O.

157

0.42

m

TOTAL METER

1.00

1 MONEL

165

9.06

m

TOTAL HOURS

0.50

1 STAB

222

1.38

m

INNER

9 D.C.

178

84.90

m

OUTER

1 JAR

175

5.04

m

DULL

12 D.C.

178

113.74

m

LOCATION

1 X.O.

159

1.20

m

BEARINGS

12 H.W.D.P.

127

109.98

m

GAGE(mm)

BHA=348.36

m

OTHER

62 DRILLPIPE STANDS

m

REASON

2 DRILLPIPE SINGLES

1800.23m

m

R.O.P.

KELLY DOWN

11.09

m

TOTAL

2159.68

m

WT. OF D.C.

35

1000

dan

DRAG dan

2000 up 1

WT. OF STRING

103

1000

dan

TORQUE

240

DRILLERS SIGNATURE

ALLAN LICKOCH

FILL m

0.00

WATER BASED

OIL BASED

X

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

Circ Press (kPa)

PUMP NO. 1 LINER(mm)

SPM

PUMP NO. 2 LINER(mm)

SPM

REDUCED PUMP SPEED

3000

@

50

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HRS. RUN

PH

STACK deg

MACP

8983

MAX HOOKLOAD

105

FROM

TO

ELAPSED TIME

CODE

1600

1700

1.00

6

PULL FOR WASH

1700

1815

1.25

20

LAY DOWN OLD MOTOR & PICK UP NEW ONE

1815

1830

0.25

7

RIG SERVICEF/ BLIND RAMS C/ 4 SEC.

1830

2245

4.25

6

make up BHA & run in hole fill pipe every 500m

2245

2315

0.50

2

derill f/2158m to2159m

2315

2400

0.75

5

circulate bottoms up gas through choke

2400

Notes: checked; crown saver, fastline clamp, deadline anchor

blow boiler down three times

TMJ=361770

AMJ=7607

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		DW DL DW DL DW DL DW DL		RIG NO.:	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.-O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kilts Checked		FUEL @ 08:00 HRS RIG 141 BOILER			
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450				WEATHER TEMPERATURE -20 CONDITIONS overcast WIND DIRECTION EAST ROAD CONDITION SLIPPERY			
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)							

DAVE LAUCK

SAFETY TOPIC

picking up pipe

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve	
	339.7		320.4		81.10				K-55								502.00		NO. 2 TYPE DERRI TYPE F.L.C																	
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DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		BOTTOM 50 BOTTOM 84																
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254																		
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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	TOTAL									
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	ATT. T/DRIL														
MORN		7.50					0.25			0.25																8.00										
DAY		5.75					0.25			0.50												1.50				8.00										
EVE		3.25			0.75	4.00																				8.00										
TOTAL		16.50			0.75	4.00	0.50			0.75												1.50				24.00										

NO.										DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD										MUD RECORD										METERS DRILLED										TIME LOG										TIME DETAIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		DW DL DW DL DW DL DW DL DW DL		RIG NO. : FUEL @ 08:00 HRS. RIG 141 BOILER	
OPERATOR. : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/right/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		WEATHER TEMPERATURE -20 CONDITIONS overcast WIND DIRECTION EAST ROAD CONDITION SLIPPERY			
SURFACE LOCATION. : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450							
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)							

DAVE LAUCK

SAFETY TOPIC

NEW EMPLOYEE'S

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve			
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS				YES	X	NO													
																			TOP 50		TOP 84																	
																			MIDDLE 50		MIDDLE 84																	
																				BOTTOM 50		BOTTOM 84																
DC . DP SIZE	KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.																					
178	159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254																					
127	74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254																					
127	29.02		E2		94		127		4.5 IF		144																											
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	TOTAL											
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUTOFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPLLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	ATT. T/DRIL																
MORN		7.50					0.25			0.25																8.00												
DAY		5.75					0.25			0.50												1.50				8.00												
EVE		3.25			0.75	4.00																				8.00												
TOTAL		16.50			0.75	4.00	0.50			0.75												1.50				24.00												

[illegible]

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450			
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)			

tripping

LAST CASING TUBING OR LINER	0.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve	
	339.7		320.4		81.10				K-55								502.00		NO. 2 TYPE DERRI TYPE F.L.C																	
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS																	
																			TOP 50 TOP 84																	
																			MIDDLE 50 MIDDLE 84																	
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		BOTTOM 50 BOTTOM 84																
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254																		
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254																		
127		29.02		E2		94		127		4.5 IF		144																								
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	TOTAL								
OPER.		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILG. LINE	DEV. SURVEY	WIRELINE LOSSES	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	ATT. T/DRIL													
MORN			7.50					0.25			0.25																8.00									
DAY			5.75					0.25			0.50												1.50				8.00									
EVE			3.25			0.75	4.00																				8.00									
TOTAL			16.50			0.75	4.00	0.50			0.75												1.50				24.00									

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD			MUD RECORD			METERS DRILLED					TIME LOG				TIME DETAIL				
NO.	BIT/ MILLS	O.D. mm	0.27 m	BIT NO.	2c	3c	WATER BASED		OIL BASED		X	FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO			ELAPSED TIME	CODE	
1	STAB /SUB	222	0.24 m	SIZE (mm)	222.3	222.3	TIME	1800				2151.00	2156.00	D	35	4	1600	1915	3.25	2	DRILL F/ 2151m - T/ 2156		
1	MOTOR	171	7.59 m	IADC CODE			DENSITY kg/m3	1310									1915	2000	0.75	5	circulate bottoms up /flow check / pump pill		
1	FLOAT SUB	164	0.71 m	MFG.	HUGHES	REED	FUNNEL VIS s/l	78									2000	2400	4.00	6	pull out of hole / flow check@ 5stds.,15stds.,40stds.,hwdp		
1	REAMER	222	1.77 m	Type	HC605	HP52A	W.L. cm/ FILCK					Circ. Press (kPa)	PUMP NO. 1		PUMP NO. 2		2400				flow check out of hole		
1	X.O.	172	0.55 m				PH				LINER(mm)		SPM	LINER(mm)	SPM								
1	MONEL	167	9.46 m	SERIAL NO.	1905531	ED7614						9200	152.0	60	152.0	60							
1	TRANS SUB	165	1.37 m	JETS (mm)	5 X 10.	12.12.12.	REDUCED PUMP SPEED																
1	X.O.	157	0.42 m				MUD MATERIALS USED					3700	@	60	@								
1	MONEL	165	9.06 m	DEPTH IN (m)	2028.00	2156.00	TYPE	QTY	UNITS	SOLIDS CONTROL EQUIPMENT													
1	STAB	222	1.38 m	DEPTH OUT (m)			BARITE	30	SXS	DESILTER													trip record
9	D.C.	178	84.90 m	TOTAL METER	128.00							HOURS	INTAKE	OVERFLOW	UNDERFLOW						cal.= 13.97 m3		
12	D.C.	178	113.74 m	TOTAL HOURS	31.50							CENTRIFUGE									mea.= 14.02 m3		
1	X.O.	159	1.20 m									HOURS	INTAKE	OVERFLOW	UNDERFLOW						diff.= .05 m3		
12	H.W.D.P.	127	109.98 m																				
	BHA=347.68																						
62	DRILLPIPE STANDS																						
2	DRILLPIPE SINGLES	1800.23m																					
	BY DOWN	8.09 m					DEVIATION SURVEY																
	TOTAL	2156.00 m					DEPTH (m)	DEVIATION	DIRECTION														
	WT. OF D.C.	35 1000 dan								BOILER PH STACK deg					Notes: checked; crown saver, fastline clamp, deadline anchor								
	WT. OF STRING	100 1000 dan								HRS. RUN 8.00					blow boiler down three times								
										MACP 9090					TMJ=357108								
										MAX HOOKLOAD 103					AMJ= 2945								
DRILLERS SIGNATURE				ALLAN LICKOCH																			

LICENCE NO. : 1935	WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		.WC WC WC WC	58 FUEL @ 08:00 HRS.
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : AKITA DRILLING LTD.				RIG 181	BOILER
SURFACE LOCATION : 60:15:19.82 122	UNIQUE I.D. : 300F66020122450				WEATHER	TEMPERATURE
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A., O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kils Checked		CONDITIONS
						WIND DIRECTION
						ROAD CONDITION

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)			RENTALS / SERVICES				Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI	TYPE F.L.C									
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS		YES	x	6							
																			TOP	50	TOP	84								
																			MIDDLE	50	MIDDLE	84								
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		BOTTOM	50	BOTTOM	84							
178		159.10		DC		74		178		5H-90		26		EMSCO		F-1000		254												
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254												
127		28.02		F3		84		127		4.5 IF		144																		

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	TOTAL	
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DR.L.G. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	HIPLLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING								
MORN		0.25			2.25	3.25			1.00											0.25		1.00							8.00
DAY		7.25					0.25			0.50																			8.00
EVE		7.50					0.25			0.25																			8.00
TOTAL		15.00			2.25	3.25	0.50		1.00	0.75										0.25		1.00						24.00	

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL					
NO.	BIT/ MILLS	O.D.mmm	0.27	m	BIT NO.	2C		WATER BASED		OIL BASED		X	FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE				
1	STAB /SUB	222	0.24	m	SIZE (mm)	222.3		TIME	715	1130			2029.00	2067.00	D	35	5	800	830	0.50	2	drill f/2029m to 2037m			
1	MOTOR	171	7.59	m	IADC			DENSITY kg/m3	1220	1290									830	845	0.25	10	survey @ 2020.65m		
1	FLOAT SUB	164	0.71	m	CODE			FUNNEL VIS s/l	110	78									845	1045	2.00	2	drill f/2037m to 2047m		
1	REAMER	222	1.77	m	MFG.	HUGHES		W.L cm/ FILCK					Circ. Press (kPa)	PUMP NO. 1 LINER(mm) SPM		PUMP NO. 2 LINER(mm) SPM		1045	1100	0.25	7	rig service / function top pipe rams 6sec. c/s :checked RSPP			
1	X.O	172	0.55	m	Type	HC605		PH					11300	152.0	60	152.0	60	1100	1415	3.25	2	drill f/2047m to 2065m			
1	MONEL	165	9.06	m	SERIAL NO.	1905531		p.v.t.	40.80	69.30			REDUCED PUMP SPEED					1415	1430	0.25	10	survey @ 2048.45m			
1	STAB	222	1.38	m	JETS (mm)	5 X 10.		MUD MATERIALS USED				3300	@	0	@	60	1430	1600	1.50	2	drill f/2065m toT/ 2067m				
9	D.C	178	84.90	m	DEPTH IN (m)	2028.00		TYPE	QTY	UNITS	SOLIDS CONTROL EQUIPMENT														
1	JAR	175	5.04	m	DEPTH OUT (m)			BARITE		sxs	DESILTER														
12	D.C	178	113.74	m	TOTAL METER	39.00					CENTRIFUGE														
1	X.O	159	1.20	m	TOTAL HOURS	7.50					HOURS INTAKE OVERFLOW UNDERFLOW														
12	H.W.D.P.	127	109.98	m							HOURS INTAKE OVERFLOW UNDERFLOW														
	BHA=347.68			m							HOURS INTAKE OVERFLOW UNDERFLOW														
59	DRILLPIPE	STANDS		m	INNER	OUTER	DULL	LOCATION	BEARINGS	GAGE/mm	OTHER	REASON	R.O.P	DEVIATION SURVEY											
2	DRILLPIPE	SINGLES	1714.90m	m				DEPTH (m)	DEVIATION	DIRECTION	HOURS INTAKE OVERFLOW UNDERFLOW														
	KICK DOWN	4.42	m					2020.65	0.80	294.0	HRS. RUN PH STACK deg														
	TOTAL	2067.00	m					2048.45	0.70	296.7	blow boiler down three times														
	WT. OF D.C.	35	1000 dan		DRAG DAN	2000up 10																			
	WT. OF STRING	98	1000 dan		TORQUE	250																			
					FILL m	0.00																			
DRILLERS SIGNATURE				ALLAN LICKOCH								MACP 9306													
												MAX HOOKLOAD 100													

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

WILBERT CALLIHOO

SAFETY TOPIC

ROUTINE FLOOR WORK

LAST CASING TUBING OR LINER

O.D. mm

MIN. I.D

kg/m

MAKE

GRADE

OF JOINTS

TOTAL (m)

KB TO CSG.

SET AT (m)

SHALE SHAKER(S)

NO. 2

TYPE DERRI

TYPE F.L.C

RENTALS / SERVICES

Morn

Day

Eve

CHANGE SCREENS

TOP 50

MIDDLE 50

BOTTOM 50

TOP 84

MIDDLE 84

BOTTOM 84

DC. DP SIZE

KG / M

GRADE

MIN. ID

TOOL JT. O.D.

TYPE THREAD

OF JOINTS

PUMP MANUFACTURER

PUMP TYPE

STROKE LTH.

178

159.10

DC

74

178

5H-90

26

EMSCO

F-1000

254

127

74.35

HWDP

78

127

4.5 IF

26

EMSCO

F-1000

254

127

29.02

E2

94

127

4.5 IF

144

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

TOTAL

OPER.

GROUP & 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

RIPPLE UP B.O.P.

TEST B.O.P.

DRILL STEM

PLUG BACK

SQUEEZE CEMENT

FISHING

DIRECTIONAL WORK

SAFETY MEETING

flow check

MORN

7.25

0.25

0.25

0.25

8.00

DAY

1.00

6.50

8.00

EVE

1.00

5.50

8.00

TOTAL

8.25

7.75

5.50

0.25

0.25

24.00

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

1

BIT / MILLS

O.D.mm

0.25

m

BIT NO.

1C

1

STAB / SUB

222

0.24

m

SIZE (mm)

222.0

1

MOTOR

171

7.68

m

IADC CODE

5 3 7

1

FLOAT SUB

164

0.71

m

WFG.

SECURITY

1

REAMER

222

1.77

m

Type

XS30S

1

X.O.

172

0.55

m

SERIAL NO.

752900

1

MONEL

167

9.46

m

JETS (mm)

12 12 12

1

TRANS SUB

165

2.13

m

DEPTH IN (m)

1098.00

1

X.O.

157

0.42

m

DEPTH OUT (m)

1

MONEL

165

9.06

m

TOTAL METER

920.00

1

STAB

222

1.38

m

TOTAL HOURS

86.25

9

D.C.

178

84.90

m

1

JAR

175

5.04

m

12

D.C.

178

113.74

m

1

X.O.

159

1.20

m

12

H.W.D.P.

127

109.98

m

BHA=348.51

57

DRILLPIPE

STANDS

m

2

DRILLPIPE

SINGLES

1757.78

m

KICK DOWN

12.26

m

TOTAL

2118.55

m

WT. OF D.C.

35

1000 dan

WT. OF STRING

100

1000 dan

DRILLERS SIGNATURE

WATER BASED

OIL BASED

X

TIME

200

500

700

DENSITY kg/m3

1170

1175

1175

FUNNEL VIS s/l

80

77

75

W.L. cm/ FILCK

PH

PVT m3

36.50

39.80

40.60

MUD MATERIALS USED

TYPE

QTY

UNITS

GEL

16

SXS

CARBOMUL

1

DRUM

CARBOTEC

1

DRUM

BARITE

112

SXS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

1981.33

0.90

301.9

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

1894.00

2018.00

D

35

18

Circ. Press (kPa)

PUMP NO. 1

PUMP NO. 2

10300

152.0

96

152.0

REDUCED PUMP SPEED

3300

@

50

@

1999

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

BOILER

HRS. RUN

PH

STACK deg

8.00

10.5

280

MACP

10491

MAX HOOKLOAD

102

FROM

TO

ELAPSED TIME

CODE

0

15

0.25

5

15

330

3.25

2

330

345

0.25

7

345

400

0.25

10

400

800

4.00

2

800

OFF BOTTOM PRESSURE= 8700 kpa @ 96 spm.

TIME DETAIL

CIRCULATE & MIX BARITE. MONITOR FLOW

DRILL 222.3mm. HOLE FROM 1894m.-T/ 1999m.

RIG SERVICE, FUNCTION TOP PIPE RAMS 6 SEC/CLS. CHECK R.S.P.P.

DEV. SURVEY @ 1981.33 m. INC= 0.90 AZ= 301.9

DRILL FROM 1999m.-T/ 2018m.

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

BOILER BLOWN DOWN 3 TIMES.

HELD COMPETENCY TRAINING MEETING. GREASED BLOCKS

ACCUMULATOR OIL LEVEL= 32 cm.

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

(1) Rig Site Health and Safety Meeting (one/crew/month)

(2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kills Checked

Opr.

WC

WC

WC

WC

WC

WC

R.M.

