

LICENCE NO 1987 WELL NAME & NO ANADARKO ARROWHEAD RIVER J-74 OPERATOR ANADARKO CANADA ENERGY CONTRACTOR AKITA DRILLING LTD SURFACE LOCATION LA 60:33 35 4N/LO 123 58 53 1W SIGNATURE OF OPERATOR'S REPRESENTATIVE BARRY GOODRICH SIGNATURE OF CONTRACTOR'S RIG MANAGER LEN SAWCHUK

PASON DATAHUB Akita 15 Job 20 AFE 3 CON 3422-2-011204

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			1MORN	1DAY	1EVE
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B O P	TEST B O P	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING							NO	TYPE 1	TYPE 2							
MORN						3 75	0 25					3 75									0 25						8 00	SCREENS CHANGED									
DAY	3 00				2 25							1 25		1 25							0 25						8 00	TOP	84	TOP							
EVE	8 00																									8 00	MIDDLE	84	MIDDLE								
TOTAL	11 00				2 25	3 75	0 25					5 00		1 25							0 50					24 00	BOTTOM	84	BOTTOM								

DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MORNING TOUR MUD RECORD METRES DRILLED TIME LOG

DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD DAY TOUR MUD RECORD METRES DRILLED TIME LOG

DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD EVENING TOUR MUD RECORD METRES DRILLED TIME LOG

DRILLING CREW PAYROLL DATA ANADARKO ARROWHEAD RIVER J-74 CONTRACTOR AKITA DRILLING LTD MORNING TOUR DAY TOUR EVENING TOUR



Akita 15
Job 20
AFE 3
CDN 3422-2-011204

DRILLING CREW PAYROLL DATA					
WELL NAME & NO ANADARKO ARROWHEAD RIVER J-74			YEAR 2003	MONTH 3	DAY 14
OPERATOR ANADARKO CANADA ENERGY		CONTRACTOR AKITA DRILLING LTD			
RIG MANAGER LEN SAWCHUK			RIG NO 15		
PROVINCE NWT	CAMP	☒ YES	☐ NO	RIG SAFETY DAYS 819	

[illegible]

DAY TOUR		FROM	800	TO	1600	INJURIES	
CREW	SOC INS NO	NAME			HRS	YES	NO
DRILLER		MARTY SHERWOOD			12 00		MS
DERRICK HAND		KURT SAMUEL			12 00		KS
MOTOR HAND		SCOTT BODIN			12 00		SB
FLOOR HAND		SCOTT BLACK			12 00		SB
FLOOR HAND		RYAN HANSON			12 00		RH
WELL SITE COORDINATOR		GARY WILLIAMS			12 00		GW
RATE/SCHEDULE	X	REGULAR		REPAIR		INVERT	
		CREW SAFETY DAYS					

[illegible]

PASON DATAHUB
Akita 15
Job 20
AFE 3
CDN 3422-2-011204

DRILLING CREW PAYROLL DATA				
WELL NAME & NO		YEAR	MONTH	DAY
ANADARKO ARROWHEAD RIVER J-74		2003	3	13
OPERATOR		CONTRACTOR		
ANADARKO CANADA ENERGY		AKITA DRILLING LTD		
RIG MANAGER		RIG NO		
LEN SAWCHUK		15		
PROVINCE	CAMP	RIG SAFETY DAYS		
NWT	☒ YES ☐ NO	818		

[illegible]

DAY TOUR		FROM	800	TO	1600	INJURIES	
CREW	SOC INS NO	NAME		HRS		YES	NO
DRILLER		MARTY SHERWOOD		12 00			MS
DERRICK HAND		KURT SAMUEL		12 00			KS
MOTOR HAND		SCOTT BODIN		12 00			SB
FLOOR HAND		RYAN HANSON		12 00			RH
FLOOR HAND		SCOTT BLACK		12 00			SB
WELL SITE COORDINATOR		GARY WILLIAMS		12 00			GW
RATE/SCHEDULE	X	REGULAR		REPAIR		INVERT	
		CREW SAFETY DAYS					
		20					

[illegible]

