

ALL IN ONE

PASON RIG PRINTOUT

DRILLING CREW PAYROLL DATA

WELL NAME & NO. ANADARKO Arrowhead 1-75		YEAR 2003	MONTH 2	DAY 28
OPERATOR ANADARKO CANADA ENERGY		CONTRACTOR SHEHTAH-WILSON PARTNERSHIP		
RIG MANAGER Greg Pukas		RIG NO. 5		
PROVINCE N.W.T.		CAMP ☒ YES ☐ NO		RIG SAFETY DAYS 214

[illegible][illegible][illegible]

PASON RIG PRINTOUT

WELL NAME & NO.				YEAR	MONTH	DAY
Anadarko Arrowhead 175				2003	2	26
OPERATOR ANADARKO CANADA ENERGY			CONTRACTOR SHEHTAH-WILSON PARTNERSHIP			
NO. INVOICES Greg Pukas			FIG. NO. 5			
PROVINCE N.W.T.			FIG. SAFETY DAYS 212			
CAMP			YES			
X			NO			

[illegible][illegible][illegible]

ALL IN ONE

DRILLING CREW PAYROLL DATA									
WELL NAME & NO.				YEAR	MONTH	DAY			
Anadarko Arrowhead I-75				2003	2	25			
OPERATOR				CONTRACTOR					
ANADARKO CANADA ENERGY				SHEHTAH-WILSON PARTNERSHIP					
REG MANAGER				REG NO.					
Greg Pukas				5					
PROVINCE				RIG SAFETY DAYS					
N.W.I.				25.5					
CAMP				X					
DAY				YES					
NIGHT				NO					

[illegible][illegible][illegible]

RATE SCHEDULE		X	REGULAR	REPAIR	INVERT
		CREW SAFETY DAYS			
		211			

PASON RIG PRINTOUT

PROVINCE N.W.T.	CAMP ☒ YES ☐ NO	RIG SAFETY DAYS 209
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	CREW SAFETY DAYS	
	200	

	CREW SAFETY DAYS	
	200	

	CREW SAFETY DAYS	
	200	

PASON RIG PRINT OUT

DRILLING CREW PAYROLL DATA			
WELL NAME & NO.	YEAR	MONTH	DAY
Anadarko Arrowhead I-75	2003	2	22
OPERATOR	CONTRACTOR		
ANADARKO CANADA ENERGY	SHEHTAH-WILSON PARTNERSHIP		
NO MANAGER	RW NO.		
Greg Fukas	5		
PROVINCE	NO SAFETY DAYS		
N.W.T.	CAMP	208	
	☒ YES ☐ NO		

[illegible][illegible][illegible]

PASON RIG PRINT OUT

DRILLING CREW PAYROLL DATA									
WELL NAME & NO.		ANADARKO Arrowhead 1-75		YEAR		MONTH		DAY	
				2003		2		20	
OPERATOR				CONTRACTOR					
ANADARKO CANADA ENERGY				SHEHTAH-WILSON PARTNERSHIP					
RIG MANAGER								RIG NO.	
Greg Pukas								5	
PROVINCE				CAMP		RIG SAFETY DAYS			
AL WY T				☒ ☐		5 DAYS			

[illegible][illegible][illegible]

1981 ANADARKO CANADA ENERGY SHEHTAH-WILSON PARTNERSHIP 60:34:42.30 N 122:58:32.60 W B.Goodrich / J.Kerekan

ALL IN ONE

PASON RIG PRINTOUT

Table with 26 columns: 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. Rows include MORN, DAY, EVE, TOTAL.

DRILLING ASSEMBLY BIT RECORD MORNING TOUR MUD RECORD METRES DRILLED TIME LOG. Includes detailed logs for drilling parameters, mud properties, and pump data.

DRILLING ASSEMBLY BIT RECORD DAY TOUR MUD RECORD METRES DRILLED TIME LOG. Includes detailed logs for drilling parameters, mud properties, and pump data.

DRILLING ASSEMBLY BIT RECORD EVENING TOUR MUD RECORD METRES DRILLED TIME LOG. Includes detailed logs for drilling parameters, mud properties, and pump data.

DRILLING CREW PAYROLL DATA

Table with 10 columns: YEAR, MONTH, DAY, OPERATOR, CONTRACTOR, RIG NO., RIG MANAGER, PROVINCE, CAMP, YES, NO, RIG SAFETY DAYS.

Table with 10 columns: CREW, SOC INS. NO., NAME, HRS, YES, NO. Rows include DRILLER, DERRICK HAND, MOTOR HAND, FLOOR HAND.