YEAR 2002

MONTH 1

DAY 30

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 137

BOILER

WEATHER

TEMPERATURE -23

CONDITIONS clear

WIND DIRECTION CALM

ROAD CONDITION SNOW

DAY SHIFT

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines (1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		Opr. WC WC WC WC WC	R.M. 	YEAR 2002 MONTH 1 DAY 29																						
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		RIG NO. : 58		FUEL @ 08:00 HRS.																								
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450		RIG 163		BOILER																								
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		WEATHER		TEMPERATURE -36																								
				CONDITIONS CLEAR		WIND DIRECTION CALM																								
				ROAD CONDITION SNOW																										
WILBERT CALLIHOO				SAFETY TOPIC		well control																								
LAST CASING TUBING OR LINER		O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)		RENTALS / SERVICES												Morn	Day	Eve			
		339.7	320.4	81.10		K-55				502.00	NO. 2	TYPE DERRI	TYPE F.L.C																	
		244.5	226.5	53.57	IPSCO	J-55	85	1099.60	7.00	1098.50	CHANGE SCREENS		YES	X	Ø															
												TOP 50	TOP 84																	
												MIDDLE 50	MIDDLE 84																	
												BOTTOM 50	BOTTOM 84																	
DC. DP SIZE		KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.																		TOTAL		
178		159.10	DC	74	178	5H-90	26	EMSCO	F-1000	254																				
127		74.35	HWDP	78	127	4.5 IF	26	EMSCO	F-1000	254																				
127		29.02	F2	94	127	4.5 IF	144																							
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	TOTAL		
OPER.		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.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	Read press	Flow check						
MORN						7.00																	1.00					8.00		
DAY						7.75																	0.25					8.00		
EVE			4.50			2.50					0.25											0.25		0.50				8.00		
TOTAL			4.50			17.25					0.25											0.25		1.00	0.75			24.00		
NO. DRILLING ASSEMBLY (AT END OF TOUR)		BIT RECORD		MUD RECORD		METERS DRILLED		TIME LOG		TIME DETAIL																				
1 BIT / MILLS		O.D.mm	0.25	m	BIT NO.	1C	WATER BASED		OIL BASED X		FROM	TO	DRILL / REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE											
1 STAB / SUB		222	0.24	m	SIZE (mm)	222.0	TIME		800	1300	1600	1963.00				800	1300	5.00	5	circulate through choke / mix barite at 2min./sx										
1 MOTOR		171	7.68	m			DENSITY kg/m3		980	1060	1095					1300	1315	0.25	23	flow check (well flowing)										
1 FLOAT SUB		164	0.71	m	ADC CODE	5 3 7	FUNNEL VIS s/l		93	89	76					1315	1600	2.75	5	circ. through choke / mix barite at 2min./sx										
1 REAMER		222	1.77	m	MFG.	SECURITY	W.L. cm/ FILCK									1600														
1 X.O.		172	0.55	m	Type	XS30S	PH																							
1 MONEL		167	9.46	m	SERIAL NO.	752900	p.v.t		38.30	43.30	42.80																			
1 TRANS SUB		165	2.13	m	JETS (mm)	12-12-12	MUD MATERIALS USED		2600	@	50	@																		
1 X.O.		157	0.42	m	DEPTH IN (m)	1098.00	TYPE			QTY	UNITS	SOLIDS CONTROL EQUIPMENT																		
1 MONEL		165	9.06	m	DEPTH OUT (m)		BARITE			300	sxs	DESILTER		HOURS		INTAKE	OVERFLOW	UNDERFLOW												
1 STAB		222	1.38	m	TOTAL METER	865.00						CENTRIFUGE		HOURS		INTAKE	OVERFLOW	UNDERFLOW												
9 D.C.		178	84.90	m	TOTAL HOURS	74.50								HOURS		INTAKE	OVERFLOW	UNDERFLOW												
1 JAR		175	5.04	m	INNER									HOURS		INTAKE	OVERFLOW	UNDERFLOW												
12 D.C.		178	113.74	m	OUTER									HOURS		INTAKE	OVERFLOW	UNDERFLOW												
1 X.O.		159	1.20	m	LOCATION									HOURS		INTAKE	OVERFLOW	UNDERFLOW												
12 H.W.D.P.		127	109.98	m	BEARINGS									HOURS		INTAKE	OVERFLOW	UNDERFLOW												
BHA=348.51				m	GAGE (mm)									HOURS		INTAKE	OVERFLOW	UNDERFLOW												
56 DRILLPIPE STANDS		1609.91	m	OTHER	REASON	R.O.P.								HOURS		INTAKE	OVERFLOW	UNDERFLOW												
DRILLPIPE SINGLES			m											HOURS		INTAKE	OVERFLOW	UNDERFLOW												
KICK DOWN		4.58	m											HOURS		INTAKE	OVERFLOW	UNDERFLOW												
TOTAL		1963.00	m											HOURS		INTAKE	OVERFLOW	UNDERFLOW												
WT. OF D.C.		35	1000	dan	DRAG dan									HRS. RUN		PH	STACK deg	Notes: checked; crown saver, fastline clamp, deadline anchor												
WT. OF STRING		100	1000	dan	TORQUE									8.00		10.5	265	blow boiler down three times												
DRILLERS SIGNATURE		ALLAN LICKOCH			FILL m									MACP		11460														
														MAX HOOKLOAD		103														

LICENCE NO. : **1935**

PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : **PARAMOUNT RESOURCES LTD.**

CONTRACTOR: **AKITA DRILLING LTD.**

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : **300F66020122450**

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE
& CORRECT TO THE BEST OF MY ABILITY)

WILBERT CALLIHOO

SAFETY TOPIC

WINCH LINES

[illegible]

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Preformed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO. : 58 FUEL @ 08:00 HRS. RIG 191 BOILER	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450					
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)					

SAFETY TOPIC

drill underbalanced

[illegible]

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		RIG NO. : 58	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		FUEL @ 08:00 HRS.	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450		RIG 153 BOILER	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		WEATHER : DL DL DL DL	
WILBERT CALLIHOO		DAVE LAUCK		SAFETY TOPIC	
HOUSEKEEPING					
LAST CASING TUBING OR LINER		O.D. mm MIN. I.D kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG SET AT (m)		SHALE SHAKER(S) NO. 2 TYPE DERRI TYPE F.L.C	
				CHANGE SCREENS YES x NO	
DC. DP SIZE KG / M GRADE MIN. ID TOOL JT. O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH				TOP 50 TOP 85	
178 159.10 DC 74 178 5H-90 21 EMSCO F-1000 254				MIDDLE 50 MIDDLE 85	
127 74.35 HWDP 78 127 4.5 IF 26 EMSCO F-1000 254				BOTTOM 50 BOTTOM 85	
127 29.02 E2 94 127 4.5 IF 170					
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 TOTAL					
OPER. RGROUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. MUD & CRIC. TRIPS RIG SERVICE REPAIR RIG CUT OFF DRILL LINE DEV. SURVEY WIRELINE LOGS RUN CSG. & CEMENT WAIT ON CEMENT HPPLE UP B.O.P. TEST B.O.P. DRILL STEM PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING FLOW CHECK B.O.P. DRILL					
MORN 6.00 0.25 1.50				8.00	
DAY 6.50 0.25 1.25				8.00	
EVE 7.00 0.25				8.00	
TOTAL 19.50 0.50 3.50				24.00	
NO. DRILLING ASSEMBLY (AT END OF TOUR)		BIT RECORD		MUD RECORD	
1 BIT/ MILLS O.D. mm 0.25 m BIT NO. 1C		WATER BASED OIL BASED X		FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT. ON BIT	
1 STAB /SUB 222 0.24 m SIZE (mm) 222.0		TIME 200 400 600		1339.00 1405.00 D 35 17	
1 MOTOR 171 7.68 m DENSITY kg/m3 975 980 975				0 245 2.75 2	
1 FLOAT SUB 164 0.71 m IADC CODE 5 3 7		FUNNEL VIS s/l 85 85 88		245 300 0.25 22	
1 REAMER 222 1.77 m MFG. SECURITY		PH		300 430 1.50 2	
1 X.O. 172 0.55 m Type XS30S		PVT m3 79.60 77.50 75.70		430 445 0.25 7	
1 MONEL 167 9.46 m SERIAL NO. 752900		REDUCED PUMP SPEED		445 630 1.75 2	
1 TRANS SUB 165 2.13 m JETS (mm) 12, 12, 12		MUD MATERIALS USED		630 800 1.50 10	
1 X.O. 157 0.42 m DEPTH IN (m) 1092.00		TYPE QTY UNITS		800	
1 MONEL 165 9.06 m DEPTH OUT (m)		CALCIUM CHLORID 20 SXS			
1 STAB 222 1.38 m TOTAL METER 313.00		LIME 20 SXS			
9 D.C. 178 84.90 m TOTAL HOURS 25.75		FLOOR DRY 2 SXS			
1 JAR 175 5.04 m		DEVIATION SURVEY			
1 D.C. 178 113.74 m		DEPTH (m) DEVIATION DIRECTION			
1 X.O. 159 1.20 m		1321.99 1.20 72.0			
12 H.W.D.P. 127 109.98 m		1330.90 1.30 79.2			
BHA=348.51		1340.68 1.40 77.2			
36 DRILLPIPE STANDS		1350.44 1.50 81.3			
1 DRILLPIPE SINGLES 1044.97m		1360.18 1.50 89.0			
KELLY DOWN 12.26 m		MACP 12699			
TOTAL 1405.74 m		MAX HOOKLOAD 87			
WT. OF D.C. 35 1000 dan		HRS. RUN BOILER PH STACK deg			
WT. OF STRING 84 1000 dan		8.00 10.5 260			
DRILLERS SIGNATURE GARY PATRICK		Notes: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE.			
		BOILER BLOWN DOWN 3 TIMES.			
		RSPP FLOW RATE=19%			

EXTRA MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection
(2) Detailed Inspection - Weekly (Using Check List)
(3) H2S Signs Posted(If Required)
(4) Well License & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Preformed
(7) Visually Inspect BOP's - Flarelines & Degasser Lines

Opr.

R.M.

YEAR 2002 MONTH 1 DAY 26

RIG NO. : 58

FUEL @ 08:00 HRS.

RIG

BOILER

WEATHER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

WILBERT CALLIHOO

DAVE LAUCK

SAFETY TOPIC

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn.	Day	Eve		
																			NO.		TYPE		TYPE																
																			CHANGE SCREENS			YES	NO																
																					TOP		TOP																
DC . DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE		MIDDLE																	
																				BOTTOM		BOTTOM																	
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	TOTAL											
OPER.		GROUP & 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	PIPE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																	
MORN																																							
DAY																																							
EVE																																							
TOTAL																																							

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS O.D. mm

BIT NO.

WATER BASED

OIL BASED

FROM TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

FROM TO

ELAPSED TIME

CODE

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

Circ. Press (kPa)

PUMP NO. 1 LINER(mm) SPM

PUMP NO. 2 LINER(mm) SPM

REDUCED PUMP SPEED @ @

SOLIDS CONTROL EQUIPMENT

DESILTER HOURS INTAKE OVERFLOW UNDERFLOW

CENTRIFUGE HOURS INTAKE OVERFLOW UNDERFLOW

DEVIATION SURVEY

DEPTH (m) DEVIATION DIRECTION

1369.57 1.60 89.1

1378.43 1.50 79.6

HRS. RUN BOILER PH STACK deg

MACP MAX HOOKLOAD

DRILLPIPE STANDS

DRILLPIPE SINGLES

KEY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLERS SIGNATURE

SIZE (mm)

IADC CODE

MFG.

Type

SERIAL NO.

JETS (mm)

DEPTH IN (m)

DEPTH OUT (m)

TOTAL METER

TOTAL HOURS

INNER

OUTER

DULL

LOCATION

BEARINGS

GAGE(mm)

OTHER

REASON

R.O.P.

DRAG dan

TORQUE

FILL m

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Preformed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		WC DL WC DL WC DL WC DL	RIG NO. : 58 FUEL @ 08:00 HRS.
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		RIG 153 BOILER	WEATHER TEMPERATURE CONDITIONS CLEAR WIND DIRECTION CALM ROAD CONDITION ICE
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450				DL	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)				DL	

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

- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A..O.D.C. Rig Safety Inspection Checklists(one/rig/month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kills Checked

Opr.	R.M.	YEAR 2002	MONTH 1	DAY 26
WC	DL	RIG NO.: 58		
WC	DL	FUEL @ 08:00 HRS.		
WC	DL			
WC	DL	RIG 153	BOILER	
WC	DL			
WC	DL			
WC	DL			
DL	WEATHER	TEMPERATURE		
		CONDITIONS CLEAR		
		WIND DIRECTION CALM		
DL		ROAD CONDITION ICE		

WILBERT CALLIHOO	DAVE LAUCK	SAFETY TOPIC	B.O.P. DRILLS
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LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve				
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																			
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS																						
																			TOP 50		TOP 85																				
DC . DP SIZE	KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 50		MIDDLE 85																				
178	159.10		DC		74		178		5H-90		21		EMSCO		F-1000		254																								
127	74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254																								
127	29.02		E2		94		127		4.5 IF		170								BOTTOM 50		BOTTOM 85																				
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	TOTAL														
OPER.	GROUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR/RIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIFFLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	FLOW CHECK	B.O.P DRILL																		
MORN		6.00					0.25			1.50												0.25					8.00														
DAY		6.50					0.25			1.25																	8.00														
EVE		7.00								0.75													0.25				8.00														
TOTAL		19.50					0.50			3.50												0.25	0.25				24.00														

DAY SHIFT

LICENCE NO. : 1935	WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66	(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines (1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kils Checked	Opr. WC R.M. GF WC GF WC GF WC GF WC GF WC GF	YEAR 2002 MONTH 1 DAY 25
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : AKITA DRILLING LTD.			
SURFACE LOCATION : 60:15:19.82 122	UNIQUE I.D. : 300F66020122450			
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		
WILBERT CALLIHOO		DAVE LAUCK		
		SAFETY TOPIC		PICKING UP PIPE

WILBERT CALLIHOO										DAVE LAUCK										SAFETY TOPIC						PICKING UP PIPE							
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES						Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2		TYPE DERRI		TYPE F.L.C										
	244.5		226.5		53.57		IPSCO		J-55		85		1099.60		7.00		1098.50		CHANGE SCREENS						YES		X		NO				
																			TOP 50		TOP 84												
																					MIDDLE 50		MIDDLE 84										
DC. DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMPTYPE		STROKE LTH.		BOTTOM 50		BOTTOM 84											
178		159.10		DC		74		178		5H-90		21		EMSCO		F-1000		254															
127		74.35		HWDP		78		127		4.5 IF		26		EMSCO		F-1000		254															
127		29.02		E2		94		127		4.5 IF		170																					
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	TOTAL						
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUTOFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIFFLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	drill out flow	leakoff test										
MORN		5.75					0.25			0.25												1.00	0.75				8.00						
DAY		7.00								1.00																	8.00						
EVE		7.00					0.25			0.75																	8.00						
TOTAL		19.75					0.50			2.00												1.00	0.75				24.00						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	BIT RECORD	MUD RECORD	METERS DRILLED	TIME LOG	TIME DETAIL
1	BIT / MILLS	O.D. mm	0.25	BIT NO.	1C	
1	STAB / SUB	222	0.24	SIZE (mm)	222.0	
1	MOTOR	171	7.68	IADC CODE	5 3 7	
1	FLOAT SUB	164	0.71	MFG.	SECURITY	
1	REAMER	222	1.77	Type	XS30S	
1	X.O.	172	0.55	SERIAL NO.	752900	
1	MONEL	167	9.46	JETS (mm)	12 12 12	
1	TRANS SUB	165	2.13	DEPTH IN (m)	1092.00	
1	X.O.	157	0.42	DEPTH OUT (m)		
1	MONEL	165	9.06	TOTAL METER	161.00	
1	STAB	222	1.38	TOTAL HOURS	12.75	
9	D.C.	178	84.90			
1	JAR	175	5.04			
12	D.C.	178	113.74			
1	X.O.	159	1.20			
12	H.W.D.P.	127	109.98			
	BHA=348.51					
31	DRILLPIPE STANDS					
1	DRILLPIPE SINGLES	892.26				
	DOWN	12.26				
	TOTAL	1253.03				
	WT. OF D.C.	35				
	WT. OF STRING	81				
DRILLERS SIGNATURE GARY PATRICK						
MUD MATERIALS USED						
SOLIDS CONTROL EQUIPMENT						
DESILTER						
CENTRIFUGE						
DEVIATION SURVEY						
BOILER						
STACK deg						
MACP						
MAX HOOKLOAD						

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (Using Check List)
(3) H2S Signs Posted(If Required)
(4) Well License & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOP's - Flarelines & Degasser Lines
(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A..O.D.C. Rig Safety Inspection Checklist(one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

Opr. R.M. YEAR 2002 MONTH 1 DAY 24

WC GF RIG NO.: 58

WC GF FUEL @ 08:00 HRS.

WC GF RIG 112 BOILER

GF WEATHER TEMPERATURE -36

GF CONDITIONS LT. BREEZE

GF WIND DIRECTION CALM

GF ROAD CONDITION SLIPPERY

WILBERT CALLIHOO

SAFETY TOPIC

MULTIPLE WINCHES

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve			
	339.7		320.4		81.10				K-55						6.60		502.00		NO. 2	TYPE DERRI		TYPE F.L.C																
																	1098.00		CHANGE SCREENS				YES	x	NO													
																			TOP 50		TOP 85																	
DC. DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 50		MIDDLE 85																
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																				
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254																				
127		29.02		E2		89		127		4.5 IF		170								BOTTOM 50		BOTTOM 85																
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	TOTAL											
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	COBING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRING	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	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	CLEAN TAN	Instal wear	HANDLE TO														
MORN														4.50	1.50							2.00				8.00												
DAY						0.75																	1.00	5.75	0.50	8.00												
EVE					2.00	1.25	0.25	1.50							2.25										0.75	8.00												
TOTAL					2.00	2.00	0.25	1.50						4.50	3.75							2.00	1.00	5.75	1.25	24.00												

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/ MILLS O.D. mm 0.25 m

1 STAB/SUB 222 0.24 m

1 MOTOR 171 7.68 m

1 FLOAT SUB 164 0.71 m

1 REAMER 222 1.77 m

1 X.O. 172 0.55 m

1 MONEL 167 9.46 m

1 TRANS SUB 165 2.13 m

1 X.O. 157 0.42 m

1 MONEL 165 9.06 m

1 STAB 222 1.38 m

6 D.C. 178 56.46 m

1 JAR 175 5.04 m

15 D.C. 178 142.18 m

1 X.O. 159 1.20 m

12 H.W.D.P. 127 109.98 m

BHA=348.51 m

DRILLPIPE STANDS m

DRILLPIPE SINGLES m

KID DOWN m

TOTAL 348.51 m

WT. OF D.C. 1000 dan

WT. OF STRING 1000 dan

BIT NO. 3

SIZE (mm) 222.0

IADC CODE 5 3 7

MFG. SECURITY

Type XS30S

SERIAL NO. 752900

JETS (mm) 16 16 16

DEPTH IN (m) 1092.00

DEPTH OUT (m)

TOTAL METER

TOTAL HOURS

INNER

OUTER

DULL

LOCATION

BEARINGS

GAGE mm

OTHER

REASON

R.O.P.