PASON DATAHUB
Akita 15
Job 20
AFE 3
CDN 3422-2-011204



DRILLING CREW PAYROLL DATA					
WELL NAME & NO ANADARKO ARROWHEAD RIVER J-74			YEAR 2003	MONTH 3	DAY 12
OPERATOR ANADARKO CANADA ENERGY			CONTRACTOR AKITA DRILLING LTD		
RIG MANAGER LEN SAWCHUK			RIG NO 15		
PROVINCE NWT		CAMP ☒ YES ☐ NO	RIG SAFETY DAYS 817		

[illegible][illegible][illegible]

LICENCE NO 1987	WELL NAME & NO ANADARKO ARROWHEAD RIVER J-74	DAILY CHECKS (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 BOPs, Flare Lines & Degasser Lines (1) Rig Site Health & Safety Meeting (one/week/month) (2) CAODC Rig Safety Inspection Checklist (one/week/month) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked		YEAR 2003 MONTH 3 DAY 11	RIG NO 15	FUEL @ 01:00 HRS 13275	BOILER 5700	LAST CASING TUBING OR LINER	OD (mm)	MIN ID (mm)	kg/m	MAKE	GRADE	NO OF JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
OPERATOR ANADARKO CANADA ENERGY	CONTRACTOR AKITA DRILLING LTD.	UNIQUE ID 300J7404G122450	SIGNATURE OF CONTRACTOR'S RIG MANAGER LEN SAWCHUK	TEMPERATURE 24 CURRENT CONDITIONS CLEAR WIND DIRECTION N W ROAD CONDITION SNOW													
SURFACE LOCATION LA 60 33:35 4N/L0 123:58:53 1W		SIGNATURE OF OPERATOR'S REPRESENTATIVE BRIAN PREECE		DC / DP SIZE 102 MASS 20.83 GRADE E MINIMUM ID 61 T JNT O D 126 TYPE THREAD 4 FH NO OF JOINTS 90 PUMP TYPE F-650 PUMP MANUFACTURER EMSCO STROKE LENGTH 203													

