

115003

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REVISED MARCH 1996

115003

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APPROVAL PENDING

DRILLING CREW PAYROLL DATA

LICENCE NO.: WELL NAME AND NO.:
OPERATOR: **NORTH BARK** CONTRACTOR: **AKITA / SANTU**
SURFACE LOCATION: UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE: SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS
(1) Daily Walk Around Inspection
(2) Detailed Inspection Weekly (using checklist)
(3) HSE Signs Posted (if required)
(4) Well License & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually inspect BOPs - Flarelines & Degasser Lines

OPR. R.M.
Initial Initial
Initial Initial
Initial Initial
Initial Initial
Initial Initial
Initial Initial
Initial Initial

(1) Rig Site Health and Safety Meeting (once per month)
(2) C.A.O.D.C. Rig Safety Inspection Checklist (once per month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kibbs checked

YEAR MONTH DAY
RIG NO. FUEL @ 8:00
RIG BOILER
W. E. A. T. H. E. R. TEMPERATURE °C
CURRENT CONDITIONS
WIND DIRECTION
ROAD

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

DC/DP SIZE (mm) LINEAR MASS (kg/m) GRADE MIN. ID (mm) TOOL JT O.D. (mm) TYPE THREAD NO. OF JOINTS PUMP TYPE PUMP MANUFACTURER STROKE LTH. (mm)

T I M E - H R S	CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
	OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	HEAVING CORING	CONC. MUD & CEMENT	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	PIPELINE UP & DOWN	TEST B.O.P.	DRILL STEEL TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DRL. WORK		
	MORN.																					
	DAY																					
	EVE.																					
	TOTAL																					

DRILLING ASSEMBLY (At End of Tour) LENGTH
BIT O.D. (mm) m
SIZE (mm) m
IADC CODE m
MFG. m
TYPE m
SERIAL NO. m
JETS (mm) m
DEPTH OUT (m) m
DEPTH IN (m) m
TOTAL METRES DRILLED (m) m
TOTAL HOURS RUN m
CUTTING STRUCTURE T₁ T₂ MDC LOC B Gage ODC Reason Pulled Total Run m/hr.
HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

WT. OF DC 1000 g/m
WT. OF STRING 1000 g/m

DRILLING ASSEMBLY (At End of Tour) LENGTH
BIT O.D. (mm) m
SIZE (mm) m
IADC CODE m
MFG. m
TYPE m
SERIAL NO. m
JETS (mm) m
DEPTH OUT (m) m
DEPTH IN (m) m
TOTAL METRES DRILLED (m) m
TOTAL HOURS RUN m
CUTTING STRUCTURE T₁ T₂ MDC LOC B Gage ODC Reason Pulled Total Run m/hr.
HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

WT. OF DC 1000 g/m
WT. OF STRING 1000 g/m

DRILLING ASSEMBLY (At End of Tour) LENGTH
BIT O.D. (mm) m
SIZE (mm) m
IADC CODE m
MFG. m
TYPE m
SERIAL NO. m
JETS (mm) m
DEPTH OUT (m) m
DEPTH IN (m) m
TOTAL METRES DRILLED (m) m
TOTAL HOURS RUN m
CUTTING STRUCTURE T₁ T₂ MDC LOC B Gage ODC Reason Pulled Total Run m/hr.
HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

WT. OF DC 1000 g/m
WT. OF STRING 1000 g/m

MUD RECORD
MUD TYPE ☐ WATER BASED ☐ OIL BASED
TIME
DENSITY kg/m³
FUNNEL VIS. - (S/L)
W.L. (cm)
pH
MUD MATERIALS ADDED
PRODUCT AMOUNT X UNIT
DESILTER
CENTRIFUGE
HOURS RUN INTAKE DENSITY (kg/m³) OVERFLOW DENSITY (kg/m³) UNDERFLOW DENSITY (kg/m³)