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FLCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

HRS. RUN

BOILER PH

STACK deg

MACP

MAX HOOKLOAD

FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT. ON BIT

1098.00

Circ. Press (kPa)

PUMP NO. 1 LINER(mm) SPM

PUMP NO. 2 LINER(mm) SPM

152.0 152.0

REDUCED PUMP SPEED

@ @

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

CENTRIFUGE

HOURS INTAKE OVERFLOW UNDERFLOW

DEVIATION SURVEY

HOURS INTAKE OVERFLOW UNDERFLOW

8.00 10.5 260

FROM TO ELAPSED TIME CODE

0 200 2.00 22

200 630 4.50 14

630 800 1.50 15

800

CLEAN TANKS & PICK UP BHA

NIPPLE UP B.O.P.

TEST BLIND RAMS; CASING; FLOAT , 1500 KPA LOW, 14000 KPA HIGH,

HELD FOR 10 MINUTES EACH TEST

Notes: CHECKED CROWN SAVER; FASTUNE CLAMP; DEADMAN ANCHOR

BLEW DOWN BOILER 3 TIMES

ACCUM. 32cm

DRILLERS SIGNATURE DON BLAYONE

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Preformed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		WC WC GF WC GF WC GF WC GF WC GF		RIG NO.: 58	
OPERATOR. : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A..O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		FUEL @ 08:00 HRS. RIG 112 BOILER			
SURFACE LOCATION. : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450				GF GF GF		WEATHER TEMPERATURE -36 CONDITIONS LT BREEZE WIND DIRECTION CALM ROAD CONDITION SLIPPERY	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)							

STEAM HOSES

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve			
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																
															6.60		1098.00		CHANGE SCREENS				YES	X	NO													
	DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 50		TOP 85															
228	286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254		MIDDLE 50		MIDDLE 85																	
178	159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254		BOTTOM 50		BOTTOM 85																	
127	29.02		E2		89		127		4.5 IF		170																											
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	TOTAL											
OPER.	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	HI-PLE UP B.D.P.	TEST B.D.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	CLEAN TAN	Install wear	HANDLE TO														
MORN														4.50	1.50							2.00				8.00												
DAY						0.75																	1.00	5.75	0.50	8.00												
EVE					2.00	1.25	0.25	1.50							2.25									0.75		8.00												
TOTAL					2.00	2.00	0.25	1.50						4.50	3.75							2.00	1.00	5.75	1.25	24.00												

[illegible]

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	
WILBERT CALLIHOO		SAFETY TOPIC lock out	
LAST CASING TUBING OR LINER		O.D. mm MIN. I.D kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)	
339.7 320.4 81.10 K-55		502.00 6.60 1098.00	
DC. DP SIZE KG / M GRADE MIN. ID TOOL JT. O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.		SHALE SHAKER(S) NO. 2 TYPE DERRI TYPE F.L.C	
228 286.40 DC 72 228 7 H-90 9 EMSCO F-1000 254		CHANGE SCREENS TOP 50 TOP 85	
178 159.10 DC 74 178 5 H-90 32 EMSCO F-1000 254		MIDDLE 50 MIDDLE 85	
127 29.02 E2 89 127 4.5 IF 170		BOTTOM 50 BOTTOM 85	
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 TOTAL			
OPER. RIQUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. MUD & CRIC. TRIPS RIG SERVICE REPAIR RIG CUT OFF DRUG. LINE DEV. SURVEY WIRELINE LOGS RUN CSG. & CEMENT WAIT ON CEMENT NIPPLE UP B.O.P. TEST B.O.P. DRILL STEM PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING CLEAN TAN install wear HANDLE TC			
MORN		4.50 1.50 2.00	
DAY		0.75 1.00 5.75 0.50	
EVE		2.00 1.25 0.25 1.50 2.25 0.75	
TOTAL		2.00 2.00 0.25 1.50 4.50 3.75 2.00 1.00 5.75 1.25 24.00	
NO. DRILLING ASSEMBLY (AT END OF TOUR)		BIT RECORD	
1 BIT / MILLS O.D. mm 0.25 m		BIT NO. 3	
1 STAB / SUB 222 0.24 m		SIZE (mm) 222.0	
1 MOTOR 171 7.68 m		IADC CODE 5 3 7	
1 FLOAT SUB 164 0.71 m		MFG. SECURITY	
1 REAMER 222 1.77 m		Type XS30S	
1 X.O. 172 0.55 m		SERIAL NO. 752900	
1 MONEL 167 9.46 m		JETS (mm) 12 12 12	
1 TRANS SUB 165 2.13 m		DEPTH IN (m) 1092.00	
1 X.O. 157 0.42 m		DEPTH OUT (m)	
1 MONEL 165 9.06 m		TOTAL METER	
1 STAB 222 1.38 m		TOTAL HOURS	
9 D.C. 178 84.90 m		MUD MATERIALS USED	
1 JAR 175 5.04 m		TYPE QTY UNITS	
12 D.C. 178 113.74 m		SOLIDS CONTROL EQUIPMENT	
1 X.O. 159 1.20 m		DESILTER	
12 H.W.D.P. 127 109.98 m		CENTRIFUGE	
BHA=348.51		HOURS INTAKE OVERFLOW UNDERFLOW	
25 DRILLPIPE STANDS		HOURS INTAKE OVERFLOW UNDERFLOW	
1 DRILLPIPE SINGLES 729.61 m		HOURS INTAKE OVERFLOW UNDERFLOW	
KICK DOWN 12.00 m		HOURS INTAKE OVERFLOW UNDERFLOW	
TOTAL 1090.12 m		HOURS INTAKE OVERFLOW UNDERFLOW	
WT. OF D.C. 35		HRS. RUN BOILER PH STACK deg.	
WT. OF STRING 76		MACP 0 MAX HOOKLOAD 80	
DRILLERS SIGNATURE ALLAN LICKOCH		Notes: checked; crown saver, fastline clamp, deadline anchor	
		blow boiler down three times	
		TOTAL MEGAJOULES = 344597	
		ACCUMULATED MEGAJOULES =19195	

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A..O.D.C. Rig Safety Inspection Checklist(one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

Opr. WC
WC
WC
WC
WC
WC

R.M.

YEAR 2002 MONTH 1 DAY 23
RIG NO.: 58
FUEL @ 08:00 HRS.
RIG 132 BOILER
WEATHER: TEMPERATURE -35
CONDITIONS LT. BREEZE
WIND DIRECTION N.W.
ROAD CONDITION SNOW

WILBERT CALLIHOO												SAFETY TOPIC										HAND SIGNALS															
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)	SHALE SHAKER(S)					RENTALS / SERVICES										Morn.	Day	Eve		
	339.7		320.4		81.10				K-55.								502.00	NO. 2	TYPE DERRI		TYPE F.L.C																
																		CHANGE SCREENS					YES x NO														
																		TOP 50		TOP 85																	
DC. DP SIZE	KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.	MIDDLE 50		MIDDLE 85																	
228	286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																				
178	159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254																				
127	29.02		E2		89		127		4.5 IF		170							BOTTOM 50		BOTTOM 85																	
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	TOTAL										
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	CUT CASIN	PREP TO DI														
MORN														4.50								3.50					8.00										
DAY														2.00									6.00				8.00										
EVE																																					
TOTAL														6.50								3.50	6.00				16.00										

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS

O.D. mm

m

BIT NO.

SIZE (mm)

IADC CODE

MFG.

Type

SERIAL NO.

JETS (mm)

DEPTH IN (m)

DEPTH OUT (m)

TOTAL METER

TOTAL HOURS

DRILLPIPE STANDS

DRILLPIPE SINGLES

KNOW DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

WATER BASED

OIL BASED

X

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

DRAG dan

TORQUE

FILL m

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

Circ. Press (kPa)

PUMP NO. 1

PUMP NO. 2

REDUCED PUMP SPEED

SOLIDS CONTROL EQUIPMENT

DESILTER

CENTRIFUGE

BOILER

STACK deg

MACP

MAX HOOKLOAD

FROM

TO

ELAPSED TIME

CODE

CUT CASING & PREP FOR NEW SPOOLS

NIPPLE UP B.O.P.

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HRS. RUN

PH

255

0

Notes: CHECKED CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR

BLEW DOWN BOILER 3 TIMES

ACCUM. 32

DAY SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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(4) Well License & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOP's - Flarelines & Degasser Lines

Opr. WC
WC
WC
WC
WC

R.M.

YEAR 2002 MONTH 1 DAY 23
RIG NO.: 58
FUEL @ 08:00 HRS.
RIG 132 BOILER
TEMPERATURE -35
CONDITIONS LT. BREEZE
WIND DIRECTION N.W.
ROAD CONDITION SNOW

WEATHER

SAFETY TOPIC

NIPPLE UP B.O.P.

WILBERT CALLIHOO														SAFETY TOPIC										NIPPLE UP B.O.P.				
LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve		
	339.7	320.4	81.10		K-55				502.00	NO. 2	TYPE DERRI	TYPE F.L.C																
										CHANGE SCREENS			YES	x	NO													
										TOP 50		TOP 85																
										MIDDLE 50		MIDDLE 85																
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	BOTTOM 50		BOTTOM 85																
228	286.40	DC	72	228	7 H-90	9	EMSCO	F-1000	254																			
178	159.10	DC	74	178	5 H-90	32	EMSCO	F-1000	254																			
127	29.02	E2	89	127	4.5 IF	170																						
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	TOTAL	
OPER.	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.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	CUT CASIN	PREP TO DI					
MORN														4.50								3.50						8.00
DAY														2.00									6.00					8.00
EVE																												
TOTAL														6.50								3.50	6.00				16.00	

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS

O.D. mm

m

BIT NO.

m

SIZE (mm)

m

IADC CODE

m

MFG.

m

Type

m

SERIAL NO.

m

JETS (mm)

m

DEPTH IN (m)

m

DEPTH OUT (m)

m

TOTAL METER

m

TOTAL HOURS

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KNOWLEDGE DOWN

m

TOTAL

m

WT. OF D.C.

1000 dan

TORQUE

1000 dan

WT. OF STRING

1000 dan

FILL m

DRILLERS SIGNATURE

GARY PATRICK

WATER BASED

OIL BASED

X

TIME

DENSITY kg/m3

FUNNEL VIS s/1

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

FROM

TO

ELAPSED TIME

CODE

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

MACP

0

MAX HOOKLOAD

PUMP NO. 1

PUMP NO. 2

Circ. Press (kPa)

LINER(mm)

SPM

LINER(mm)

SPM

152.0

152.0

HRS. RUN

8.00

PH

10.5

STACK deg

280

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

BOILER BLOWN DOWN 3 TIMES.

EVENING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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(2) Detailed Inspection-Weekly (Using Check List)
(3) H2S Signs Posted(If Required)
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(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOP's - Flarelines & Degasser Lines
(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

Opr. WC
WC
WC
WC
WC
WC

R.M.

YEAR 2002
MONTH 1
DAY 23

RIG NO. : 58

FUEL @ 08:00 HRS.

RIG 132

BOILER

TEMPERATURE -35

CONDITIONS LT. BREEZE

WIND DIRECTION N.W.

ROAD CONDITION SNOW

WILBERT CALLIHOO

SAFETY TOPIC

P.P.E.

LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)		RENTALS / SERVICES										Morn	Day	Even											
	339.7	320.4	81.10		K-55				502.00	NO. 2	TYPE DERRI	TYPE F.L.C																							
CHANGE SCREENS											TOP 50	TOP 85																							
											MIDDLE 50	MIDDLE 85																							
											BOTTOM 50	BOTTOM 85																							
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.																										
228	286.40	DC	72	228	7 H-90	9	EMSCO	F-1000	254																										
178	159.10	DC	74	178	5 H-90	32	EMSCO	F-1000	254																										
127	29.02	E2	89	127	4.5 IF	170																													
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	TOTAL								
OPER.	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.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	CUT CASIN	PREP TO DR												
MORN														4.50								3.50					8.00								
DAY														2.00									6.00				8.00								
EVE																																			
TOTAL														6.50								3.50	6.00				16.00								

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS

O.D. mm

m

BIT NO.

m

SIZE (mm)

m

IADC CODE

m

MFG.

m

Type

m

SERIAL NO.

m

JETS (mm)

m

DEPTH IN (m)

m

DEPTH OUT (m)

m

TOTAL METER

m

TOTAL HOURS

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

INNER

OUTER

DULL

LOCATION

BEARINGS

GAGE(mm)

OTHER

REASON

R.O.P.

DOWN

TOTAL

WT. OF D.C.

1000 dan

DRAG dan

WT. OF STRING

1000 dan

TORQUE

FILL m

DRILLERS SIGNATURE

DON BLAYONE

WATER BASED

OIL BASED

X

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

Circ. Press (kPa)

PUMP NO. 1

SPM

PUMP NO. 2

SPM

REDUCED PUMP SPEED

@

@

MUD MATERIALS USED

TYPE

QTY

UNITS

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

HRS. RUN

BOILER PH

STACK deg

MACP

0

MAX HOOKLOAD

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

FROM

TO

ELAPSED TIME

CODE

1098.00

1600

2400

8.00

CLEAN MUD TANKS,PICK UP BHA

Notes: CHECKED C ROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR

BLEW DOWN BOILER 3 TIMES

AMJ; 18511 - TMJ; 343913

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO. : 58 FUEL @ 08:00 HRS. RIG 118 BOILER	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		WEATHER TEMPERATURE -30 CONDITIONS CALM WIND DIRECTION N.W. ROAD CONDITION ICE	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450					
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)					

CEMENTING

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve			
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																		
																			CHANGE SCREENS			Y	M	X	N															
																			TOP 50		TOP 85																			
																			MIDDLE 50		MIDDLE 85																			
																				BOTTOM 50		BOTTOM 85																		
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.																						
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																						
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254																						
127		29.02		E2		89		127		4.5 IF		170																												
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	TOTAL												
OPER.		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	change cas	rig v clrc ca	set slips															
MORN													5.75									0.25	2.00				8.00													
DAY						4.00							3.25									0.25		0.50			8.00													
EVE														6.75											1.25		8.00													
TOTAL						4.00							9.00		6.75							0.50	2.00	0.50	1.25		24.00													

[illegible]

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted (If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO. : 58 WC WC WC WC WC	
OPERATOR. : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		FUEL @ 08:00 HRS. RIG 144 BOILER	
SURFACE LOCATION. : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450				TEMPERATURE -30 CONDITIONS BREEZY WIND DIRECTION S.E. ROAD CONDITION SNOW	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)				WEATHER	

ROLLING PIPE

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D.		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C															
																			CHANGE SCREENS			YES	x	NO													
	TOP 50																		TOP 85																		
DC . DP SIZE	KG / M	GRADE	MIN.ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 50		MIDDLE 85																						
228	286.40	DC	72	228	7 H-90	9	EMSCO		F-1000		254																										
178	159.10	DC	74	178	5 H-90	32	EMSCO		F-1000		254																										
127	29.02	E2	89	127	4.5 IF	170							BOTTOM 50		BOTTOM 85																						
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	TOTAL										
OPER.	GROUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR/RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSQ. & CEMENT	WAIT ON CEMENT	PIPELINE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	thaw Kelly s	work blocks	TONGS													
MORN						0.50	0.25				6.75												0.50			8.00											
DAY		2.50			1.00	3.75																0.75				8.00											
EVE					1.00	3.00	0.25					2.25									0.25			1.25		8.00											
TOTAL		2.50			2.00	7.25	0.50				6.75	2.25									0.25	0.75	0.50	1.25		24.00											

[illegible]

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Preformed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO. : 58 FUEL @ 08:00 HRS.	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		RIG 144 BOILER WEATHER TEMPERATURE -30 CONDITIONS BREEZY WIND DIRECTION S.E. ROAD CONDITION SNOW	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450					
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)					

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)			RENTALS / SERVICES				Morn	Day	Eve	
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C							
																			CHANGE SCREENS	YES	x	6							
																			TOP	50		TOP	85						
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE	50		MIDDLE	85					
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254		BOTTOM	50		BOTTOM	85					
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254											
127		28.02		F2		89		127		4.5 IF		170																	

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	TOTAL
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	thaw Kelly s	work blocks	TONGS			
MORN						0.50	0.25				6.75												0.50				8.00
DAY		2.50			1.00	3.75																0.75					8.00
EVE					1.00	3.00	0.25					2.25									0.25			1.25			8.00
TOTAL		2.50			2.00	7.25	0.50				6.75	2.25									0.25	0.75	0.50	1.25			24.00