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

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	MORNING TOUR	MUD RECORD	METRES DRILLED	TIME LOG
1	BIT	0.32	BIT NO 1	MUD TYPE	X WATER BASED	OIL BASED	FROM 0 TO 15 ELAPSED TIME 0 25 10
1	BIT SUB	158 0.77	SIZE 311 2	TIME	200	400	186 00
8	D C	158 74.75	IADC CODE	DENSITY (KG/M3)	1130	1125	212 00
1	JAR	158 5.07	MANUFACTURER SMITH	FUNNEL VISCOSITY	51	54	345 400
4	D C	158 36.24	TYPE XGGC	FLUID LOSS (cm3)		64	400 415
1	X O	158 0.91	SERIAL NO RRO276	pH	10.0	10.0	415 500
8	H W D P	130 55.61	JETS 14 3 14 3	PVT	26.00	26.40	500 530
				MUD MATERIALS ADDED		CIRCULATION PRESSURE (KPa)	
				PRODUCT AMOUNT UNIT		PUMP NO 1 LINER SIZE SPM	
				DETERGENT 1 PAIRS		PUMP NO 2 LINER SIZE SPM	
				SAPP 1 SX		REDUCED PUMP SPEED	
				CAUSTIC 1 SX		DEVIATION SURVEYS	
				GEL 15 SX		DEPTH (M) DEVIATION DIRECTION	
				CUTTING STRUCTURE		173 00 1.00	
				TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR		192 00 0.25	
				HOLE CONDITION		NOTES FUNCTION CROWN SAVER	
				HOLE DRAG		BOILER BLOW DOWN 4 XS=120 L	
				TORQUE AT BOTTOM		WT BELOW JARS=13000 ROTATING HRS=74.25	
				FILL ON BOTTOM (M)		DRILLER SIGNATURE	
				D P STANDS		HRS RUN BOILER PH STACK TEMP MAXIMUM EXPERIENCED HOOK LOAD SAFETY TORQ MACP	
				KELLY DOWN		8 00 10 0 430 38	
				TOTAL		0	
				WT OF D C			
				WT OF STRING			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	DAY TOUR	MUD RECORD	METRES DRILLED	TIME LOG
1	BIT	0.32	BIT NO 1	MUD TYPE	X WATER BASED	OIL BASED	FROM 800 TO 830 ELAPSED TIME 0 50 6
1	BIT SUB	158 0.77	SIZE 311 0	TIME	1130	1315	800 830
8	D C	158 74.75	IADC CODE	DENSITY (KG/M3)	1130	1130	830 845
1	JAR	158 5.07	MANUFACTURER SMITH	FUNNEL VISCOSITY	75	75	845 915
4	D C	158 36.24	TYPE XGGC	FLUID LOSS (cm3)			915 1115
1	X O	158 0.91	SERIAL NO RRO276	pH	9.0	9.5	1115 1315
8	H W D P	130 55.61	JETS 14 3 14 3	MUD MATERIALS ADDED			1315 1345
				PRODUCT AMOUNT UNIT		CIRCULATION PRESSURE (KPa)	
				DETERGENT 1 PAIRS		PUMP NO 1 LINER SIZE SPM	
				SAPP 1 SX		PUMP NO 2 LINER SIZE SPM	
				CAUSTIC 1 SX		REDUCED PUMP SPEED	
				GEL 15 SX		DEVIATION SURVEYS	
				CUTTING STRUCTURE		DEPTH (M) DEVIATION DIRECTION	
				TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR		229 00 0.75	
				HOLE CONDITION		NOTES CHECK CROWN SAVER DEADMAN CLAMP & BRAKE LINKAGE	
				HOLE DRAG		BLOW BOILER DOWN 3 TIMES = 90 LITERS	
				TORQUE AT BOTTOM		WT BELOW JARS = 13 000 DAN TOTAL ROTATING HRS = 78.25	
				FILL ON BOTTOM (M)		DRILLER SIGNATURE	
				D P STANDS		HRS RUN BOILER PH STACK TEMP MAXIMUM EXPERIENCED HOOK LOAD SAFETY TORQ MACP	
				KELLY DOWN		8 00 10 0 420 38	
				TOTAL		BACK REAMING	
				WT OF D C			
				WT OF STRING			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	EVENING TOUR	MUD RECORD	METRES DRILLED	TIME LOG
1	BIT	0.32	BIT NO 2	MUD TYPE	X WATER BASED	OIL BASED	FROM 1600 TO 1630 ELAPSED TIME 0 50 6
1	BIT SUB	158 0.77	SIZE 311 0	TIME	1900	2130	1600 1630
8	D C	158 74.75	IADC CODE	DENSITY (KG/M3)	1110	1130	1630 1700
1	JAR	158 5.07	MANUFACTURER SMITH	FUNNEL VISCOSITY	60	95	1700 1815
4	D C	158 36.24	TYPE X1CXP	FLUID LOSS (cm3)			1815 2115
1	X O	158 0.91	SERIAL NO J26052	pH	8.5	9.5	2115 2230
8	H W D P	130 55.61	JETS 15 9 15 9	MUD MATERIALS ADDED			2230 2245
				PRODUCT AMOUNT UNIT		CIRCULATION PRESSURE (KPa)	
				CARBONOX 1 SX		PUMP NO 1 LINER SIZE SPM	
				BARAZAN D 2 SX		PUMP NO 2 LINER SIZE SPM	
				GEL 22 SX		REDUCED PUMP SPEED	
				CAUSTIC 1 SX		DEVIATION SURVEYS	
				CUTTING STRUCTURE		DEPTH (M) DEVIATION DIRECTION	
				TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR		8000 152 0 110 152 0 110	
				HOLE CONDITION		NOTES FUNCTION CROWN SAVER	
				HOLE DRAG		BOILER BLOW DOWN 4 XS = 120 L	
				TORQUE AT BOTTOM		WT BELOW JARS 13 000 DAN ROTATING HRS = 79.5	
				FILL ON BOTTOM (M)		DRILLER SIGNATURE	
				D P STANDS		HRS RUN BOILER PH STACK TEMP MAXIMUM EXPERIENCED HOOK LOAD SAFETY TORQ MACP	
				KELLY DOWN		8 00 10 0 430 20	
				TOTAL		RUNNING CSG	
				WT OF D C			
				WT OF STRING			