MUD RECORD
MUD TYPE ☐ WATER BASED ☐ OIL BASED
TIME
DENSITY kg/m³
FUNNEL VIS. - (S/L)
W.L. (cm)
pH
MUD MATERIALS ADDED
PRODUCT AMOUNT X UNIT
DESILTER
CENTRIFUGE
HOURS RUN INTAKE DENSITY (kg/m³) OVERFLOW DENSITY (kg/m³) UNDERFLOW DENSITY (kg/m³)

MUD RECORD
MUD TYPE ☐ WATER BASED ☐ OIL BASED
TIME
DENSITY kg/m³
FUNNEL VIS. - (S/L)
W.L. (cm)
pH
MUD MATERIALS ADDED
PRODUCT AMOUNT X UNIT
DESILTER
CENTRIFUGE
HOURS RUN INTAKE DENSITY (kg/m³) OVERFLOW DENSITY (kg/m³) UNDERFLOW DENSITY (kg/m³)

METRES DRILLED
FROM TO
CIRCULATION PRESSURE (kPa)
PUMP NO. 1
PUMP NO. 2
REDUCED PUMP SPEED
DEVIATION SURVEY
DEPTH (m) DEVIATION (°) DIRECTION
DRILLER SIGNATURE

METRES DRILLED
FROM TO
CIRCULATION PRESSURE (kPa)
PUMP NO. 1
PUMP NO. 2
REDUCED PUMP SPEED
DEVIATION SURVEY
DEPTH (m) DEVIATION (°) DIRECTION
DRILLER SIGNATURE

METRES DRILLED
FROM TO
CIRCULATION PRESSURE (kPa)
PUMP NO. 1
PUMP NO. 2
REDUCED PUMP SPEED
DEVIATION SURVEY
DEPTH (m) DEVIATION (°) DIRECTION
DRILLER SIGNATURE

TIME LOG
FROM TO
ELAP. TIME
CODE NO.
DETAILS OF OPERATION IN SEQUENCE AND REMARKS
SEPT 15/99
CAMP WATCH
Rick Parker

TIME LOG
FROM TO
ELAP. TIME
CODE NO.
DETAILS OF OPERATION IN SEQUENCE AND REMARKS
SEPT 16/99.
UNLOADED BARGE AT STAGGARY AREA.
Rick Parker

TIME LOG
FROM TO
ELAP. TIME
CODE NO.
DETAILS OF OPERATION IN SEQUENCE AND REMARKS
SEPT 17/99
UNLOADED BARGE + FUEL AT STAGGARY AREA.
Rick Parker

WELL NAME & NO. YEAR MONTH DAY
OPERATOR NORTH BARK. CONTRACTOR AKITA / SANTU.
RIG MANAGER Rick Parker RIG NO. 51
PROVINCE NWT CAMP ☒ YES ☐ NO RIG SAFETY DAYS:
MORNING TOUR 00:00 TO 08:00 INJURIES
CREW SOC. INS. NO. NAME HRS YES NO
DRILLER Mike Gish 12
DERRICKMAN Todd Black 12
MOTORMAN
FLOORMAN
FLOORMAN
LEASEMAN
RIG WATCH
RATE SCHEDULE ☒ REGULAR ☐ REPAIR ☐ INVERT
CREW SAFETY DAYS

DAY TOUR 08:00 TO INJURIES
CREW SOC. INS. NO. NAME HRS YES NO
DRILLER Mike Gish 14
DERRICKMAN Todd Black 14
MOTORMAN
FLOORMAN
FLOORMAN
LEASEMAN
RIG WATCH
RATE SCHEDULE ☒ REGULAR ☐ REPAIR ☐ INVERT
CREW SAFETY DAYS

EVENING TOUR TO 24:00 INJURIES
CREW SOC. INS. NO. NAME HRS YES NO
DRILLER Mike Gish 13
DERRICKMAN Todd Black 13
MOTORMAN
FLOORMAN
FLOORMAN
LEASEMAN
RIG WATCH
RATE SCHEDULE ☒ REGULAR ☐ REPAIR ☐ INVERT
CREW SAFETY DAYS