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL							
NO.	BIT/ MILLS	O.D. mm		BIT NO.	2			WATER BASED		OIL BASED		X	FROM	TO	DRILL/ REAM/C.R.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE						
1	BIT SUB	226	0.82 m	SIZE(mm)	311.2			TIME	1400	1600			1092.00	1098.73	D	120	15	800	1115	3.25	6	TRIP IN HOLE.					
3	D.C.	228	27.48 m	IADC CODE	5	3	7	DENSITY kg/m3	1040	1040								1115	1145	0.50	6	PICK UP SINGLES.					
1	BELL SUB	232	1.31 m	MFG.	HUGHES			FUNNEL VIS s/l	90	81								1145	1230	0.75	22	THAW OUT KELLY SOCK.					
1	JAR	171	4.76 m	Type	GTS20			W.L cm/ FILCK					Circ. Press (kPa)	PUMP NO. 1		PUMP NO. 2		1230	1300	0.50	5	WASH 20m. TO BOTTOM. NO FILL					
6	H.W.D.P.	127	54.74 m	SERIAL NO.	W22DT			PH					LINER(mm)	SPM	LINER(mm)	SPM		1300	1530	2.50	2	DRILL 311.2mm HOLE FROM 1092m.-T/ 1098.73m.					
	BHA=236.13			JETS (mm)	19.1	19.1		PVT m3	64.70	62.20			REDUCED PUMP SPEED					1530	1600	0.50	5	CIRCULATE HOLE CLEAN PRIOR TO TRIP.					
				DEPTH IN (m)	1092.00			MUD MATERIALS USED					2200	@	80	@	1098	1600									
				DEPTH OUT (m)	1098.00			TYPE	QTY	UNITS	SOLIDS CONTROL EQUIPMENT																
				TOTAL METER	6.00			BARITE	25	sxs	DESILTER																
1	SAVER SUB		0.67 m	TOTAL HOURS	2.50						CENTRIFUGE																
30	DRILLPIPE	STANDS		INNER	OUTER	DULL	LOCATION	BEARINGS	GAGE/mm	OTHER	REASON	R.O.P.															
2	DRILLPIPE	SINGLES	881.91 m										DEVIATION SURVEY														
	KELLY DOWN	12.13	m										DEPTH (m)	DEVIATION	DIRECTION												
	TOTAL	1098.73	m										BOILER														
	WT. OF D.C.	34	1000 dan	DRAG DAN	3000 UP &								HRS. RUN	PH	STACK deg	Notes: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE.											
	WT. OF STRING	71	1000 dan	TORQUE	220								8.00	10.5	280	BOILER BLOWN DOWN 3 TIMES											
				FILL m	0.00								MACP					3914	HELD WATCHDOG MEETING								
													MAX HOOKLOAD					74	R.S.P.P. FLOW RATE= 29%								
DRILLERS SIGNATURE GARY PATRICK																											

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO. 58 FUEL @ 08:00 HRS.	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		RIG 144 BOILER TEMPERATURE -30 CONDITIONS BREEZY WIND DIRECTION S.E. ROAD CONDITION SNOW	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450					
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)					

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve		
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C															
																			CHANGE SCREENS				3/4" x 3/8"														
DC . DP SIZE	KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 50		TOP 85																
228	286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254		MIDDLE 50		MIDDLE 85																
178	159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254		BOTTOM 50		BOTTOM 85																
127	29.02		E2		89		127		4.5 IF		170																										
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	TOTAL										
OPER.	GROUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR/RIG	CUT OFF DR.L.G. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	WIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	thaw Kelly s	work blocks	TONGS													
MORN						0.50	0.25				6.75												0.50					8.00									
DAY		2.50			1.00	3.75																0.75						8.00									
EVE					1.00	3.00	0.25					2.25									0.25			1.25				8.00									
TOTAL		2.50			2.00	7.25	0.50				6.75	2.25									0.25	0.75	0.50	1.25				24.00									

[illegible]

LICENCE NO. : **1935**

WELL NAME AND NO. :

PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : **PARAMOUNT RESOURCES LTD.**

CONTRACTOR: **AKITA DRILLING LTD.**

SURFACE LOCATION.: 60:15:19.82 122

UNIQUE I.D. : **300F66020122450**

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

Opr.	R.M.	YEAR	2002	MONTH	1	DAY	20
WC	GF	RIG NO.:	58				
WC	GF	FUEL @ 08:00 HRS.					
WC	GF						
WC	GF	RIG	110		BOILER		
WC	GF	WEATHER	TEMPERATURE 25				
WC	GF		CONDITIONS BREEZY				
WC	GF		WIND DIRECTIONS W.				
WC	GF		ROAD CONDITION SLIPPERY				

WILBERT CALLIHOO

SAFETY TOPIC

TRIPPING

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve																				
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI	TYPE F.L.C																																		
																			CHANGE SCREENS		YES	x	NO																																
	TOP 50																		TOP 85																																				
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 50		MIDDLE 85																																	
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																																					
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254																																					
127		29.02		E2		89		127		4.5 IF		170								BOTTOM 50		BOTTOM 85																																	
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		TOTAL	
OPER.		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		PIPELINE UP B.O.P		TEST B.O.P.		DRILL STEM		PLUG BACK		SQUEEZE CEMENT		FISHING		DIRECTIONAL WORK		SAFETY MEETING													
MORN				7.25										0.25						0.50																														8.00					
DAY				5.25						1.50		0.50		0.25						0.50																												8.00							
EVE												2.75										2.25																3.00								8.00									
TOTAL				12.50						1.50		3.25		0.50						1.00		2.25																3.00								24.00									

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL									
NO.	BIT/ MILLS	O.D. mm		BIT NO.				WATER BASED		OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE									
1	STAB /SUB	228	0.40	m	SIZE (mm)	311.2			TIME								1600	1845	2.75	6	TRIP OUT OF HOLE. STRAP OUT. FLOW CHECK @ 890m.(10stds)								
1	MOTOR	245	9.29	m	IADC CODE	5	3	7	DENSITY kg/m3								1845				flow check @ 230m.(HWDP),								
1	FLOAT SUB	231	0.65	m	MFG.	HUGHES			FUNNEL VIS s/l								1845	2030	1.75	20	LAY DOWN TOOLS								
1	STAB	228	2.25	m	Type	GTS20			W.L. cmv/ FILCK								2030	2145	1.25	20	SERVICE DIR. TOOLS								
1	MONEL	238	9.15	m	SERIAL NO.	W22DT			PH								2145	2400	2.25	11	RIG UP LOGGERS (BAKER/HUGHES)								
1	TRANS SUB	227	1.99	m	JETS (mm)	19	19	19	REDUCED PUMP SPEED				Circ. Press (kPa)	PUMP NO. 1		PUMP NO. 2		2400				LOG #1 ;HDIL- MAC- DENCITY- ZDL- CN- GR- XY							
3	D.C.	228	27.48	m	DEPTH IN (m)	870.00			MUD MATERIALS USED				LINEER(mm)		SPM		LINEER(mm)		SPM		HOLE FILL ; CALC.= 8.81m3								
1	BELL SUB	232	1.31	m	DEPTH OUT (m)	1092.00			TYPE	QTY	UNITS	SOLIDS CONTROL EQUIPMENT								MEAS.= 9.06m3 DIF.=									
1	JAR	171	4.76	m	TOTAL METER	222.00							DESILTER																
12	D.C.	178	113.41	m	TOTAL HOURS	36.00							CENTRIFUGE								STRAP=1092.00								
1	X.O.	159	1.20	m	INNER	OUTER	PULL	LOCATION	BEARINGS	GAGE(mm)	OTHER	REASON	R.O.P.					HOURS	INTAKE	OVERFLOW	UNDERFLOW	BOARD=1092.00							
6	H.W.D.P.	127	54.74	m									DEVIATION SURVEY																
	BHA=236.13			m	DEPTH (m)	DEVIATION			DIRECTION																				
				m													BOILER				Notes: CHECKED CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR								
				m													HRS. RUN				STACK deg.								
				m													8.00				10.5				270				
				m													MACP				3964								
				m													MAX HOOKLOAD				40								
DRILLERS SIGNATURE					DON BLAYONE																								

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR :
PARAMOUNT RESOURCES LTD.

CONTRACTOR :
AKITA DRILLING LTD.

SURFACE LOCATION :
60:15:19.82 122

UNIQUE I.D. :
300F66020122450

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A..O.D.C. Rig Safety Inspection Checklist(one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

Opr.

R.M.

YEAR 2002 MONTH 1 DAY 20

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 110 BOILER

TEMPERATURE -25

CONDITIONS BREEZY

WIND DIRECTIONS W.

ROAD CONDITION SLIPPERY

SAFETY TOPIC

WORKING INCOLD TEMP.

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve	
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C														
											CHANGE SCREENS						YES	x	6																	
	TOP 50				TOP 85																															
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 50		MIDDLE 85														
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																		
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254																		
127		29.02		E2		89		127		4.5 IF		170								BOTTOM 50		BOTTOM 85														
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	TOTAL									
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.D.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING															
MORN		7.25					0.25			0.50																8.00										
DAY										0.25																0.25										
EVE																																				
TOTAL		7.25					0.25			0.75																8.25										

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/MILLS O.D.mm 0.30 m BIT NO. 2

1 STAB/SUB 228 0.40 m SIZE (mm) 311.2

1 MOTOR 245 9.29 m IADC CODE 5 3 7

1 FLOAT SUB 231 0.65 m MFG. HUGHES

1 STAB 228 2.25 m Type GTS20

1 MONEL 238 9.15 m SERIAL NO. W22DT

1 TRANS SUB 227 1.99 m JETS (mm) 19.19.19.4

1 MONEL 239 9.20 m DEPTH IN (m) 870.00

3 D.C. 228 27.48 m DEPTH OUT (m)

1 BELL SUB 232 1.31 m TOTAL METER 183.00

1 JAR 171 4.76 m TOTAL HOURS 30.75

12 D.C. 178 113.41 m

1 X.O. 159 1.20 m

6 H.W.D.P. 127 54.74 m

BHA=236.13

28 DRILLPIPE STANDS 805.03 m

DRILLPIPE SINGLES

KEY DOWN 12.00 m

TOTAL 1053.16 m

WT. OF D.C. 38 1000 dan

WT. OF STRING 74 1000 dan

DRILLERS SIGNATURE

WATER BASED OIL BASED X

TIME 200 400 600

DENSITY kg/m3 1025 1030 1025

FUNNEL VIS s/l 61 57 61

W.L. cm/ FILCK

PH

PVT 68.60 67.50 65.70

MUD MATERIALS USED

TYPE QTY UNITS

BARITE 37 SXS

CARBOGEL 10 SXS

LIME 10 SXS

OIL MUD 8 M3

REDUCED PUMP SPEED

2600 @ 80 @ 1033

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

CENTRIFUGE

HOURS INTAKE OVERFLOW UNDERFLOW

DEVIATION SURVEY

DEPTH (m) DEVIATION DIRECTION

978.00 0.10 215.3

1016.00 0.10 240.6

HRS. RUN BOILER PH STACK deg

8.00 10.5 270

MACP 3964

MAX HOOKLOAD 76

Notes: CHECKED CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR

BLEW DOWN BOILER 3 TIMES

28% FLOW @ RSPP

ACCUM. 35 cm

DAY SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. : 300F66020122450

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WILBERT CALLIHOO

SAFETY TOPIC

SPILL RESPONSE

LAST CASING TUBING OR LINER

0.D. mm

MIN. I.D

kg/m

MAKE

GRADE

OF JOINTS

TOTAL (m)

KB TO CSG.

SET AT (m)

SHAPE SHAKER(S)

RENTALS / SERVICES

Morn

Day

Eve

DC . DP SIZE

KG / M

GRADE

MIN. ID

TOOL JT. O.D.

TYPE THREAD

OF JOINTS

PUMP MANUFACTURER

PUMP TYPE

STROKE LTH.

NO. 2

TYPE DERRI

TYPE F.L.C

CHANGE SCREENS

X

YES

NO

TOP 50

TOP 85

MIDDLE 50

MIDDLE 85

BOTTOM 50

BOTTOM 85

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

TOTAL

OPER.

RIGUP & TEARDOWN

DRILL ACTUAL

REAMING

CORING

COND. MUD & CIRC.

TRIPS

RIG SERVICE

REPAIR RIG

CUT OFF DRILL LINE

DEV. SURVEY

WIRELINE LOGS

RUN CSQ. & CEMENT

WAIT ON CEMENT

NIPPLE UP B.O.P.

TEST B.O.P.

DRILL STEM

PLUG BACK

SQUEEZE CEMENT

FISHING

DIRECTIONAL WORK

SAFETY MEETING

MORN

DAY

EVE

TOTAL

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1

BIT / MILLS

O.D. mm

0.30

m

BIT NO.

2

SIZE (mm)

311.2

WATER BASED

OIL BASED

X

FROM

TO

DRILL / REAM / CR.

ROTARY R.P.M.

WT. ON BIT

FROM

TO

ELAPSED TIME

CODE

TIME DETAIL

1

STAB / SUB

228

0.40

m

1

MOTOR

245

9.29

m

1

FLOAT SUB

231

0.65

m

1

STAB

228

2.25

m

1

MONEL

238

9.15

m

1

TRANS SUB

227

1.99

m

1

MONEL

239

9.20

m

3

D.C.

228

27.48

m

1

BELL SUB

232

1.31

m

1

JAR

171

4.76

m

12

D.C.

178

113.41

m

1

X.O.

159

1.20

m

6

H.W.D.P.

127

54.74

m

24

DRILLPIPE STANDS

690.21

m

1

DRILLPIPE SINGLES

9.76

m

KELLY DOWN

8.90

m

TOTAL

945.00

m

WT. OF D.C.

38

1000 dan

DRAG dan

0

WT. OF STRING

74

1000 dan

TORQUE

190

FILL m

DRILLERS SIGNATURE

GARY PATRICK

TIME

800

1000

1600

DENSITY kg/m3

1050

1025

1035

FUNNEL VIS s/l

62

60

61

W.L. cm / FILCK

PH

PVT m3

72.40

69.50

68.60

MUD MATERIALS USED

TYPE

QTY

UNITS

BARITE

21

SXS

CALCIUM CHLORID

20

SXS

LIME

10

SXS

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

920.34

0.20

238.5

BOILER

HRS. RUN

PH

STACK deg

8.00

10.5

280

MACP

3964

MAX HOOKLOAD

74

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

BOILER BLOWN DOWN 3 TIMES

R.S.P.P. FLOW RATE= 32% , GREASED BLOCKS & CROWN.

HELD COMPETENCY TRAINING MEETING WITH CREW

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO.: 58 FUEL @ 08:00 HRS. RIG 149 BOILER 260	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. : 300F66020122450					
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)					

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

- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kills Checked

Opr.	R.M.	YEAR 2002	MONTH 1	DAY 17
WC		RIG NO.:	58	
WC		FUEL @ 08:00 HRS.		
WC		RIG	149	BOILER 260
WC		WEATHER	TEMPERATURE	
WC			CONDITIONS	
WC			WIND DIRECTION	
WC			ROAD CONDITION	

SAFETY TOPIC	ICY SURFACES
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[illegible][illegible]

LICENCE NO. : 1935	WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66																										
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : AKITA DRILLING LTD.																										
SURFACE LOCATION : 60:15:19.82 122	UNIQUE I.D. : 300F66020122450																										
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)																									
WILBERT CALLIHOO		SAFETY TOPIC INVERT MUD																									
LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)		RENTALS / SERVICES										Morn	Day	Eve			
	339.7	320.4	81.10		K-55				502.00	NO. 2	TYPE DERRI	TYPE F.L.C															
										CHANGE SCREENS		YES x 6															
											TOP 38	TOP 38															
DC. DP SIZE	KG / M	GRADE	MIN ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMPTYPE	STROKE LTH.	MIDDLE 38		MIDDLE 38															
228	286.40	DC	72	228	7 H-90	9	EMSCO	F-1000	254	BOTTOM 38		BOTTOM 38															
178	159.10	DC	74	178	5 H-90	32	EMSCO	F-1000	254																		
127	29.02	E2	89	127	4.5 IF	170																					
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	TOTAL
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSQ. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING						
MORN		7.50					0.25			0.25																8.00	
DAY		7.50					0.25			0.25																8.00	
EVE		7.50					0.25			0.25																8.00	
TOTAL		22.50					0.75			0.75																24.00	
NO. DRILLING ASSEMBLY (AT END OF TOUR)		BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG										TIME DETAIL			
1	BIT/ MILLS	O.D.mmm	0.30	m	BIT NO.	1	WATER BASED		OIL BASED X		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE								
1	STAB /SUB	228	0.40	m	SIZE (mm)	311.0	TIME	1600	2000	2400	799.00	830.00	D	35	18	1600	1930	3.50	2	DRILL 311.2mm. HOLE F/ 799m. T/- 814m.							
1	MOTOR	245	9.29	m	IADC CODE	4 4 7	DENSITY kg/m3	1030	1020	1030						1930	1945	0.25	7	BLOW OUT MUDLINE & CHANGE WASHED O-RING IN 4" UNION.							
1	FLOAT SUB	231	0.65	m	MFG.	SMITH	FUNNEL VIS s/l	56	57	58						1945	2145	2.00	2	DRILL FROM 814m. T/- 822m.							
1	228mm NM	238	9.15	m	Type	F15T	W.L cm/ FILCK				Circ. Press (kPa)	PUMP NO. 1	SPM	PUMP NO. 2	SPM	2145	2200	0.25	10	DEV. SURVEY @ 804.27m. INC= .20, AZ= 243.1							
1	TRANS SUB	227	1.99	m	SERIAL NO.	MJ4516	PH				11500	152.0	95	165.1	95	2200	2400	2.00	2	DRILL FROM 822m. T/- 830m							
1	228mm NM	239	9.20	m	JETS (mm)	174,174,174	PVT m3	61.80	57.50	66.60	REDUCED PUMP SPEED		@ 822		@ 80												
3	228mm DC	228	27.48	m	DEPTH (m)	502.00	MUD MATERIALS USED		TYPE QTY UNITS		SOLIDS CONTROL EQUIPMENT		DESILTER		HOURS INTAKE OVERFLOW UNDERFLOW												
1	X.O.	169	1.31	m	DEPTH OUT(m)						CENTRIFUGE		HOURS INTAKE OVERFLOW UNDERFLOW														
1	JAR	171	4.75	m	TOTAL METER	328.00							HOURS INTAKE OVERFLOW UNDERFLOW														
12	178mm DC	178	113.41	m	TOTAL HOURS	61.00	DEVIATION SURVEY		DEPTH (m) DEVIATION DIRECTION		HRS. RUN PH STACK deg.		MACP 4013							Notes: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGES.							
1	X.O.	159	1.20	m					804.27 0.20 243.1		8.00 10.5 260																