PASON DATAHUB
Akita 15
Job 20
AFE 3
CDN 3422-2-011204



DRILLING CREW PAYROLL DATA				
WELL NAME & NO ANADARKO ARROWHEAD RIVER J-74	YEAR 2003	MONTH 3	DAY 11	
OPERATOR ANADARKO CANADA ENERGY	CONTRACTOR AKITA DRILLING LTD			
RIG MANAGER LEN SAWCHUK	RIG NO 15	RIG SAFETY DAYS 816		
PROVINCE NWT	CAMP	X YES	NO	

CREW	SOC INS NO	NAME	HRS	YES	NO
DRILLER		LINUS BOIRE	8.00		LB
DERRICK HAND		ERNE LAFLEUR	8.00		EL
MOTOR HAND		TONY OGILVIE	8.00		TO
FLOOR HAND		BLAIR BAYLIS	8.00		BB
FLOOR HAND		BASSIM KADRI	8.00		BK

RATE SCHEDULE	X	REGULAR	REPAIR	INVERT
CREW SAFETY DAYS				
18				

CREW	SOC INS NO	NAME	HRS	YES	NO
DRILLER		MARTY SHERWOOD	12.00		MS
DERRICK HAND		KURT SAMUEL	12.00		KS
MOTOR HAND		SCOTT BODIN	12.00		SB
FLOOR HAND		RYAN HANSON	12.00		RH
FLOOR HAND		SCOTT BLACK	12.00		SB
WELL SITE COORDINATOR		GARY WILLIAMS	12.00		GW

RATE SCHEDULE	X	REGULAR	REPAIR	INVERT
CREW SAFETY DAYS				
18				

CREW	SOC INS NO	NAME	HRS	YES	NO
DRILLER		LINUS BOIRE	4.00		LB
DERRICK HAND		ERNE LAFLEUR	4.00		EL
MOTOR HAND		TONY OGILVIE	4.00		TO
FLOOR HAND		BLAIR BAYLIS	4.00		BB
FLOOR HAND		BASSIM KADRI	4.00		BK

RATE SCHEDULE	X	REGULAR	REPAIR	INVERT
CREW SAFETY DAYS				
18				

LICENCE NO 1987	WELL NAME & NO ANADARKO ARROWHEAD RIVER J-74	DAILY CHECKS (1) Daily Walk Around Inspection (2) Detailed Inspection Weekly (Using Check List) (3) H2S Signs Posted if Required (4) Well License & Stock Diagram Posted (5) Flare Lines Staked (6) BOP Drifts Performed (7) Visually Inspect BOPs, Flare Lines & Degasser Lines (1) Rig Site Health & Safety Meeting (one/crow/month) (2) CAODC Rig Safety Inspection Checklist (one/rig/month) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked	YEAR 2003 MONTH 3 DAY 10	LAST CASING TUBING OR LINER	O D (mm)	MIN I D (mm)	kg/m	MAKE	GRADE	NO OF JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)		
OPERATOR ANADARKO CANADA ENERGY	CONTRACTOR AKITA DRILLING LTD	UNIQUE ID 300J7404G122450	RIG NO 15	FUEL @ 05:00 HRS BOILER	DC / DP SIZE	MASS	GRADE	MINIMUM I D	T JNT O D	TYPE THREAD	NO OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH	
SURFACE LOCATION LA 60 33:35-4N/LO 123 58 53 1W	SIGNATURE OF OPERATOR'S REPRESENTATIVE BRIAN PREECE	SIGNATURE OF CONTRACTOR'S RIG MANAGER LEN SAWCHUK	TEMPERATURE CURRENT CONDITIONS	WIND DIRECTION N W	ROAD CONDITION SNOW	102	20 83	E	61	126	4 FH	90	F-650	EMSCO	203