LICENCE NO.:	WELL NAME AND NO.:
OPERATOR: NORTH ROCK.	CONTRACTOR: AKITA / SANTU.
SURFACE LOCATION:	UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS	O.P.R.	R.M.
(1) Daily Walk Around Inspection	Initial _____	Initial _____
(2) Detailed Inspection-Walkby (using checklist)	Initial _____	Initial _____
(3) H/S Signs Posted (if required)	Initial _____	Initial _____
(4) Wall License & Stick Diagram Posted	Initial _____	Initial _____
(5) Flare Lines Staked	Initial _____	Initial _____
(6) BOP Drills Performed	Initial _____	Initial _____
(7) Visually inspect BOP's - Firelines & Degasser Lines	Initial _____	Initial _____
(1) Rig Site Health and Safety Meeting (one/crow/month)	Initial _____	
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)	Initial _____	
(3) Mast Inspection Before Raising or Lowering	Initial _____	
(4) Crown Saver Checked	Initial _____	
(5) Motor Kills checked	Initial _____	



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DRILLING CREW PAYROLL DATA

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APPROVAL PENDING

DRILLING CREW PAYROLL DATA

LICENCE NO.:	WELL NAME AND NO.:	
OPERATOR: NORTH ROCK	CONTRACTOR: AKITA / SATHI	
SURFACE LOCATION:	UNIQUE ID.:	
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	SIGNATURE OF CONTRACTOR'S RIG MANAGER:	

DAILY CHECKS	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) IFS Sign Periodic (if required)	Initial	Initial
(4) Well Losses & Stick Diagram Posted	Initial	Initial
(5) Flame Lines Stated	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Newlyly Started BOP's - Flarelines & Degassers Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crow/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/mg/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kicks checked		Initial

[illegible][illegible]

20		21		22		23		24		25		26		TOTALS	SHALE SHAKER(S)		RENTALS/SERVICES			MORN	DAY	E
SAFETY MTG.													NO		TYPE							
															SCREENS CHANGED	☐ YES ☐ NO						
															TOP	TOP						
															MIDDLE	MIDDLE						
															BOTTOM	BOTTOM						

WELL NAME & NO.		YEAR	MONTH	DAY
OPERATOR NORTH ROCK		CONTRACTOR AKITA / SANTI		
RIG MANAGER TICK PARKER		RIG NO. 51		
PROVINCE MONT		CAMP ☒ YES ☐ NO RIG SAFETY DAYS:		

DRILLING ASSEMBLY (At End of Tour)				BIT RECORD										MUD RECORD					
NO.	BIT		O.D. mm	LENGTH	BIT NO.						MUD TYPE		☐ WATER BASED		☐ OIL BASED				
				m	SIZE	(mm)					TIME								
				m	IADC CODE						DENSITY								
				m	MF.G.						FUNNEL								
				m	TYPE						VIS. - (S/L)								
				m	SERIAL NO.						W.L. (cm ³)								
				m	JETS	(mm)					pH								
				m	DEPTH OUT	(m)					MUD MATERIALS ADDED		SOLIDS CONTROL						
				m	DEPTH IN	(m)					PRODUCT	AMOUNT X UNIT	DESILTER						
				m	TOTAL METRES DRILLED	(m)							HOURS RUN	INTAKE DENSITY (kg/m ³)	OVERFLOW DENSITY (kg/m ³)	UNDERFLOW DENSITY (kg/m ³)			
				m	TOTAL HOURS RUN														
	D.P.	STANDS		m	CUTTING STRUCTURE								CENTRIFUGE						
				m	T ₁	T ₂	MDC	LOC	B	Gage	OOB	Reason Pulled	Total Run mu/hr.						
	D.P.	SINGLES		m									HOURS RUN	INTAKE DENSITY (kg/m ³)	OVERFLOW DENSITY (kg/m ³)	UNDERFLOW DENSITY (kg/m ³)			
	KELLY DOWN			m	HOLE CONDITION														
	TOTAL			m	HOLE DRAG														
WT. OF CDC				1000 oah	TORQUE AT BOTTOM														
WT. OF STRING				1000 oah	FILL ON BOTTOM (m)														