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO. : 58	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		FUEL @ 08:00 HRS.	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. :		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		RIG 189 BOILER	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		WEATHER	
						TEMPERATURE	
						CONDITIONS	
						WIND DIRECTION	
						ROAD CONDITION	

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES				Morn	Day	Eve	
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI	TYPE F.L.C									
																			CHANGE SCREENS		YES	x	NO							
																			TOP 38		TOP 38									
																			MIDDLE 38		MIDDLE 38									
DC . DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.								BOTTOM 38		BOTTOM 38									
228	286.40	DC	72	228	7 H-90	9	EMSCO		F-1000		254																			
178	159.10	DC	74	178	5 H-90	32	EMSCO		F-1000		254																			
127	20.02	E2	80	127	4.5 IF	170																								

[illegible]

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL			
NO.	BIT/ MILLS	O.D. mm		BIT NO.	1			WATER BASED		OIL BASED		X	FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE		
1	STAB /SUB	228	0.40	m	SIZE (mm)	311.0		TIME	200	400	600		624.00	652.00	D	30	10	0	315	3.25	2	drill f/624m to 639m	
1	MOTOR	245	9.29	m	IADC CODE	4 4 7		DENSITY kg/m3	1035	1030	1040							315	330	0.25	7	rig service / function top pipe rams 7sec. c/s checked; RSPP	
1	FLOAT SUB	231	0.65	m	MFG.	SMITH		FUNNEL VIS s/l	55	57	56							330	415	0.75	5	circ. hole with pump #1 while changing head on pump #2	
1	STAB	228	2.25	m	Type	F15T		W.L cm/ FILCK										415	615	2.00	2	drill f/639m to649m	
1	228mm NM	238	9.15	m	SERIAL NO.	MJ4516		PH					Circ. Press (kPa)	PUMP NO. 1 LINER(mm)	SPM	PUMP NO. 2 LINER(mm)	SPM	615	630	0.25	10	DEV. SURVEY @ 631.24m	
1	TRANS SUB	227	1.99	m	JETS (mm)	17,17,17,17		p.v.t.	79.90	79.00	78.80		10200	152.0	95	165.1	95	630	730	1.00	2	drill f/649m to 652m	
1	228mm NM	239	9.20	m	DEPTH IN (m)	502.00		MUD MATERIALS USED					REDUCED PUMP SPEED						730	800	0.50	5	circ. hole w/ pump #2 while changing head & liner in pump #1
3	228mm DC	228	27.48	m	DEPTH OUT (m)			TYPE	QTY	UNITS			SOLIDS CONTROL EQUIPMENT						800				
1	X.O.	169	1.31	m	TOTAL METER	150.00		BARITE	210	SXS			DESILTER										
1	JAR	171	4.75	m	TOTAL HOURS	23.50		carbocel	20	SXS			HOURS	INTAKE	OVERFLOW	UNDERFLOW							
12	178mm DC	178	113.41	m				carbotrol	20	SXS			CENTRIFUGE										
1	X.O.	159	1.20	m									HOURS	INTAKE	OVERFLOW	UNDERFLOW							
6	H.W.D.P.	127	54.74	m																			
	BHA= 236.1			m																			
				m																			
				m																			
				m																			
14	DRILLPIPE STANDS	401.64	m	OUTER	PULL	LOCATION	BEARINGS	GAGE/mm	OTHER	REASON	R.O.R.	DEVIATION SURVEY				BOILER PH STACK deg				Notes: checked; crown saver, fastline clamp, deadline anchor			
1	DRILLPIPE SINGLES	9.56	m	INNER								DEPTH (m)	DEVIATION	DIRECTION	HRS. RUN				blow boiler down three times:				
	DOWN	4.68	m									631.24	0.40	298.2	8.00	10.5	265						
	TOTAL	652.00	m																				
	WT. OF D.C.	38	1000 dan		DRAG dan	0																	
	WT. OF STRING	66	1000 dan		TORQUE	250																	
					FILL m	0.00																	
DRILLERS SIGNATURE ALLAN LICKOCH													MACP		3914								
													MAX HOOKLOAD		67								

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO. : 58 FUEL @ 08:00 HRS. RIG 120 BOILER	
OPERATOR. : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A., O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION	
SURFACE LOCATION. : 60:15:19.82 122		UNIQUE I.D. :					
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)					

connections

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve			
	339.7		320.4		81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																
																			CHANGE SCREENS				YES	NO														
																			TOP 38		TOP 38																	
																			MIDDLE 38		MIDDLE 38																	
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.																				
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																				
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254																				
127		29.02		E2		89		127		4.5 IF		170								38		38																
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	TOTAL											
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR/RIG	CUT OFF DRILL G. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIFFLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	FLOW CHECK																
MORN					7.50																	0.50					8.00											
DAY		0.75			6.25															0.25		0.75					8.00											
EVE		7.50					0.25			0.25																	8.00											
TOTAL		8.25			13.75		0.25			0.25										0.25		1.25					24.00											

DRILLING ASSEMBLY (AT END OF TOUR)					BIT RECORD					MUD RECORD					METERS DRILLED					TIME LOG				TIME DETAIL						
NO.	BIT/ MILLS	O.D. mm		BIT NO.	1						WATER BASED		OIL BASED			X	FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE					
1	STAB /SUBS	228	0.40	m	SIZE (mm)	311.0						TIME	1800	2000	2300		592.00	624.00	D	30	10	1600	1830	2.50	2	DRILL F/ 592m - T/ 602m				
1	MOTOR	245	9.29	m	IADC CODE	4	4	7				DENSITY kg/m3	1050	1045	1035							1830	1845	0.25	7	RIG SERVICE F/ ANNULAR C/ 18 SEC.				
1	FLOAT SUB	231	0.65	m	MFG.	SMITH						FUNNEL VIS s/l	64	55	55							1845	2300	4.25	2	DRILL F/ 602m - T/621m				
1	STAB	228	2.25	m	Type	F15T						W.L. cm/ FILCK					Circ. Press (kPa)	PUMP NO. 1		PUMP NO. 2		2300	2315	0.25	10	DEV. SURVEY @ 603.25m				
1	228mm NM	238	9.15	m	SERIAL NO.	MJ4516						PH					10200	152.0	95	165.1	95	2315	2400	0.75	2	drill f/ 621m to 624m				
1	TRANS SUB	227	1.99	m	JETS (mm)	17	17	17				MUD MATERIALS USED			REDUCED PUMP SPEED						2400									
1	228mm NM	239	9.20	m	DEPTH IN (m)	502.00						TYPE	QTY		UNITS	SOLIDS CONTROL EQUIPMENT														
3	228mm DC	228	27.48	m	DEPTH OUT (m)							OIL MUD	11		M3	DESILTER														
1	X.O.	169	1.31	m	TOTAL METER	122.00										CENTRIFUGE														
1	JAR	171	4.75	m	TOTAL HOURS	17.25																								
12	178mm DC	178	113.41	m	R.O.P.							DEVIATION SURVEY																		
1	X.O.	159	1.20	m	INNER	OUTER	PULL	LOCATION	BEARINGS	GAGE/mm	OTHER	REASON	DEPTH (m)	DEVIATION	DIRECTION	HRS. RUN			PH	STACK deg	Notes: 29% FLOW @ RSPP checked; crown saver, fastline clamp, deadline anchor									
6	H.W.D.P.	127	54.74	m									603.25	0.40	305.2	8.00			10.5	245	blow boiler down three times									
	BHA= 236.1			m												MACP			3914		TMJ=335774									
				m												MAX HOOKLOAD			66		AMJ=10372									
				m																										
				m																										
				m																										
				m																										
				m																										
13	DRILLPIPE STANDS			m																										
1	DRILLPIPE SINGLES	382.98	m																											
	BOILER DOWN	4.90	m																											
	TOTAL	624.00	m																											
	WT. OF D.C.	38	1000 dan		DRAG dan	0																								
	WT. OF STRING	66	1000 dan		TORQUE	260																								
					FILL m	0.00																								
DRILLERS SIGNATURE					ALLAN LICKCOCH																									

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. :

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

Opr. WC

R.M.

YEAR 2002 MONTH 1 DAY 14

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 152

BOILER

WEATHER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

WILBERT CALLIHOO

SAFETY TOPIC

pressure testing

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve																		
	339.7				81.10				K-55								502.00		NO. 2	TYPE DERRI		TYPE F.L.C																															
																			CHANGE SCREENS				YES x NO																														
																			TOP 38		TOP 38																																
DC . DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 38 <td colspan="2">MIDDLE 38</td> <td colspan="10"></td> <td></td> <td></td> <td></td>		MIDDLE 38																															
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254				38																															
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254				38																															
127		29.02		E2		89		127		4.5 IF		170								BOTTOM 38		BOTTOM 38																															
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	TOTAL																									
OPER.		RIGUP & TEARDOWN		DRILL ACTUAL		REAMING		CORING		COND. MUD & CIRC.		TRIPS		RIG SERVICE		REPAIRRIG		CUT OFF DRLLG. LINE		DEV. SURVEY		WIRELINE LOGS		RUN CSG. & CEMENT		WAIT ON CEMENT		NIPPLE UP B.O.P		TEST B.O.P.		DRILL STEM		PLUG BACK		SQUEEZE CEMENT		FISHING		DIRECTIONAL WORK		SAFETY MEETING		clean tanks		bop drill		flow line					
MORN				1.50						0.75		2.00																		2.75										0.25		0.50		0.25						8.00			
DAY				4.00										0.25																0.50												0.25		3.00				8.00					
EVE				3.75						3.75																																0.50				8.00							
TOTAL				9.25						4.50		2.00		0.25																3.25										0.25		0.50		0.50		3.00		0.50		24.00			

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/ MILLS

O.D. mm

0.30

m

BIT NO.

1

1 STAB /SUB

228

0.40

m

SIZE (mm)

311.0

1 MOTOR

245

9.29

m

IADC CODE

4

4

7

1 FLOAT SUB

231

0.65

m

MFG.

SMITH

1 STAB

228

2.25

m

Type

F15T

1 228mm NM

238

9.15

m

SERIAL NO.

MJ4516

1 TRANS SUB

227

1.99

m

JETS (mm)

17

17

17

1 228mm DC

228

27.48

m

DEPTH IN (m)

502.00

1 X.O.

169

1.31

m

DEPTH OUT (m)

1 JAR

171

4.75

m

TOTAL METER

12 178mm DC

178

113.41

m

TOTAL HOURS

1 X.O.

159

1.20

m

DRILLPIPE STANDS

6 H.W.D.P.

127

54.74

m

DRILLPIPE SINGLES

m

DRILLPIPE DOWN

m

TOTAL

236.12

m

m

WT. OF D.C.

38

1000 dan

m

WT. OF STRING

60

1000 dan

m

DRAG dan

m

TORQUE

m

FILL m

m

DRILLERS SIGNATURE

ALLAN LICKOCH

WATER BASED

OIL BASED

X

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

carbogeel

9

SX

OIL MUD

108

M3

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

HRS. RUN

PH

STACK deg

MACP

MAX HOOKLOAD

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

502.00

30

5

Circ. Press (kPa)

PUMP NO. 1

PUMP NO. 2

9800

LINER(mm)

SPM

LINER(mm)

SPM

152.0

100

165.1

100

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

630

800

1.50

2

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

800

DEVIATION SURVEY

HOURS

INTAKE

OVERFLOW

UNDERFLOW

800

FROM

TO

ELAPSED TIME

CODE

0

200

2.00

6

200

445

2.75

15

445

445

500

0.25

21

500

545

0.75

5

545

615

0.50

22

615

630

0.25

23

630

800

1.50

2

800

rrun in hole to 484m

pressure test top pipe rams 1500kpa low & 14000kpa high

annular 1500kpa low & 14000kpa high

bottom pipe rams 1500kpa low & 14000kpa high

accumulator function test

SAFETY MTG. on displace hole to invert

displace hole to invert

clean water out of mud tanks

BOP DRILL with crew before drilling out

DRILL out float & shoe

Notes: checked; crown saver, fastline clamp, deadline anchor

blow boiler down three times

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR. : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION. : 60:15:19.82 122

UNIQUE I.D. :

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection

(2) Detailed Inspection - Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

Opr

WC

WC

WC

WC

WC

WC

YEAR 2002

MONTH 1

DAY 13

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 171

BOILER

WEATHER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

WILBERT CALLIHOO

SAFETY TOPIC

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve					
									CONDUCTO								18.00		NO. 2	TYPE DERRI	TYPE F.L.C																					
																			CHANGE SCREENS				Y	N	Y	N																
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 38		TOP 38																				
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254		MIDDLE 38		MIDDLE 38																				
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254		BOTTOM 38		BOTTOM 38																				
127		29.02		E2		89		127		4.5 IF		170								38		38																				
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	TOTAL															
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRING	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	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																					
MORN														8.00													8.00															
DAY														5.25	2.75												8.00															
EVE						2.00									2.25					3.75							8.00															
TOTAL						2.00								13.25	5.00					3.75							24.00															

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS

O.D. mm

m

BIT NO.

SIZE (mm)

m

IADC CODE

m

MFG.

m

Type

m

SERIAL NO.

m

JETS (mm)

m

DEPTH IN (m)

m

DEPTH OUT (m)

m

TOTAL METER

m

TOTAL HOURS

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KEY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLERS SIGNATURE

ALLAN LICKOCH

WATER BASED

OIL BASED

X

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

HRS. RUN

BOILER PH

STACK deg

MACP

MAX HOOKLOAD

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

FROM

TO

ELAPSED TIME

CODE

0

100

1.00

14

100

800

7.00

14

800

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HRS. RUN

BOILER PH

STACK deg

MACP

MAX HOOKLOAD

Notes: checked; crown saver, fastline clamp, deadline anchor

blow boiler down three times

pH 10.5/10.0

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted (If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		WC WC WC WC WC WC		RIG NO. : 58	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.				FUEL @ 08:00 HRS. RIG 171		BOILER	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. :				(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)							

SAFETY TOPIC

pressure test

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve	
									CONDUCTO								18.00		NO. 2	TYPE DERRI	TYPE F.L.C															
																			CHANGE SCREENS		YES	NO														
																			TOP 38		TOP 38															
																			MIDDLE 38		MIDDLE 38															
																				BOTTOM 38		BOTTOM 38														
DC . DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.																		
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																		
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254																		
127		29.02		E2		89		127		4.5 IF		170																								
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	TOTAL									
OPER.	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.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING															
MORN														8.00												8.00										
DAY														5.25	2.75											8.00										
EVE						2.00									2.25					3.75						8.00										
TOTAL						2.00								13.25	5.00					3.75						24.00										

[illegible]

MORNING SHIFT

LICENCE NO. :1935

WELL NAME AND NO. :PARAMOUNT ANADARKO BOVIE F-66

OPERATOR :PARAMOUNT RESOURCES LTD.

CONTRACTOR :AKITA DRILLING LTD.

SURFACE LOCATION :60:15:19.82 122

UNIQUE I.D. :

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

WILBERT CALLIHOO

DAVE LAUCK

SAFETY TOPICnipple down divertor

LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)			RENTALS / SERVICES													Morn	Day	Eve		
					CONDUCTO				18.00	NO. 2	TYPE DERRI	TYPE F.L.C																		
										CHANGE SCREENS			YES	NO																
										TOP 38	TOP 38																			
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	MIDDLE 38	MIDDLE 38																			
228	286.40	DC	72	228	7 H-90	9	EMSCO	F-1000	254	BOTTOM 38	BOTTOM 38																			
178	159.10	DC	74	178	5 H-90	32	EMSCO	F-1000	254																					
127	29.02	E2	89	127	4.5 IF	170																								
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	TOTAL			
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUTOFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING									
MORN														2.25								5.75				8.00				
DAY								1.00						2.50								2.75	1.75			8.00				
EVE																														
TOTAL								1.00						4.75								8.50	1.75			16.00				

NO. DRILLING ASSEMBLY (AT END OF TOUR)			BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL				
BIT/ MILLS	O.D. mm	m	BIT NO.				WATER BASED		OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE				
		m	SIZE (mm)				TIME									0	30	0.50	22	cut casing (pull out & lay down)			
		m	IADC CODE				DENSITY kg/m3									30	245	2.25	14	nipple down divertor & remove from sub (dig cellar deeper)			
		m	FUNNEL VIS s/1				W.L. cm/ FILCK									245	800	5.25	22	final cut casing & weld boul on			
		m	MFG.				PH						Circ Press (kPa)	PUMP NO. 1 LINER(mm) SPM	PUMP NO. 2 LINER(mm) SPM	800							
		m	Type										REDUCED PUMP SPEED @ @										
		m	SERIAL NO.				MUD MATERIALS USED				SOLIDS CONTROL EQUIPMENT												
		m	JETS (mm)				TYPE	QTY	UNITS	DESILTER													
		m	DEPTH IN (m)							HOURS INTAKE OVERFLOW UNDERFLOW								clean out mud tanks					
		m	DEPTH OUT (m)							CENTRIFUGE													
		m	TOTAL METER							HOURS INTAKE OVERFLOW UNDERFLOW													
		m	TOTAL HOURS																				
DRILLPIPE STANDS		m	INNER	OUTER	PULL	LOCATION	BEARINGS	GAGE(mm)	OTHER	REASON	R.O.P.	DEVIATION SURVEY											
DRILLPIPE SINGLES		m										DEPTH (m)	DEVIATION	DIRECTION									
KELLY DOWN		m																					
TOTAL		m																					
WT. OF D.C.		1000 dan	DRAG dan								HRS. RUN				BOILER PH	STACK deg	Notes: checked; crown saver, fastline clamp, deeaadline anchor						
WT. OF STRING		1000 dan	TORQUE								8.00				10.5	260	blow boiler down three times						
DRILLERS SIGNATURE			ALLAN LICKOCH								MACP												
											MAX HOOKLOAD												

DAY SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. :

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

Opr. : WC

R.M. :

YEAR 2002

MONTH 1

DAY 12

RIG NO. : 58

FUEL @ 08:00 HRS.