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				MORNE	DAY	EVE
	TRIPUP 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	NIPLLE UP B O P	TEST B O P	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DRL WORK	SAFETY MEETINGS	WORK TIME	HOLE	NO		TYPE												
	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		1	2	1	2	1	2					
	SCREENS CHANGED	YES	NO	TOP	MIDDLE	BOTTOM	TOP	MIDDLE	BOTTOM	TOP	MIDDLE	BOTTOM	TOP	MIDDLE	BOTTOM	TOP	MIDDLE	BOTTOM	TOP	MIDDLE	BOTTOM	TOP	MIDDLE	BOTTOM	TOP	MIDDLE		BOTTOM	TOP	MIDDLE	BOTTOM	TOP	MIDDLE	BOTTOM	TOP			
MORN	3 50	3 75								0 25					0 25						0 25						8 00	110	SCREENS	84	TOP							
DAY		5 75				0 50	0 25			0 50												1 00					8 00	110	MIDDLE	84	MIDDLE							
EVE		7 25					0 25			0 50																	8 00	110	BOTTOM	84	BOTTOM							
TOTAL	3 50	16 75				0 50	0 50			1 25					0 25						0 25	1 00					24 00	110										

LICENCE NO 1987 WELL NAME & NO ANADARKO ARROWHEAD RIVER J-74 OPERATOR ANADARKO CANADA ENERGY CONTRACTOR AKITA DRILLING LTD SURFACE LOCATION LA 60 33 35 4N/LO 123 58:53.1W SIGNATURE OF OPERATOR'S REPRESENTATIVE BRIAN PREECE SIGNATURE OF CONTRACTOR'S RIG MANAGER LEN SAWCHUK

DAILY CHECKS (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 BOPs- Flare Lines & Degasser Lines (1) Rig Site Health & Safety Meeting (one/crow/month) (2) CAODC Rig Safety Inspection Checklist (one/rig/month) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Motor Vibs Checked

YEAR 2003 MONTH 3 DAY 9 RIG NO 15 FUEL @ 01:00 HRS BOILER TEMPERATURE 14 CURRENT CONDITIONS 102 20 83 102 41 64 152 122 91 LAST CASING TUBING OR LINER O.D (mm) MIN I.D (mm) kg/m MAKE GRADE NO OF JOINTS TOTAL LENGTH KB TO CSG HEAD SET AT (m) DC / DP SIZE MASS GRADE MINIMUM ID T JNT O D TYPE THREAD NO OF JOINTS PUMP TYPE PUMP MANUFACTURER STROKE LENGTH

102 20 83 E 61 126 4 FH 90 F-650 EMSCO 203 102 41 64 HWDP 61 126 4 FH 20 F-650 EMSCO 203 152 122 91 DC 52 152 4 5 XH 16

PASON DATAHUB Akita 15 Job 20 AFE 3 CDN 3422-2-011204

CAODC

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			MORN	DAY	EVE
	RIQUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIQ SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPLLE UP B O P	TEST B O P	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING	RIG MOVE	DIVERTER					NO	TYPE 1	TYPE 2							
																											8 00	SCREENS CHANGED		YES	NO						
	MORN	8 00																										8 00	TOP		84	TOP					
	DAY	0 50																				0 25	7 25					8 00	MIDDLE		84	MIDDLE					
EVE	4 50													1 50									2 00				8 00	BOTTOM		84	BOTTOM						
TOTAL	13 00													1 50							0 25	7 25	2 00				24 00	110		84							

DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MORNING TOUR MUD RECORD METRES DRILLED TIME LOG

BIT NO SIZE IADC CODE MANUFACTURER TYPE SERIAL NO JETS DEPTH OUT DEPTH IN TOTAL M DRILLED TOTAL HRS RUN CUTTING STRUCTURE TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR

MUD MATERIALS ADDED PRODUCT AMOUNT UNIT SOLIDS CONTROL DESILTER HOURS RUN INTAKE DENSITY (KG/M3) OVER FLOW DENSITY UNDER FLOW DENSITY CENTRIFUGE HOURS RUN INTAKE DENSITY (KG/M3) OVER FLOW DENSITY UNDER FLOW DENSITY