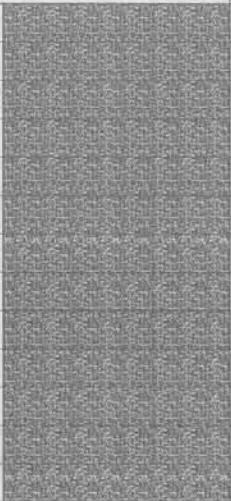
METRES DRILLED						TIME LOG				DETAILS OF OPERATION IN SEQUENCE AND REMARKS			
FROM	TO	DRD R.M.R. CORE C	ROTARY R.P.M.	WT. ON BIT (1000 lbs)		FROM	TO	ELAP. TIME	CODE NO.				
CIRCULATION PRESSURE (kPa)		PUMP NO. 1		PUMP NO. 2									
	LINER SIZE (mm)	S.P.M.		LINER SIZE (mm)	S.P.M.								
REDUCED PUMP SPEED													
	@		@										
DEVIATION SURVEY													
DEPTH (m)	DEVIATION (°)	DIRECTION											
DRILLER SIGNATURE						BOILER HRS. RAN/ ph		MAXIMUM EXPERIENCED HOOKLOAD		SAFETY TOPIC		M.A.C.P.	

SEP. 19/99.

Camp watch.

Rick Parker

ASST.

MORNING TOUR 00:00 TO 08:00					INQUIRIES	
CREW	SOC. INS. NO.	NAME	HRS	YES	NO	
DRILLER		MIKE GISH	12			
DERRICKMAN		TODD BROCK	12			
MOTORMAN						
FLOORMAN						
FLOORMAN						
LEASEMAN						
RIG WATCH						

RATE SCHEDULE

☒ REGULAR
 ☐ REPAIR
 ☐ INVERT

CREW SAFETY DAYS

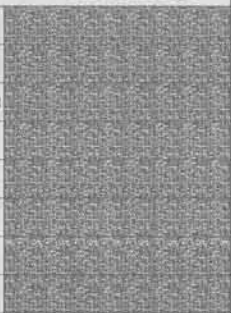
DRILLING ASSEMBLY (At End of Tour)				BIT RECORD										MUD RECORD								
NO.	BIT		O.D. (mm)	LENGTH											MUD TYPE		☐ WATER BASED		☐ OIL BASED			
				m	BIT NO.																	
				m	SIZE (mm)								TIME									
				m	IADC CODE								DENSITY kg/m ³									
				m	MFG.								FUNNEL VIS. - (S/L)									
				m	TYPE								W.L. (cm ³)									
				m	SERIAL NO.								pH									
				m	JETS (mm)																	
				m	DEPTH OUT (m)								MUD MATERIALS ADDED		SOLIDS CONTROL							
				m	DEPTH IN (m)								PRODUCT		AMOUNT X UNIT		DESILTER					
				m	TOTAL METRES DRILLED (m)												HOURS RUN		INTAKE DENSITY (kg/m ³)	OVERFLOW DENSITY (kg/m ³)	UNDERFLOW DENSITY (kg/m ³)	
				m	TOTAL HOURS RUN																	
		D.P.	STANDS	m	CUTTING STRUCTURE		T ₁	T ₂	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr							
		D.P.	SINGLES	m	CENTRIFUGE																	
				m	HOURS RUN																	
				m	INTAKE DENSITY (kg/m ³)																	
				m	OVERFLOW DENSITY (kg/m ³)																	
				m	UNDERFLOW DENSITY (kg/m ³)																	
KELLYDOWN				m	HOLE CONDITION																	
TOTAL				m	HOLE DRAG																	
WT. OF DC				1000 daN	TORQUE AT BOTTOM																	
WT. OF STRING				1000 daN	FILL ON BOTTOM (m)																	