RIG 189

BOILER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

WILBERT CALLIHOO										DAVE LAUCK										SAFETY TOPIC										NIPPLE UP									
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve				
									CONDUCTO								18.00		NO. 2	TYPE DERRI		TYPE F.L.C																	
																			CHANGE SCREENS				YES		ON														
																			TOP 38		TOP 38																		
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 38		MIDDLE 38																	
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																					
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254																					
127		29.02		E2		89		127		4.5 IF		170								BOTTOM 38		BOTTOM 38																	
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	TOTAL												
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																		
MORN														2.25								5.75				8.00													
DAY								1.00						2.50								2.75	1.75			8.00													
EVE																																							
TOTAL								1.00						4.75								8.50	1.75			16.00													

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS

O.D. mm

m

BIT NO.

SIZE (mm)

m

IADC CODE

m

MFG.

m

Type

m

SERIAL NO.

m

JETS (mm)

m

DEPTH IN (m)

m

DEPTH OUT (m)

m

TOTAL METER

m

TOTAL HOURS

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KELLY DOWN

m

TOTAL

m

WT. OF D.C.

1000 dan

TORQUE

1000 dan

WT. OF STRING

1000 dan

FILL m

DRILLERS SIGNATURE

DON BLAYONE

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

FROM

TO

ELAPSED TIME

CODE

800

1045

2.75

22

WELD CASING BOWL

1045

1230

1.75

23

LOAD OUT DIVERTER & ASSORTED EQUIP.

1230

1330

1.00

8

CHANGE OUT SHAKERS

1330

1600

2.50

14

NIPPLE UP B.O.P.

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

BOILER

HRS. RUN

PH

STACK deg

8.00

10.5

270

MACP

MAX HOOKLOAD

Notes: CHECKED CROWN SAVER; FASTLINE CLAMP; DEADMAN ANCHOR

BLEW DOWN BOILER 3 TIMES

EVENING SHIFT

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines (1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Opr.</td> <td>R.M.</td> <td>YEAR</td> <td>2002</td> <td>MONTH</td> <td>1</td> <td>DAY</td> <td>12</td> </tr> <tr> <td>WC</td> <td></td> <td colspan="5">RIG NO.: 58</td> </tr> <tr> <td>WC</td> <td>DL</td> <td colspan="5" rowspan="2">FUEL @ 08:00 HRS.</td> </tr> <tr> <td>WC</td> <td>DL</td> </tr> <tr> <td>WC</td> <td>DL</td> <td>RIG</td> <td>189</td> <td colspan="4">BOILER</td> </tr> <tr> <td>WC</td> <td>DL</td> <td colspan="6" rowspan="4"> WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION </td> </tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>		Opr.	R.M.	YEAR	2002	MONTH	1	DAY	12	WC		RIG NO.: 58					WC	DL	FUEL @ 08:00 HRS.					WC	DL	WC	DL	RIG	189	BOILER				WC	DL	WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION											
Opr.	R.M.	YEAR	2002			MONTH	1	DAY	12																																												
WC		RIG NO.: 58																																																			
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WC	DL	RIG	189	BOILER																																																	
WC	DL	WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION																																																			
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.																																																			
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. :																																																			
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)				CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)																																																	

WILBERT CALLIHOO										DAVE LAUCK										SAFETY TOPIC									
-------------------------	--	--	--	--	--	--	--	--	--	-------------------	--	--	--	--	--	--	--	--	--	---------------------	--	--	--	--	--	--	--	--	--

LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)		RENTALS / SERVICES														Morn	Day	Eve	
										NO. 2	TYPE DERRI	TYPE F.L.C																	
											CHANGE SCREENS																		
					CONDUCTO				18.00																				

DC. DP SIZE	KG / M	GRADE	MIN.ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.																	
228	286.40	DC	72	228	7 H-90	9	EMSCO	F-1000	254																	
178	159.10	DC	74	178	5 H-90	32	EMSCO	F-1000	254																	
127	29.02	E2	89	127	4.5 IF	170																				

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	TOTAL
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSQ. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING						
MORN														2.25								5.75				8.00	
DAY								1.00						2.50								2.75	1.75			8.00	
EVE																											
TOTAL								1.00						4.75								8.50	1.75			16.00	

NO. DRILLING ASSEMBLY (AT END OF TOUR)		BIT RECORD		MUD RECORD		METERS DRILLED		TIME LOG		TIME DETAIL									
BIT/ MILLS	O.D.mm	m	BIT NO.	WATER BASED	OIL BASED	FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE					
		m	SIZE (mm)								1600			14	NIPPLE UP B.O.P.				
		m	IADC CODE																
		m	MFG.																
		m	Type																
		m	SERIAL NO.																
		m	JETS (mm)																
		m	DEPTH IN (m)																
		m	DEPTH OUT (m)																
		m	TOTAL METER																
		m	TOTAL HOURS																
DRILLPIPE	STANDS	m																	
DRILLPIPE	SINGLES	m																	
KELLY DOWN		m																	
TOTAL		m																	
WT. OF D.C.		1000 dan	DRAG																
WT. OF STRING		1000 dan	TORQUE																
		dan	FILL																
DRILLERS SIGNATURE				ALLAN LICKOCH															

DEVIATION SURVEY		BOILER		Notes:	
DEPTH (m)	DEVIATION	DIRECTION	HRS. RUN	PH	STACK deg
			8.00	10.5	240
			MACP	0	
			MAX HOOKLOAD		

blow boiler down three times	
TMJ= 334990	
AMJ= 9588	

MORNING SHIFT

LICENCE NO. :1935

WELL NAME AND NO. :PARAMOUNT ANADARKO BOVIE F-66

OPERATOR :PARAMOUNT RESOURCES LTD.

CONTRACTOR :AKITA DRILLING LTD.

SURFACE LOCATION :60:15:19.82 122

UNIQUE I.D. :

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

Opr.

WC

DL

R.M.

DL

DL

DL

DL

DL

YEAR 2002 MONTH 1 DAY 11

RIG NO.:58

FUEL @ 08:00 HRS.

RIG 213

BOILER

WEATHER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

WILBERT CALLIHOO

DAVE LAUCK

SAFETY TOPIC

running casing

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve	
									CONDUCTO								18.00		NO. 2	TYPE DERRI		TYPE F.L.C																
																			CHANGE SCREENS		YES	X	NO															
																			TOP 38		TOP 38																	
DC. DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPETHREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 38		MIDDLE 38																
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																				
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254																				
127		29.02		E2		89		127		4.5 IF		170								BOTTOM 38		BOTTOM 38																
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	TOTAL											
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	rig up to run																
MORN						1.00						4.75									0.25	2.00				8.00												
DAY					4.00							4.00														8.00												
EVE													8.00													8.00												
TOTAL					4.00	1.00						8.75	8.00								0.25	2.00				24.00												

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT/MILLS

O.D. mm

m

BIT NO.

4A

SIZE (mm)

444.5

IADC CODE

MFG.

VAREL

Type

ETD 515

SERIAL NO.

151741

JETS (mm)

17, 17, 17, 17

DEPTH IN (m)

367.00

DEPTH OUT (m)

502.50

TOTAL METER

135.50

TOTAL HOURS

7.00

10

DRILLPIPE STANDS

DRILLPIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

1000 dan

DRAG dan

TORQUE

1000 dan

FILL m

DRILLERS SIGNATURE

ALLAN LICKOCH

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

HRS. RUN

8.00

BOILER PH

10.5

STACK deg

260

MACP

MAX HOOKLOAD

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

FROM

TO

ELAPSED TIME

CODE

0

100

1.00

6

POOH flow check out of hole

100

300

2.00

22

rig up floor to run casing, rig up lay down truck& power tongs

300

315

0.25

21

SAFETY MTG. lay down truck & power tong operators

315

800

4.75

12

run 339mm casing

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

Notes: checked, crown saver, fastline clamp, deadline anchor

boiler blown down three times

Boiler pH 10.5/10.0

LICENCE NO. : 1935	WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66	(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines	RIG NO. : 58 WC DI WC DI WC DI DI DI WC DI
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : AKITA DRILLING LTD.		FUEL @ 08:00 HRS. RIG 213 BOILER
SURFACE LOCATION. : 60:15:19.82 122	UNIQUE I.D. :	(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked	WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		DL WEATHER

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

- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A., O.D.C. Rig Safety Inspection Checklist(one/rig/month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kills Checked

[illegible]

DAVE LAUCK

SAFETY TOPIC

RUNNING CASING

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve		
									CONDUCTO								18.00		NO. 2	TYPE DERRI		TYPE F.L.C																	
																			CHANGE SCREENS			1/2"	x	3/8"															
																			TOP 38		TOP 38																		
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 38		MIDDLE 38																	
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254		38		38																	
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254		BOTTOM 38		BOTTOM 38																	
127		29.02		E2		89		127		4.5 IF		170																											
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	TOTAL												
OPER	RIKUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CBIC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	RIPIPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	rig up to run																	
MORN						1.00						4.75									0.25	2.00				8.00													
DAY					4.00							4.00														8.00													
EVE													8.00													8.00													
TOTAL					4.00	1.00						8.75	8.00								0.25	2.00				24.00													

[illegible]

EVENING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. :

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

Opr. WC
R.M. DL
WC DL
WC DL
WC DL
WC DL

YEAR 2002
MONTH 1
DAY 11

RIG NO. 58

FUEL @ 08:00 HRS.

RIG 213

BOILER

WEATHER

TEMPERATURE
CONDITIONS
WIND DIRECTION
ROAD CONDITION

WILBERT CALLIHOO										DAVE LAUCK										SAFETY TOPIC										nipple up											
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve						
									CONDUCTO								18.00		NO. 2		TYPE DERRI		TYPE F.L.C																		
																			CHANGE SCREENS				YES		X		NO														
																			TOP 38				TOP 38																		
DC. DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 38				MIDDLE 38																	
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																							
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254																							
27		29.02		E2		89		127		4.5 IF		170								BOTTOM 38				BOTTOM 38																	
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	TOTAL														
OPER.	GROUP & 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.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	rig up to run																			
MORN						1.00						4.75									0.25	2.00					8.00														
DAY					4.00							4.00															8.00														
EVE													8.00														8.00														
TOTAL					4.00	1.00						8.75	8.00								0.25	2.00					24.00														

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT / MILLS

O.D. mm

m

BIT NO.

SIZE (mm)

m

IADC CODE

m

MFG.

m

Type

m

SERIAL NO.

m

JETS (mm)

m

DEPTH IN (m)

m

DEPTH OUT (m)

m

TOTAL METER

m

TOTAL HOURS

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

DOWN

TOTAL

m

WT. OF D.C.

1000 dan

TORQUE

WT. OF STRING

1000 dan

FILL m

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

Circ. Press (kPa)

PUMP NO. 1 LINER(mm)

SPM

PUMP NO. 2 LINER(mm)

SPM

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HRS. RUN

BOILER PH

STACK deg

MACP

MAX HOOKLOAD

FROM

TO

ELAPSED TIME

CODE

WAIT ON CEMENT

Notes: CHECKED; crown saver, fastline clamp, deadline anchor

blow boiler down three times

TMJ= 334990

AMJ= 9588

DRILLERS SIGNATURE ALLAN LICKOCH

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection of Wellbore (Using Check List) (3) H2S Signs Posted (If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Preformed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		58 WC WC WC WC	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.				RIG 182 BOILER	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. :		(1) Rig Site Health and Safety Meeting (one/crow/month) (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)					

SAFETY TOPIC	tripping
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[illegible]

LICE NO.: 1935						WELL NAME AND NO.: PARAMOUNT ANADARKO BOVIE F-66																													
OPERATOR : PARAMOUNT RESOURCES LTD.										CONTRACTOR : AKITA DRILLING LTD.																									
SURFACE LOCATION : 60:15:19.82 122										UNIQUE I.D. :																									
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)										CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)																									
WILBERT CALLIHOO																				SAFETY TOPIC ROTARY BUSHINGS															
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve
									CONDUCTO								18.00		NO. 2 TYPE DERRI TYPE F.L.C																
																			CHANGE SCREENS		$\frac{1}{8}$ x $\frac{7}{8}$														
																			TOP 38 TOP 38																
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMPTYPE		STROKE LTH.		MIDDLE 38 MIDDLE 38															
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																	
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254		BOTTOM 38 BOTTOM 38															
127		29.02		E2		89		127		4.5 IF		170																							
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	TOTAL								
OPR.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRUG LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSQ. & CEMENT	WAIT ON CEMENT	HIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	FLOW CHECK													
MORN		6.50			1.00		0.25			0.25												0.25					8.00								
DAY			2.25			5.25	0.25																				8.00								
EVE		0.50	1.25		2.75	3.25				0.25																	8.00								
TOTAL		7.00	3.50		3.75	8.50	0.50			0.50												0.25					24.00								
NO.	DRILLING ASSEMBLY (AT END OF TOUR)	BIT RECORD	MUD RECORD	METERS DRILLED	TIME LOG	TIME DETAIL																													
1	BIT / MILLS	O.D.mmm	0.43 m	BIT NO.	4A	WATER BASED	OIL BASED	FROM	TO	DRILL/ REAM/CR	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																			
1	BIT SUB	230	0.82 m	SIZE (mm)	444.5	TIME		493.00	502.50	D	100	8	1600	1630	0.50	2	DRILL f/ 493m - t/ 502m																		
3	228mm DC	228	27.48 m	JADC CODE		DENSITY kg/m3		490.00	502.50	R	80	4	1630	1730	1.00	5	COND MUD & CIRC																		
1	X.O.	232	1.31 m	MFG.	VAREL	FUNNEL VIS s/l							1730	1945	2.25	6	WIPER TRIP TO 160m																		
12	178mm DC	178	113.41 m	Type	ETD 515	W.L cm/ FILCK		Circ Press (kPa)	PUMP NO. 1	PUMP NO. 2			1945	2100	1.25	3																			

DAY SHIFT

LICENCE NO.: 1935

WELL NAME AND NO.: PARAMOUNT ANADARKO BOVIE F-66

OPERATOR: PARAMOUNT RESOURCES LTD.

CONTRACTOR: AKITA DRILLING LTD.

SURFACE LOCATION: 60:15:19.82 122

UNIQUE I.D.:

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

WILBERT CALLIHOO

SAFETY TOPIC: boiler blow down

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List)

(3) H2S Signs Posted(If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

(1) Rig Site Health and Safety Meeting (one/crew/month)

(2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kills Checked

Opr.

WC

WC

WC

WC

WC

WC

WC

R.M.

YEAR 2002

MONTH 1

DAY 9

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 220

BOILER

WEATHER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

WILBERT CALLIHOO														SAFETY TOPIC										boiler blow down																	
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve						
									CONDUCTO						18.00				NO. 2		TYPE DERRI		TYPE F.L.C																		
																			CHANGE SCREENS				YES		X		NO														
																			TOP		38		TOP		38																
DC . DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPETHREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE		38		MIDDLE		38															
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																							
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254																							
127		29.02		E2		89		127		4.5 IF		170								BOTTOM		38		BOTTOM		38															
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	TOTAL														
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUTOFF DRLLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIIPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	HANDLE TC																			
MORN		6.50				1.00	0.25			0.25																8.00															
DAY		7.25			0.25		0.25			0.25																8.00															
EVE		2.75			1.50	3.25																0.50				8.00															
TOTAL		16.50			1.75	4.25	0.50			0.50												0.50				24.00															

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT / MILLS O.D. mm 0.43 m

1 BIT SUB 230 0.82 m

3 228mm DC 228 27.48 m

1 X.O. 232 1.31 m

1 JAR 172 4.75 m

12 178mm DC 178 113.41 m

1 X.O. 169 1.20 m

6 H.W.D.P. 127 54.74 m

BHA= 204.1 m

DRILLPIPE STANDS m

2 DRILLPIPE SINGLES 132.89 m

KELLY DOWN 4.97 m

TOTAL 342.00 m

OF D.C. 30 1000 dan

WT. OF STRING 52 1000 dan

DRILLERS SIGNATURE ALLAN LICKOCH

BIT NO. 3A

SIZE (mm) 444.5

IADC CODE

MFG. R.B.I.

Type SS3H

SERIAL NO. NP880

JETS (mm) 17, 17, 17, 17

DEPTH IN (m) 18.00

DEPTH OUT (m)

TOTAL METER 324.00

TOTAL HOURS 27.50

INNER

OUTER

DULL

LOCATION

BEARINGS

GAGE (mm)

OTHER

REASON

R.O.P.