REDUCED PUMP SPEED DEVIATION SURVEYS DEPTH (M) DEVIATION DIRECTION

DRILLER SIGNATURE EUGENE OROM

CHANGED OIL IN ROTARYTABLE

DRILLING CREW PAYROLL DATA					
WELL NAME & NO ANADARKO ARROWHEAD RIVER J-74 YEAR 2003 MONTH 3 DAY 9					
OPERATOR ANADARKO CANADA ENERGY CONTRACTOR AKITA DRILLING LTD					
RIG MANAGER LEN SAWCHUK RIG NO 15					
PROVINCE NWT CAMP X YES NO RIG SAFETY DAYS 814					
MORNING TOUR FROM 0 TO 800 INJURIES					
CREW	SOC INS NO	NAME	HRS	YES	NO
DRILLER		EUGENE OROM	8 00		EO
DERRICK HAND		DALLAS BAITON	8 00		DB
MOTOR HAND		CHRIS NICOLSON	8 00		CN
FLOOR HAND		RON DUSOMME	8 00		RD
FLOOR HAND		BERNIE HALLOCK	8 00		BH
RATE SCHEDULE X REGULAR REPAIR INVERT					
CREW SAFETY DAYS 16					

DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD DAY TOUR MUD RECORD METRES DRILLED TIME LOG

BIT NO SIZE IADC CODE MANUFACTURER TYPE SERIAL NO JETS DEPTH OUT DEPTH IN TOTAL M DRILLED TOTAL HRS RUN CUTTING STRUCTURE TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR

MUD MATERIALS ADDED PRODUCT AMOUNT UNIT SOLIDS CONTROL DESILTER HOURS RUN INTAKE DENSITY (KG/M3) OVER FLOW DENSITY UNDER FLOW DENSITY CENTRIFUGE HOURS RUN INTAKE DENSITY (KG/M3) OVER FLOW DENSITY UNDER FLOW DENSITY

REDUCED PUMP SPEED DEVIATION SURVEYS DEPTH (M) DEVIATION DIRECTION

DRILLER SIGNATURE LINUS BOIRE

SAFETY MTG LOAD OUT RIG AND RENTAL EQUIPMENT @ M-35 SPOT RIG AND RENTAL EQUIPMENT @ J-74 RIG UP

DAY TOUR FROM 800 TO 1600 INJURIES					
CREW	SOC INS NO	NAME	HRS	YES	NO
DRILLER		LINUS BOIRE	12 00		LB
DERRICK HAND		ERNIE LAFLEUR	12 00		EL
MOTOR HAND		TONY OGILVIE	12 00		TO
FLOOR HAND		BLAIR BAYLIS	12 00		BB
FLOOR HAND		BASSIM KADRI	12 00		BK
WELL SITE COORDINATOR GARY WILLIAMS 12 00 GW					
RATE SCHEDULE X REGULAR REPAIR INVERT					
CREW SAFETY DAYS 16					

DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD EVENING TOUR MUD RECORD METRES DRILLED TIME LOG

BIT NO SIZE IADC CODE MANUFACTURER TYPE SERIAL NO JETS DEPTH OUT DEPTH IN TOTAL M DRILLED TOTAL HRS RUN CUTTING STRUCTURE TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR

MUD MATERIALS ADDED PRODUCT AMOUNT UNIT SOLIDS CONTROL DESILTER HOURS RUN INTAKE DENSITY (KG/M3) OVER FLOW DENSITY UNDER FLOW DENSITY CENTRIFUGE HOURS RUN INTAKE DENSITY (KG/M3) OVER FLOW DENSITY UNDER FLOW DENSITY

REDUCED PUMP SPEED DEVIATION SURVEYS DEPTH (M) DEVIATION DIRECTION

DRILLER SIGNATURE EUGENE OROM

RIG MOVE

EVENING TOUR FROM 1600 TO 2400 INJURIES					
CREW	SOC INS NO	NAME	HRS	YES	NO
DRILLER		EUGENE OROM	4 00		EO
DERRICK HAND		DALLAS BAITON	4 00		DB
MOTOR HAND		CHRIS NICOLSON	4 00		CN
FLOOR HAND		RON DUSOMME	4 00		RD
FLOOR HAND		BERNIE HALLOCK	4 00		BH
RATE SCHEDULE X REGULAR REPAIR INVERT					
CREW SAFETY DAYS 16					