METRES DRILLED						TIME LOG				DETAILS OF OPERATION IN SEQUENCE AND REMARKS											
FROM		TO		D.R.O. R.M. CORE-C.	ROTARY R.P.M.	WT. ON BIT (1000 daN)		FROM	TO	ELAP. TIME	CODE NO										
												SEPT 20/94.									
												Load Big on BARGE.									
DAY T O U R	CIRCULATION PRESSURE (kPa)		PUMP NO. 1			PUMP NO. 2															
	LINER SIZE (mm)		S.P.M.			LINER SIZE (mm)			S.P.M.												
	REDUCED PUMP SPEED																				
	@				@																
	DEVIATION SURVEY																				
	DEPTH (m)		DEVIATION (°)			DIRECTION															
NOTES																					
DRILLER SIGNATURE														BOILER HRS. RAN ph STACK TEMP.		MAXIMUM EXPERIENCED HOOKLOAD		SAFETY TOPIC		M.A.C.P.	

DAY TOUR 08:00 TO				INJURIES	
CREW	SOC. INS. NO.	NAME	HRS	YES	NO
DRILLER		MIKE GISH	12		
DERRICKMAN		Todd Block	12		
MOTORMAN		Simon FRASER	12		
FLOORMAN		DAVID KELLY	12		
FLOORMAN					
LEASEMAN					
RIG WATCH					
RATE SCHEDULE ☒ REGULAR ☐ REPAIR ☐ INVERT					
		CREW SAFETY DAYS			

DRILLING ASSEMBLY (At End of Tour)				BIT RECORD										MUD RECORD										
NO.	BIT		O.D. (mm)	LENGTH											MUD TYPE		☐ WATER BASED		☐ OIL BASED					
					BIT NO.										TIME									
					SIZE (mm)										DENSITY kg/m ³									
					IADC CODE											FUNNEL VIS. - (S/L)								
					MFG.										W.L. (cm ³)									
					TYPE										pH									
					SERIAL NO.																			
					JETS (mm)																			
					DEPTH OUT (m)										MUD MATERIALS ADDED		SOLIDS CONTROL							
					DEPTH IN (m)										PRODUCT		AMOUNT X UNIT							
					TOTAL METRES DRILLED (m)												DESILTER							
					TOTAL HOURS RUN												HOURS RUN		INTAKE DENSITY (kg/m ³)		OVERFLOW DENSITY (kg/m ³)		UNDERFLOW DENSITY (kg/m ³)	
		D.P.	STANDS		CUTTING STRUCTURE		T ₁	T ₂	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.									
		D.P.	SINGLES																					
	KELLY DOWN				HOLE CONDITION																			
	TOTAL				HOLE DRAG																			
WT. OF DC				1000 gal.	TORQUE AT BOTTOM																			
WT. OF STRING				1000 gal.	FILL ON BOTTOM (m)																			

METRES DRILLED						TIME LOG				DETAILS OF OPERATION IN SEQUENCE AND REMARKS			
FROM	TO	DEP. M/R. CODE C	ROTARY R.P.M.	WT. ON BIT (1000-psi)	FROM	TO	ELAP. TIME	CODE NO.					
									SEPT 21/99.				
									Load RIG on BARGE				
CIRCULATION PRESSURE (kPa)		PUMP NO. 1		PUMP NO. 2									
		LINER SIZE (mm)	S.P.M.			LINER SIZE (mm)	S.P.M.						
REDUCED PUMP SPEED													
	@		@										
DEVIATION SURVEY													
DEPTH (m)		DEVIATION (°)		DIRECTION									
NOTES													
DRILLER SIGNATURE						BOILER		MAXIMUM EXPERIENCED HOOKLOAD		SAFETY TOPIC		M.A.C.P.	
HRS. RAN		ph		STACK TEMP.									