DRAG dan 0

TORQUE 230

FILL m 0.00

WATER BASED X OIL BASED

TIME 800 1030 1300

DENSITY kg/m3 1125 1125 1135

FUNNEL VIS s/1 78 72 88

W.L. cm/ FILCK

PH 9.0 9.0 9.0

p.v.t. 69.80 70.60 69.40

MUD MATERIALS USED

TYPE QTY UNITS

GEL 10 SX

CAUSTIC 1 SX

DEVIATION SURVEY

DEPTH (m) DEVIATION DIRECTION

298.00 0.25

FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT. ON BIT

219.00 342.00 D 110 10

Circ. Press (kPa) PUMP NO. 1 PUMP NO. 2

7800 152.0 100 165.1 100

REDUCED PUMP SPEED @ 0 @

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

CENTRIFUGE

HOURS INTAKE OVERFLOW UNDERFLOW

8.00 1125 1115 1930

#2

HOURS INTAKE OVERFLOW UNDERFLOW

4.00 1135 1120 1925

BOILER

HRS. RUN PH STACK deg.

8.00 10.5 280

MACP 0

MAX HOOKLOAD 52

FROM TO ELAPSED TIME CODE

800 1330 5.50 2

1330 1345 0.25 5

1345 1400 0.25 10

1400 1430 0.50 2

1430 1445 0.25 7

1445 1600 1.25 2

1600

Notes: checked; crown saver, fastline clamp, deadline anchor

blow boiler down three times

drill 444.5mm hole f/219m to 310m

circulate & work pipe to clean hole for survey

wireline survey @ 298m

drill 444.5mm hole f/310m to 320m

RIG SERVICE

drill 444.5mm hole f/ 320m to 342m

DAY SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. :

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A..O.D.C. Rig Safety Inspection Checklist(one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

Opr. WC
WC
WC
WC
WC

R.M.

YEAR 2002 MONTH 1 DAY 8
RIG NO.: 58
FUEL @ 08:00 HRS.
RIG 122 BOILER
WEATHER
TEMPERATURE
CONDITIONS
WIND DIRECTION
ROAD CONDITION

WILBERT CALLIHOO

SAFETY TOPIC

wireline surveys

WILBERT CALLIHOO																				SAFETY TOPIC										wireline surveys							
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve		
									CONDUCTO								18.00		NO. 2		TYPE DERRI		TYPE F.L.C														
																			CHANGE SCREENS				YES x NO														
																			TOP 38		TOP 38																
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE 38		MIDDLE 38															
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254																			
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254																			
127		29.02		E2		89		127		4.5 IF		170								BOTTOM 38		BOTTOM 38															
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	TOTAL										
OPER.	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.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																
MORN		1.50				2.00	0.25															4.25				8.00											
DAY		5.50				2.00	0.25			0.25																8.00											
EVE		6.75				1.00				0.25																8.00											
TOTAL		13.75				5.00	0.50			0.50												4.25				24.00											

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/MILLS O.D. mm 0.43 m BIT NO. 3A

1 BIT SUB 230 0.82 m SIZE (mm) 444.5

3 228mm DC 228 27.48 m IADC CODE

1 X.O. 232 1.31 m IADC CODE

1 JAR 172 4.75 m MFG. R.B.I.

3 178mm DC 178 28.25 m Type SS3H

1 X.O. 169 1.20 m SERIAL NO. NP880

JETS (mm) 17.1 17.1 17.1

DEPTH IN (m) 18.00

DEPTH OUT (m)

TOTAL METER 48.00

TOTAL HOURS 7.00

DRILLPIPE STANDS

DRILLPIPE SINGLES

DOWN 1.76

TOTAL 66.00

WT. OF D.C. 9

WT. OF STRING 33

DRILLERS SIGNATURE ALLAN LICKOCH

WATER BASED X OIL BASED

TIME 730 1030 1400

DENSITY kg/m3 1130 1130 1130

FUNNEL VIS s/l 60 88 82

W.L. cm/ FILCK

PH 9.0 9.0 9.0

p.v.t. 56.50 61.00 66.70

MUD MATERIALS USED

TYPE QTY UNITS

GEL 40 SX

SODA ASH 1 SX

CAUSTIC 1 SX

DEVIATION SURVEY

DEPTH (m) DEVIATION DIRECTION

FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT. ON BIT

31.00 66.00 D 110 3

Circ. Press (kPa) PUMP NO. 1 PUMP NO. 2

5200 152.0 100 165.1 100

REDUCED PUMP SPEED

@ 0 @

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

CENTRIFUGE

HOURS INTAKE OVERFLOW UNDERFLOW

12.00 1130 1120 2010

HOURS INTAKE OVERFLOW UNDERFLOW

HRS. RUN BOILER PH STACK deg

8.00 10.5 260

MACP

MAX HOOKLOAD 45

Notes: checked; crown saver, fastline clamp, deadline anchor

blow boiler down three times

LICENCE NO. : 1935		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		RIG NO. : 58 WC WC WC WC RIG 122		FUEL @ 08:00 HRS. BOILER	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : AKITA DRILLING LTD.		(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION		WEATHER	
SURFACE LOCATION : 60:15:19.82 122		UNIQUE I.D. :							
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)							

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES				Morn	Day	Eve		
									CONDUCTO								18.00		NO. 2		TYPE DERRI		TYPE F.L.C								
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMPTYPE		STROKE LTH.		TOP 38		TOP 38									
228		286.40		DC		72		228		7 H-90		9		EMSCO		F-1000		254		MIDDLE 38		MIDDLE 38									
178		159.10		DC		74		178		5 H-90		32		EMSCO		F-1000		254		BOTTOM 38		BOTTOM 38									
127		29.02		E2		89		127		4.5 IF		170																			

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	TOTAL	
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR/RIG	CUTOFF DRLLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING							
MORN		1.50				2.00	0.25															4.25						8.00
DAY		5.50				2.00	0.25			0.25																		8.00
EVE		6.75				1.00				0.25																		8.00
TOTAL		13.75				5.00	0.50			0.50												4.25						24.00

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL				
NO.	BIT/MILLS	O.D mm		BIT NO.	3A			WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/CR	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE				
1	BIT SUB	230	0.82	m	SIZE (mm)	444.5		TIME	1800	2000	2200	66.00	128.00	D	110	10	1600	2000	4.00	2	drill 444.5mm hole f/66m to 94m.			
3	228mm DC	228	27.48	m	IADC			DENSITY kg/m3	1125	1125	1120						2000	2030	0.50	6	LAY DOWN PIPE & RUN IN STAND OF DRILL COLLARS.			
1	X.O.	232	1.31	m	CODE			FUNNEL VIS s/l	61	90	70						2030	2115	0.75	2	DRILL FROM 94m. TO 103m.			
9	JAR	172	4.75	m	MFG.	R.B.I.		W.L. cm/ FILCK									2115	2130	0.25	10	DEV. SURVEY @ 103m. = .25 DEGREE.			
1	178mm DC	178	84.90	m	Type	SS3H		PH	9.0	9.0	8.5	Circ. Press (kPa)	PUMP NO. 1 LINER(mm)	SPM	PUMP NO. 2 LINER(mm)	SPM	2130	2315	1.75	2	DRILL FROM 103m. TO 123m.			
	X.O.	169	1.20	m	SERIAL NO.	NP880		p.v.t.	68.50	70.30	65.70	5700	152.0	100	165.1	100	2315	2345	0.50	6	LAY DOWN PIPE & RUN IN STAND OF COLLARS.			
				m	JETS (mm)	17,17,17,17		MUD MATERIALS USED				REDUCED PUMP SPEED						2345	2400	0.25	2	DRILL FROM 123m TO 128m.		
				m	DEPTH IN (m)	18.00		TYPE	QTY	UNITS		SOLIDS CONTROL EQUIPMENT						2400						
				m	DEPTH OUT (m)							DESILTER												
				m	TOTAL METER	110.00						CENTRIFUGE												
				m	TOTAL HOURS	13.75						HOURS				INTAKE	OVERFLOW	UNDERFLOW						
	DRILLPIPE	STANDS		m																				
	DRILLPIPE	SINGLES		m																				
	KELLY DOWN	7.11		m																				
	TOTAL	128.00		m																				
	WT. OF D.C.	25	1000 dan		DRAG dan	0						HRS. RUN				BOILER PH	STACK deg.	Notes: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE.						
	WT. OF STRING	40	1000 dan		TORQUE	220						8.00				10.5	260	BOILER BLOWN DOWN 3 TIMES						
					FILL m							MACP				0		ACCUMULATOR LEVEL= 31cm.						
	DRILLERS SIGNATURE	GARY PATRICK										MAX HOOKLOAD						ACCUM MJ= 5962 , TOTAL MJ= 331344						

MORNING SHIFT

LICENCE NO. :		WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66										(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines										OPR. WC R.M. WC WC WC WC		YEAR 2002 MONTH 1 DAY 7					
OPERATOR. : PARAMOUNT RESOURCES LTD.					CONTRACTOR : AKITA DRILLING LTD.															RIG NO.: 58					FUEL @ 08:00 HRS.				
SURFACE LOCATION. : 60:15:19.82 122					UNIQUE I.D. :															RIG 133					BOILER				
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)										CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)										(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked					WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION				
WILBERT CALLIHOO										SAFETY TOPIC										TRIPPING									
LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve			
										NO. 2	TYPE DERRI	TYPE F.L.C																	
										CHANGE SCREENS				YES	6														
										TOP 38	TOP 38																		
DC . DP SIZE	KG / M	GRADE	MIN.ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	MIDDLE 38	MIDDLE 38																		
										BOTTOM 38	BOTTOM 38																		
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	TOTAL		
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSQ. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	HANDLE TC							
MORN		2.75			0.50	4.00	0.25															0.50				8.00			
DAY		7.50					0.25			0.25																8.00			
EVE		5.25			1.50	1.25																				8.00			
TOTAL		15.50			2.00	5.25	0.50			0.25												0.50				24.00			
NO. DRILLING ASSEMBLY (AT END OF TOUR)		BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL											
1	BIT/ MILLS	O.D.mmm	0.30	m	BIT NO.	1A	2A	WATER BASED X OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE											
1	STAB /SUB	311	0.40	m	SIZE (mm)	311.2	311.2	TIME	200	332.00	348.00	D	40	10	0	215	2.25	2	DRILL 311.2 mm. HOLE FROM 332m. TO 348.39m.										
1	MOTOR	245	9.29	m				DENSITY kg/m3	1100	348.00	353.00	D	35	10	215	245	0.50	5	CIRCULATE HOLE CLEAN & PREP TO TRIP.										
1	FLOAT SUB	231	0.65	m	IADC CODE			FUNNEL VIS s/l	100						245	300	0.25	7	RIG SERVICE										
1	STAB	228	2.25	m	MFG.	HUGHES	SMITH	W.L cm/ FILCK							300	500	2.00	6	TRIP OUT OF HOLE. FLOW CHECK @ 178mm. COLLARS & OUT OF HOLE.										
1	228mm NM	227	9.15	m	Type	X3A	SDT	PH	8.5	Circ. Press (kPa)	PUMP NO. 1 LINER(mm)	SPM	PUMP NO. 2 LINER(mm)	SPM	500	530	0.50	22	CHANGE OUT BITS.										
1	TRANS SUB	228	1.96	m	SERIAL NO.	22003	LB9118	PVTm3	54.60	11800	152.0	100	165.1	100	530	730	2.00	6	TRIP IN HOLE.										
12	D.C.	228	27.48	m	JETS (mm)	15.15.15.11.17.17.17		MUD MATERIALS USED		REDUCED PUMP SPEED				730				800	0.50	2	break in bit & drill 1/348m to 353m								
1	X.O.	232	1.31	m	DEPTH IN (m)	0.00	348.00	TYPE	QTY	UNITS	SOLIDS CONTROL EQUIPMENT				800														
1	JAR	171	4.75	m	DEPTH OUT (m)	348.00		GEL	19	SX	DESILTER																		
6	H.W.D.P.	127	54.74	m	TOTAL METER	348.00	5.00	CAUSTIC	1	SX	CENTRIFUGE																		
	BHA = 236.			m	TOTAL HOURS	34.50	0.50					HOURS				INTAKE	OVERFLOW	UNDERFLOW											
3	DRILLPIPE STANDS	86.85	m	INNER	OUTER	DULL	LOCATION	BEARINGS	GAGE(mm)	OTHER	REASON	R.O.P.	HOURS				INTAKE	OVERFLOW	UNDERFLOW										
2	DRILLPIPE SINGLES	19.34	m					DEVIATION SURVEY				centrifuge.																	
	KELLY DOWN	10.72	m					DEPTH (m)				DEVIATION	DIRECTION	HOURS				INTAKE	OVERFLOW	UNDERFLOW	TRIP RECORD: measured=5.74, calculated=5.77, difference= -.03								
	TOTAL	353.00	m					316.06				0.10	223.6	HRS. RUN				BOILER PH	STACK deg	Notes: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGES									
	WT. OF D.C.	40	1000 dan									8.00				10.5	300	BOILER BLOWN DOWN 3 TIMES											
	WT. OF STRING	58	1000 dan																										
DRILLERS SIGNATURE					GARY PATRICK										MACP														
															MAX HOOKLOAD					53									

DAY SHIFT

LICENCE NO. :

WELL NAME AND NO. :
PARAMOUNT ANADARKO BOVIE F-66

OPERATOR :
PARAMOUNT RESOURCES LTD.

CONTRACTOR :
AKITA DRILLING LTD.

SURFACE LOCATION :
60:15:19.82 122

UNIQUE I.D. :

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (Using Check List)
(3) H2S Signs Posted(If Required)
(4) Well License & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOP's - Flarelines & Degasser Lines
(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

Opr.

WC

R.M.

YEAR 2002

MONTH 1

DAY 7

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 133

BOILER

WEATHER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

WILBERT CALLIHOO

SAFETY TOPIC

samples

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve																
																			NO. 2	TYPE DERRI		TYPE F.L.C																													
																			CHANGE SCREENS			YES		NO																											
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 38		TOP 38																													
																				MIDDLE 38		MIDDLE 38																													
																				BOTTOM 38		BOTTOM 38																													
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	TOTAL																							
OPER.		RIGUP & TEARDOWN		DRILL ACTUAL		REAMING		CORING		COND. MUD & CIRC.		TRIPS		RIG SERVICE		REPAIR RIG		CUT OFF DRLLG. LINE		DEV. SURVEY		WIRELINE LOGS		RUN CSG. & CEMENT		WAIT ON CEMENT		HIPPLE UP B.O.P		TEST B.O.P.		DRILL STEM		PLUG BACK		SQUEEZE CEMENT		FISHING		DIRECTIONAL WORK		SAFETY MEETING		HANDLE TC							
MORN				2.75						0.50		4.00		0.25																														0.50						8.00	
DAY				7.50										0.25						0.25																										8.00					
EVE				5.25						1.50		1.25																																		8.00					
TOTAL				15.50						2.00		5.25		0.50						0.25																										24.00					

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/ MILLS 0.30 m

1 STAB /SUB 311 0.40 m

1 MOTOR 245 9.29 m

1 FLOAT SUB 231 0.65 m

1 STAB 228 2.25 m

1 228mm NM 227 9.15 m

1 TRANS SUB 228 1.96 m

1 228mm NM 227 9.20 m

3 D.C. 228 27.48 m

1 X.O. 232 1.31 m

1 JAR 171 4.75 m

12 D.C. 178 113.41 m

1 X.O. 169 1.20 m

6 H.W.D.P. 127 54.74 m

6 DRILLPIPE STANDS

2 DRILLPIPE SINGLES 193.21 m

KELLY DOWN 10.70 m

TOTAL 440.00 m

WT. OF D.C. 40 1000 dan

WT. OF STRING 62 1000 dan

DRILLERS SIGNATURE ALLAN LICKOCH

BIT NO. 2A

SIZE (mm) 311.2

IADC CODE

MFG. SMITH

Type SDT

SERIAL NO. LB9118

JETS (mm) 17, 17, 17, 1

DEPTH IN (m) 348.00

DEPTH OUT (m)

TOTAL METER 92.00

TOTAL HOURS 8.00

INNER

OUTER

DULL

LOCATION

BEARINGS

GAGE (mm)

OTHER

REASON

R.O.P.

DRAG dan 0

TORQUE 320

FILL m 0.00

WATER BASED X OIL BASED

TIME 800 1300 1530

DENSITY kg/m3 1110 1115 1120

FUNNEL VIS s/l 61 60 82

W.L. cm/ FILCK

PH 8.0 8.0 8.5

p.v.t 61.00 62.30 61.00

MUD MATERIALS USED

TYPE QTY UNITS

GEL 15 SX

SODA ASH 2 SX

FROM TO DRILL/ REAM/CR ROTARY R.P.M. WT. ON BIT

353.00 440.00 D 35 10

Circ. Press (kPa)

PUMP NO. 1 PUMP NO. 2

11000 152.0 100 165.1 100

REDUCED PUMP SPEED

@ 0 @

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

CENTRIFUGE

12.00 1120 1110 1820

DEVIATION SURVEY

DEPTH (m) DEVIATION DIRECTION

345.51 0.20 282.2

374.49 0.40 280.7

403.68 0.30 272.4

HRS. RUN PH STACK deg

8.00 10.5 260

MACP 0

MAX HOOKLOAD 62

Notes: checked, crown saver, fastline clamp, deadline anchor

blow boiler down 3 times

LICENCE NO. :						WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66																		RIG NO.: 58 WC WC WC WC								
OPERATOR : PARAMOUNT RESOURCES LTD.						CONTRACTOR : AKITA DRILLING LTD.																		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Preformed (7) Visually Inspect BOP's - Flarelines & Degasser Lines (1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked								
SURFACE LOCATION : 60:15:19.82 122						UNIQUE I.D. :																		RIG 133 BOILER								
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)						CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)																		WEATHER: TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION								
WILBERT CALLIHOO																								SAFETY TOPIC tripping								
LAST CASING TUBING OR LINER						O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve	
																NO. 2	TYPE DERRI	TYPE F.LC														
																CHANGE SCREENS		YES	NO													
																TOP 38	TOP 38															
DC . DP SIZE						KG / M	GRADE	MIN.ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	MIDDLE 38	MIDDLE 38																
														BOTTOM 38	BOTTOM 38																	
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	TOTAL					
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CRC.	TRIPS	RIG SERVICE	REPAIR/RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSQ. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	HANDLE TC										
MORN		2.75			0.50	4.00	0.25															0.50				8.00						
DAY		7.50					0.25			0.25																8.00						
EVE		5.25			1.50	1.25																				8.00						
TOTAL		15.50			2.00	5.25	0.50			0.25												0.50				24.00						
NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG TIME DETAIL																																
1	BIT/ MILLS	O.D.mmm	0.30	m	BIT NO.	2A				WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE	TIME DETAIL									
1	STAB /SUB	311	0.40	m	SIZE (mm)	311.2				TIME	1800	2000		440.00	507.00	D	35	10	1600	2115	5.25	2	DRILL 311.2mm hole f/440m to 507.01m.									
1	MOTOR	245	0.29	m	IADC CODE					DENSITY kg/m3	1120	1120							2115	2245	1.50	5	circulate & work pipe to clean hole. prep to trip.									
1	FLOAT SUB	231	0.65	m	WFG.					FUNNEL VIS s/l	94	90							2245	2400	1.25	6	TRIP OUT OF HOLE. LAYING DOWN DRILL PIPE.									
1	STAB	228	2.25	m	SMITH					W.L cm/ FILCK									2400													
1	228mm NM	227	9.15	m	Type	SDT				PH	9.5	9.0																				
1	TRANS SUB	228	1.96	m	SERIAL NO.	LB9118				p.v.t.	58.80	60.00																				
1	228mm NM	227	9.20	m	JETS (mm)	17.17.117.1				MUD MATERIALS USED																						
3	D.C.	228	27.48	m	DEPTH IN (m)	348.00				TYPE		QTY	UNITS																			
1	X.O.	232	1.31	m	DEPTH OUT (m)	507.00				SODA ASH		1	SX																			
1	JAR	171	4.75	m	TOTAL METER	159.00																										
12	D.C.	178	113.41	m	TOTAL HOURS	13.25																										
1	X.O.	169	1.20	m	INNER					DEVIATION SURVEY																						

MORNING SHIFT

LICENCE NO. : 1935

WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : AKITA DRILLING LTD.

SURFACE LOCATION : 60:15:19.82 122

UNIQUE I.D. :

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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

Opr. WC

R.M.

YEAR 2002 MONTH 1 DAY 6

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 166 BOILER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

WILBERT CALLIHOO

SAFETY TOPIC

P/U COLLARS

LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)		RENTALS / SERVICES														Morn	Day	Eve				
										NO. 2	TYPE DERRI	TYPE F.L.C																				
										CHANGE SCREENS		YES	x	NO																		
DC . DP SIZE	KG / M	GRADE	MIN.ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	TOP 38	TOP 38	MIDDLE 38	MIDDLE 38	BOTTOM 38	BOTTOM 38																	
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	TOTAL					
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR/RIG	CUT OFF DRLO. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	HI-PLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING											
MORN		7.75					0.25																			8.00						
DAY		7.50					0.25			0.25																8.00						
EVE		7.25			0.50					0.25																8.00						
TOTAL		22.50			0.50		0.50			0.50																24.00						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)			BIT RECORD			MUD RECORD			METERS DRILLED					TIME LOG				TIME DETAIL										
1	BIT/ MILLS	O.D.mmm	0.30	m	BIT NO.	1A	WATER BASED		x	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE									
1	STAB /SUB	311	0.40	m	SIZE (mm)	311.2	TIME	200	400	600	80.00	167.00	D	30	10	0	315	3.25	2	DRILL 311.2mm HOLE FROM 80m. -T/ 117.17m.									
1	MOTOR	245	9.29	m	IADC CODE		DENSITY kg/m3	1095	1095	1090						315	330	0.25	7	RIG SERVICE									
1	FLOAT SUB	231	0.65	m	MFG.	HUGHES	FUNNEL VIS s/l	80	70	78						330	800	4.50	2	DRILL AHEAD FROM 117.17m. -T/ 167m									
1	STAB	228	2.25	m	Type	X3A	W.L. cm/ FILCK				Circ. Press (kPa)	PUMP NO. 1	PUMP NO. 2			800													
1	228mm NM	227	9.15	m	SERIAL NO.	22003	PH	8.5	8.5	8.5	9000	152.0	100	165.1	100														
1	TRANS SUB	228	1.96	m	JETS (mm)	15,115,115,111.5	PVT m3	37.30	39.10	40.00	REDUCED PUMP SPEED																		
1	228mm NM	227	9.20	m	DEPTH IN (m)	0.00	MUD MATERIALS USED				SOLIDS CONTROL EQUIPMENT																		
3	D.C.	228	27.48	m	DEPTH OUT (m)		TYPE	QTY	UNITS		DESILTER																		
1	X.O.	232	1.31	m	TOTAL METER	167.00	GEL	64	SX		CENTRIFUGE																		
1	JAR	171	4.75	m	TOTAL HOURS	17.50	DEVIATION SURVEY				HOURS		INTAKE	OVERFLOW	UNDERFLOW														
10	D.C.	178	94.32	m	INNER		DEPTH (m)	DEVIATION	DIRECTION		HOURS		INTAKE	OVERFLOW	UNDERFLOW														
1	X.O.	169	1.20	m	OUTER		89.44	0.40	114.0		HOURS		INTAKE	OVERFLOW	UNDERFLOW														
	DRILLPIPE	STANDS		m	LOCATION		117.42	0.50	128.5		HRS. RUN		BOILER PH	STACK deg	Notes: CHECK CROWN SAYER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE														
	DRILLPIPE	SINGLES		m	BEARINGS		146.32	0.40	135.4		MACP				BOILER BLOWN DOWN 3 TIME														
	KELLY DOWN	4.74		m	GADE(mm)						MAX HOOKLOAD		47		GREASED BLOCKS														
	TOTAL	167.00		m	OTHER																								
	WT. OF D.C.	35		1000 dan	REASON																								
	WT. OF STRING	35		1000 dan	R.O.P.																								
	DRILLERS SIGNATURE	GARY PATRICK																											

LICENCE NO. : 1935	WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66	(3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspect BOP's - Flarelines & Degasser Lines	WC WC WC	FUEL @ 08:00 HRS. RIG 166 BOILER
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : AKITA DRILLING LTD.	(1) Rig Site Health and Safety Meeting (one/crew/month) (2) C.A. O.D.C. Rig Safety Inspection Checklist(one/mg/month) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked	WEATHER	TEMPERATURE
SURFACE LOCATION : 60:15:19.82 122	UNIQUE I.D. :			CONDITIONS
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)			WIND DIRECTION
				ROAD CONDITION

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection-Weekly (Using Check List)
- (3) H2S Signs Posted(If Required)
- (4) Well License & Stick Diagram Posted
- (5) Flare Lines Staked
- (6) BOP Drills Performed
- (7) Visually Inspect BOP's - Flarelines & Degasser Lines
- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A., O.D.C. Rig Safety Inspection Checklists(one/rig/month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kills Checked

Opr.	R.M.	YEAR 2002	MONTH 1	DAY 6
WC		RIG NO.: 58		
WC		FUEL @ 08:00 HRS.		
WC		RIG 166	BOILER	
WC		WEATHER		
		TEMPERATURE		
		CONDITIONS		
		WIND DIRECTION		
		ROAD CONDITION		

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D.		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES								Morn	Day	Eve			
																			NO. 2 TYPE DERRI TYPE F.L.C																	
																			CHANGE SCREENS		☐	YES	X	☐	NO											
																			TOP 38		TOP 38															
																			MIDDLE 38		MIDDLE 38															
																			BOTTOM 38		BOTTOM 38															
DC . DP SIZE	KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.																			

[illegible]

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL							
NO.	BIT/ MILLS	O.D.mm		BIT NO.	1A			WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/C.R.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE							
1	STAB /SUB	311	0.40	m	SIZE (mm)	311.2		TIME	1830	2000	2200	257.00	332.00	D	35	10	1600	1915	3.25	2	DRILL f/257m to 285.97m.						
1	MOTOR	245	9.29	m	IADC			DENSITY kg/m3	1095	1095	1100						1915	1945	0.50	5	circulate w/ pump #1, while changing blown head in pump #2						
1	FLOAT SUB	231	0.65	m	CODE			FUNNEL VIS s/l	67	67	57						1945	2345	4.00	2	DRILL ahead from 285.97m. to 332m.						
1	STAB	228	2.25	m				W.L cm/ FILCK									2345	2400	0.25	10	TOTAL SURVEY TIME.						
1	228mm NM	227	9.15	m	MFG.	HUGHES																					
1	TRANS SUB	228	1.96	m	Type	X3A		PH	7.5	7.5	7.5						2400										
1	228mm NM	227	9.20	m	SERIAL NO.	22003		p.v.t	53.60	53.20	53.20	12000	152.0	100	165.1	100											
3	D.C.	228	27.48	m	JETS (mm)	15,15,15,11,5		MUD MATERIALS USED				@ 0 @															
1	X.O.	232	1.31	m	DEPTH IN (m)	0.00		TYPE		QTY	UNITS	SOLIDS CONTROL EQUIPMENT															
1	JAR	171	4.75	m	DEPTH OUT (m)							DESILTER															
12	D.C.	178	113.41	m	TOTAL METER	332.00						CENTRIFUGE															
1	X.O.	169	1.20	m	TOTAL HOURS	32.25						8.00	1100	1090	1300												
6	H.W.D.P.	127	54.74	m	INNER			DEVIATION SURVEY				centrifuge															
	BHA = 236.			m	OUTER			DEPTH (m)	258.22	DEVIATION	0.10	DIRECTION	265.1	BOILER				Notes: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGE									
				m	PULL				286.66	0.10	1.30		HRS. RUN PH STACK deg.				BOILER BLOWN DOWN 3 TIMES										
3	DRILLPIPE	STANDS	86.85	m	LOCATION							8.00	1100	1090	1300						ACCUMULATOR LEVEL= 32cm.						
	DRILLPIPE	SINGLES	9.06	m	BEARINGS							MACP 0															
	KICK DOWN			m	OTHER							MAX HOOKLOAD 53															
	TOTAL	332.00		m	REASON																						
	WT. OF D.C.	40		1000 dan	DRAG dan	0																					
	WT. OF STRING	53		1000 dan	TORQUE	260																					
					FILL m																						
DRILLERS SIGNATURE GARY PATRICK																											

MORNING SHIFT

LICENCE NO. :

WELL NAME AND NO. :
PARAMOUNT ANADARKO BOVIE F-66

OPERATOR :
PARAMOUNT RESOURCES LTD.

CONTRACTOR :
AKITA DRILLING LTD.

SURFACE LOCATION :
60:15:19.82 122

UNIQUE I.D. :

OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (Using Check List)
(3) H2S Signs Posted(If Required)
(4) Well License & Stick Diagram Posted
(5) Flare Lines Slaked
(6) BOP Drills Performed
(7) Visually Inspect BOP's - Flarelines & Degasser Lines

Op

WC

DL

WC

DL

WC

DL

WC

DL

WC

DL

YEAR 2002

MONTH 1

DAY 5

RIG NO.: 58

FUEL @ 08:00 HRS.

RIG 145

BOILER

WEATHER

TEMPERATURE

CONDITIONS

WIND DIRECTION

ROAD CONDITION

WILBERT CALIHOO

DAVE LAUCK

SAFETY TOPIC
pre-spud

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve																
																			NO. 2	TYPE DERRI		TYPE F.L.C																													
																			CHANGE SCREENS		X	YES		2																											
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 38		TOP 38																													
																				MIDDLE 38		MIDDLE 38																													
																				BOTTOM 38		BOTTOM 38																													
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	TOTAL																							
OPER.		GROUP & 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.		DRILL STEM		PLUG BACK		SQUEEZE CEMENT		FISHING		DIRECTIONAL WORK		SAFETY MEETING		handle tools							
MORN				3.25						1.75				0.25						0.25																								2.50						8.00	
DAY										1.00		6.75		0.25																																8.00					
EVE				6.50						0.25																																		1.25				8.00			
TOTAL				9.75						3.00		6.75		0.50						0.25																								3.75				24.00			

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

BIT NO.

1A

SIZE (mm)

311.2

IADC CODE

MFG.

HUGHES

Type

X3A

SERIAL NO.

22003

JETS (mm)

15.15.15.11.5

DEPTH IN (m)

0.00

DEPTH OUT (m)

0.00

TOTAL METER

42.59

TOTAL HOURS

3.25

DRILLPIPE STANDS

DRILLPIPE SINGLES

KELLY DOWN

11.48

TOTAL

42.59

WT. OF D.C.

10

WT. OF STRING

35

DRILLERS SIGNATURE

GARY PATRICK

MUD RECORD

WATER BASED

OIL BASED

TIME

600

DENSITY kg/m3

1065

FUNNEL VIS s/l

55

W.L. cm/ FILCK

PH

9.0

PVT m3

26.00

MUD MATERIALS USED

TYPE

QTY

UNITS

METERS DRILLED

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

0.00

42.59

D

60

5

Circ. Press (kPa)

PUMP NO. 1

PUMP NO. 2

LINEAR(mm)

SPM

LINEAR(mm)

SPM

1000

152.0

80

152.0

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

BOILER

HRS. RUN

PH

STACK deg

8.00

10.5

260

MACP

MAX HOOKLOAD

TIME LOG

FROM

TO

ELAPSED TIME

CODE

0

230

2.50

22

230

400

1.50

5

400

545

1.75

2

545

600

0.25

5

600

615

0.25

7

615

630

0.25

10

630

800

1.50

2

TIME DETAIL

MAKE UP BHA

CIRCULATE & CHECK SYSTEM. REPAIR LEAKS ON FLOW LINE,STANDPIPE,MUD TAN

SPUD. DRILL 311.2mm. HOLE F/ 0.00m.-T/ 33.46m.

WORK & CLEAN HOLE BEFORE SURVEY.

RIG SERVICE

DEV. SURVEY @ 19.00 m.

DRILL AHEAD F/ 33.46 m. - 42.59m

Notes: CHECK CROWN SAVER, FASTLINE CLAMP, DEADLINE ANCHOR, BRAKES & LINKAGES.

BOILER BLOWN DOWN 3 TIMES.

LICENCE NO. :						WELL NAME AND NO. : PARAMOUNT ANADARKO BOVIE F-66																																																							
OPERATOR : PARAMOUNT RESOURCES LTD.						CONTRACTOR : AKITA DRILLING LTD.																																																							
SURFACE LOCATION : 60:15:19.82 122						UNIQUE I.D. :																																																							
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)						CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)																																																							
WILBERT CALIHOO						DAVE LAUCK																																																							
						SAFETY TOPIC												pick up collars																																											
LAST CASING TUBING OR LINER						O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve																					
																										NO. 2 TYPE DERRI TYPE F.L.C																																			
																										CHANGE SCREENS X YES NO																																			
																										TOP 38 TOP 38																																			
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMPTYPE		STROKE LTH.				MIDDLE 38 MIDDLE 38																																							
																						BOTTOM 38 BOTTOM 38																																							
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		TOTAL							
OPER.		RIGUP & TEARDOWN		DRILL ACTUAL		REAMING		CORING		COND. MUD & CRG.		TRIPS		RIG SERVICE		REPAIR RIG		CUT OFF DRLLG. LINE		DEV. SURVEY		WIRELINE LOGS		RUN CSG. & CEMENT		WAIT ON CEMENT		NPPLE UP B.O.P.		TEST B.O.P.		DRILL STEM		PLUG BACK		SQUEEZE CEMENT		FISHING		DIRECTIONAL WORK		SAFETY MEETING		handle tools																	
MORN				3.25						1.75				0.25						0.25																																8.00									
DAY										1.00		6.75		0.25																																				8.00											
EVE		6.50								0.25																																						8.00													
TOTAL		9.75								3.00		6.75		0.50						0.25																												24.00													
NO.		DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD										MUD RECORD										METERS DRILLED										TIME LOG										TIME DETAIL									
1		BIT/MILLS		O.D.mm		0.30 m		BIT NO.		1A				WATER BASED		X		OIL BASED				FROM		TO		DRILL/ REAM/CRL		ROTARY R.P.M.		WT. ON BIT		FROM		TO		ELAPSED TIME		CODE																							
1		STAB/SUB		311		0.40 m		SIZE (mm)		311.2				TIME		2000				2400		42.59		80.00		D		40		5		1600		2045		4.75		2						DRILL 311mm hole f/42.59m to 66.20m.																	
1		MOTOR		245		9.29 m								DENSITY kg/m3		1110				1095												2045		2100		0.25		5								work & clean hole.															
1		FLOAT SUB		231		0.65 m		IADC CODE						FUNNEL VIS ml		47				51												2100		2215		1.25		22								lay down pipe & run in stand of 228mm. drill collars.															
1		228mm NM		227		9.15 m		MFG.		HUGHES				W.L cm/FILCK																		2215		2400		1.75		2								DRILL from 66.20m. -t/ 80m.															
1		TRANS SUB		228		1.96 m		Type																																																					