EVENING TOUR		TO 24:00	INJURIES
CREW	SOC. INS. NO.	NAME	HRS
DRILLER		MIKE GISH	12
DERRICKMAN		TODD BLACK	12
MOTORMAN		STEVE FRASER	12
FLOORMAN		ALLEN KIEHL	12
FLOORMAN			
LEASEMAN			
RIG WATCH			

RATE SCHEDULE
☐ REGULAR
☐ REPAIR
☐ INVERT

CREW SAFETY DAYS

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APPROVAL PENDING

DRILLING CREW PAYROLL DATA

LICENCE NO.:	WELL NAME AND NO.:	
OPERATOR: <i>NORTH ROCK</i>	CONTRACTOR: <i>AKITA / SARTO</i>	
SURFACE LOCATION:	UNIQUE ID.:	
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	SIGNATURE OF CONTRACTOR'S RIG MANAGER:	

DAILY CHECKS	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) HFD Signs Posted (if required)	Initial	Initial
(4) Wall Leaks & Stock Damage Posted	Initial	Initial
(5) Flame Lines Staked	Initial	Initial
(6) SOP Drafts Prepared	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(8) Rig Site Health and Safety Meeting (one/week/month)	Initial	Initial
(9) C.A.D.C. Rig Safety Inspection Checklist (one/week/month)	Initial	Initial
(10) Mast Inspection Before Raising or Lowering	Initial	Initial
(11) Crown Saver Checked	Initial	Initial
(12) Motor Kills checked	Initial	Initial

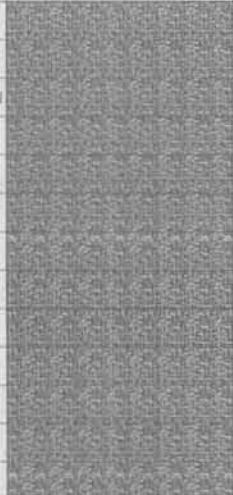
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TIME - HRS	CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTALS	SHALE SHAKER(S)		RENTALS/SERVICES			SACKS	DAY	EVE
	OPER.	RIG UP & TIE IN POWER	DRL ACTUAL	REAMING	CORING	COND MUD & CPG	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRE LINE LOGG	RUN CASE & CEMENT	WAIT ON CEMENT	TRIPLE UP E.O.P.	TEST E.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DRL WORK	SAFETY MTG								NO.	TYPE					
	MORN.																												SCREENS CHANGED ☐ YES ☐ NO							
	DAY																												TOP	TOP						
	EVE																												MIDDLE	MIDDLE						
	TOTAL:																												BOTTOM	BOTTOM						

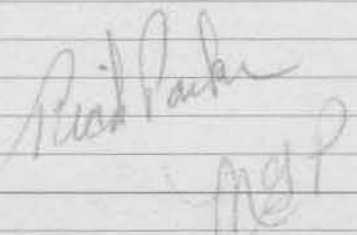
WELL NAME & NO.		YEAR	MONTH	DAY
OPERATOR NORTH ROCK		CONTRACTOR AKULA / SANTU.		
RIG MANAGER Mark Parker		RIG NO. 51		
PROVINCE NUT.		CAMP ☒ YES ☐ NO		RIG SAFETY DAYS

DRILLING ASSEMBLY (At End of Tour)				BIT RECORD										MUD RECORD				
NO.	LENGTH		BIT RECORD										MUD RECORD					
BIT		Q.D. mm	BIT RECORD										MUD TYPE ☐ WATER BASED ☐ OIL BASED					
			BIT NO.							MUD TYPE								
			SIZE (mm)							TIME								
			W.O.C. CODE							DENSITY kg/m ³								
			MFG.							FUNNEL VIS: - (S/L)								
			TYPE							W.L. (cm ²)								
			SERIAL NO.							pH								
			JETS (mm)															
			DEPTH OUT (m)							MUD MATERIALS ADDED		SOLIDS CONTROL						
			DEPTH IN (m)							PRODUCT		AMOUNT X UNIT		DESILTER				
			TOTAL METRES DRILLED (m)									HOURS RUN		INTAKE DENSITY (kg/m ³)	OVERFLOW DENSITY (kg/m ³)	UNDERFLOW DENSITY (kg/m ³)		
			TOTAL HOURS RUN															
	D.P.	STANDS	CUTTING STRUCTURE	T ₁	T ₂	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.	CENTRIFUGE					
	D.P.	SINGLES											HOURS RUN	INTAKE DENSITY (kg/m ³)	OVERFLOW DENSITY (kg/m ³)	UNDERFLOW DENSITY (kg/m ³)		
KELLYDOWN			HOLE CONDITION															
TOTAL			HOLE DRAG															
WT. OF DG.			1000 lbs	TORQUE AT BOTTOM										HOURS RUN				
WT. OF STRING			1000 lbs	FILL ON BOTTOM (m)										INTAKE DENSITY (kg/m ³)				
														OVERFLOW DENSITY (kg/m ³)				
														UNDERFLOW DENSITY (kg/m ³)				

METRES DRILLED					TIME LOG				DETAILS OF OPERATION IN SEQUENCE AND REMARKS			
FROM	TO	DRD DATA CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 gms)	FROM	TO	ELAP. TIME	CODE NO.				
									SEPT 28/99.			
CIRCULATION PRESSURE (kPa)	PUMP NO. 1		PUMP NO. 2						SPIT DEBRIS AND HOARDING LARGE			
	LINEI SIZE (mm)	S.P.M.	LINEI SIZE (mm)	S.P.M.								
REDUCED PUMP SPEED												
	@		@									
DEVIATION SURVEY												
DEPTH (m)	DEVIATION (°)		DIRECTION						Rick Parker			
									MSP			
NOTES												
DRILLER SIGNATURE					BOILER HRS. RAN ph STACK TEMP.		MAXIMUM EXPERIENCED HOOKLOAD		SAFETY TOPIC		M.A.C.P.	

MORNING TOUR 00:00 TO 08:00					INJURIES	
CREW	SOC. INS. NO.	NAME	HRS	YES	NO	
DRILLER		MIKE GISH	12			
DERRICKMAN		Todd Black	12			
MOTORMAN		Simon Fraser	12			
FLOORMAN		Allen Kelly	12			
FLOORMAN						
LEASEMAN						
RIG WATCH						
RATE SCHEDULE ☒ REGULAR ☐ REPAIR ☐ INVERT						
		CREW SAFETY DAYS				

DRILLING ASSEMBLY (At End Of Tour)						BIT RECORD							MUD RECORD							
NO.	BIT		O.D. (mm)	LENGTH										MUD TYPE		☐ WATER BASED		☐ OIL BASED		
				m	B.T. NO.									TIME						
				m	SIZE (mm)									DENSITY kg/m ³						
				m	IADC CODE									FUNNEL VIS. - (S/L)						
				m	MFG.									W.L. (cm ³)						
				m	TYPE									pH						
				m	SERIAL NO.															
				m	JETS (mm)															
				m	DEPTH OUT (m)									MUD MATERIALS ADDED		SOLIDS CONTROL				
				m	DEPTH IN (m)									PRODUCT	AMOUNT X UNIT	DESILTER				
				m	TOTAL METRES DRILLED (m)									HOURS RUN	INTAKE DENSITY (kg/m ³)	OVERFLOW DENSITY (kg/m ³)	UNDERFLOW DENSITY (kg/m ³)			
				m	TOTAL HOURS RUN															
	D.P.	STANDS		m	CUTTING STRUCTURE	T ₁	T ₀	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.	CENTRIFUGE					
	D.P.	SINGLES		m										HOURS RUN	INTAKE DENSITY (kg/m ³)	OVERFLOW DENSITY (kg/m ³)	UNDERFLOW DENSITY (kg/m ³)			
KELLYDOWN				m	HOLE CONDITION															
TOTAL				m	HOLE DRAG															
WT.OF DC				1000 est	TORQUE AT BOTTOM									HOURS RUN	INTAKE DENSITY (kg/m ³)	OVERFLOW DENSITY (kg/m ³)	UNDERFLOW DENSITY (kg/m ³)			
WT.OF STRING				1000 est	PILL ON BOTTOM (m)															

METRES DRILLED					TIME LOG				DETAILS OF OPERATION IN SEQUENCE AND REMARKS				
FROM	TO	GR-D R.H.4 CORE-G	ROTARY R.P.M.	WT. ON BIT (1000 lbs)	FROM	TO	ELAP TIME	CODE NO					
									SEPT 23/99.				
CIRCULATION PRESSURE (KPa)	PUMP NO. 1		PUMP NO. 2		LOAD BARGE.								
	LINEA SIZE (mm)	S.P.M.	LINEA SIZE (mm)	S.P.M.									
REDUCED PUMP SPEED					CHANGE OUT LOG WATCH								
@			@										
DEVIATION SURVEY													
DEPTH (m)	DEVIATION (°)		DIRECTION										
NOTES													
DRILLER SIGNATURE					BOILER		MAXIMUM EXPERIENCED HOOKLOAD		SAFETY TOPIC		M.A.C.P.		
HRS. RUN		ph		STACK TEMP.									

DAY TOUR 08:00 TO				INJURIES
CREW	SOC. INS. NO.	NAME	HRS	YES NO
DRILLER		MIKE GISH	8	
DERRICKMAN		Todd Block.	8	
MOTORMAN		Simon Fraser.	12	
FLOORMAN				
FLOORMAN				
DERE		HEUR Tishenko	12	
LEASEMAN				
RIG WATCH				
RATE SCHEDULE ☒ REGULAR ☐ REPAIR ☐ INVERT				
		CREW SAFETY DAYS		

DRILLING ASSEMBLY (At End of Tour)				BIT RECORD										MUD RECORD							
NO.	LENGTH		BIT NO.											MUD TYPE		WATER BASED		OIL BASED			
	BIT	O.D. (mm)		SIZE (mm)											TIME						
				IADC CODE											DENSITY kg/m ³						
				MFG.											FUNNEL VIS. - (S/L)						
				TYPE											W.L. (cm ³)						
				SERIAL NO.											pH						
				JETS (mm)																	
				DEPTH OUT (m)											MUD MATERIALS ADDED		SOLIDS CONTROL				
				DEPTH IN (m)											PRODUCT	AMOUNT X UNIT		DESILTER			
				TOTAL METRES DRILLED (m)														HOURS RUN	INTAKE DENSITY (g/cm ³)	OVERFLOW DENSITY (g/cm ³)	UNDERFLOW DENSITY (g/cm ³)
				TOTAL HOURS RUN																	
	D.P.	STANDS		CUTTING STRUCTURE													CENTRIFUGE				
				T ₁	T ₂	MDC	LOC											HOURS RUN	INTAKE DENSITY (g/cm ³)	OVERFLOW DENSITY (g/cm ³)	UNDERFLOW DENSITY (g/cm ³)
	D.P.	SINGLES																			
KELLYDOWN				HOLE CONDITION																	
TOTAL				HOLE DRAG																	
WT. OF DC			1000 g/m	TORQUE AT BOTTOM																	
WT. OF STRING			1000 g/m	FILL ON BOTTOM (m)												HOURS RUN	INTAKE DENSITY (g/cm ³)	OVERFLOW DENSITY (g/cm ³)	UNDERFLOW DENSITY (g/cm ³)		

METRES DRILLED					TIME LOG				DETAILS OF OPERATION IN SEQUENCE AND REMARKS			
FROM	TO	D/D RMP CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 gms)	FROM	T.O	ELAP. TIME	CODE NO.				
CIRCULATION PRESSURE (kPa)		PUMP NO. 1		PUMP NO. 2								
		LINER SIZE (mm)	S.P.M.	LINER SIZE (mm) S.P.M.								
REDUCED PUMP SPEED												
@ @												
DEVIATION SURVEY												
DEPTH (m)		DEVIATION (°)		DIRECTION								
NOTES												
DRILLER SIGNATURE					BOILER HRS. RAN ph STACK TEMP.		MAXIMUM EXPERIENCED HOOKLOAD		SAFETY TOPIC		M.A.C.P.	

EVENING TOUR			TO 24:00	INJURIE
CREW	SOC. INS. NO.	NAME	HRS	YES NO
DRILLER				
DERRICKMAN				
MOTORMAN				
FLOORMAN				
FLOORMAN				
LEASEMAN				
RIG WATCH				
RATE SCHEDULE		☐ REGULAR	☐ REPAIR	☐ INVERT
	CREW SAFETY DAYS			