Table with 10 columns: CREW, SOC INS. NO., NAME, HRS, YES, NO. Rows include DRILLER, DERRICK HAND, MOTOR HAND, FLOOR HAND.

Table with 10 columns: CREW, SOC INS. NO., NAME, HRS, YES, NO. Rows include DRILLER, DERRICK HAND, MOTOR HAND, FLOOR HAND.

ALL IN ONE

DRILLING CREW PAYROLL DATA									
WELL NAME & NO.			YEAR	MONTH	DAY				
Anadarko Arrowhead I-75			2003	2	18				
OPERATOR			CONTRACTOR						
ANADARKO CANADA ENERGY			SHEHTAH-WILSON PARTNERSHIP						
RIG MANAGER						RIG NO.			
Greg Pukas						5			
PROVIDER			CAMP	X	YES			NO	SAFETY DAYS
N.W.T.									276

[illegible][illegible][illegible]

ALL IN ONE
PASON RIG PRINTOUT

DRILLING CREW PAYROLL DATA									
WELL NAME & NO.				YEAR	MONTH	DAY			
Anadarko Arrowhead t-75				2003	2	16			
OPERATOR ANADARKO CANADA ENERGY				CONTRACTOR SHEHTAH-WILSON PARTNERSHIP					
REG MANAGER Greg Pukas				REG NO. 5			REG. DATE 2/27/03		
PROVINCIAL N.W.T.				CAMP	☒ YES	☐ NO	SAFETY DAYS		

[illegible][illegible][illegible]

LICENCE NO. 1981 WELL NAME AND NO. Anadarko Arrowhead I-75

OPERATOR ANADARKO CANADA ENERGY CONTRACTOR SHEHTAH-WILSON PARTNERSHIP

SURFACE LOCATION 60:34:42.30 N 122:58:32.60 W UNIQUE ID 3001756040122450

SIGNATURE OF OPERATOR'S REPRESENTATIVE K.Genest / B.Goodrich SIGNATURE OF CONTRACTOR'S RIG MANAGER Greg Pukas

DAILY CHECKS

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

(1.) Rig Site Health & Safety Meeting (annex/annex)
(2.) CAGOC Rig Safety Inspection Checklist (annex/annex)
(3.) Main Inspection before Relining at Lowering
(4.) Crown Sewer Checked
(5.) Motor Rigs Checked

TEMPERATURE -20
CURRENT CONDITIONS LITE SHOW
WIND DIRECTION N.W.
WIND VELOCITY 10
WIND CONDITION K.E.

YEAR 2003 MONTH 2 DAY 15

RIG NO. 5

FUEL @ 08:00 HRS

LAST CASING TUBING OR LINER

O.D. (mm) 244.5 MIN I.D. 226.4 KG/M 50.53 MAKE ALGOMA GRADE L-80 NO. JOINTS 46 TOTAL LENGTH 655.30 RKB TO CSG HD 854.70 SET AT (m) 2583.80

NO. 188

BOILER

TEMPERATURE -20

DC / DP SIZE 114 MASS 24.70 GRADE SS-45 MIN I.D. 158 T.J. 00 TYPE 4.5" X 251 NO. JNTS 251 PUMP TYPE PT-1100 PUMP MANUFACTURER OILWELL STROKE LENGTH 254

114 24.70 SS-45 73 158 4.5" X 125 PT-1100 OILWELL 254

114 24.40 HWDP 73 158 4.5" X 21

ALL IN ONE

PASON RIG PRINTOUT

TIME/HRS	NO.	DRILLING ASSEMBLY	LENGTH	BIT NO.	D.D.	BIT RECORD	MORNING TOUR	MUD RECORD	METRES DRILLED	TIME LOG	SHALE SHAKERS	RENTALS	MORN	DAY	EVE
MORN															
DAY															
EVE															
TOTAL															

DRILLING CREW PAYROLL DATA

WELL NAME AND NO. Anadarko Arrowhead I-75

YEAR 2003 MONTH 2 DAY 15

OPERATOR ANADARKO CANADA ENERGY CONTRACTOR SHEHTAH-WILSON PARTNERSHIP

RIG MANAGER Greg Pukas RIG NO. 5

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 201

DRILLING ASSEMBLY LENGTH BIT NO. D.D. BIT RECORD

SIZE IADC CODE MANUFACTURER TYPE SERIAL NO. JETS DEPTH OUT DEPTH IN TOTAL M DRILLED TOTAL HRS RUN

CUTTING STRUCTURE TI To MAJOR DULL LOCATION BRG

GAGE OTHER DULL REASON PULLED TOTAL RUN MHR

DRILL PIPE STANDS DRILL PIPE SINGLES

KELLY DOWN TOTAL WT. OF D.C. WT. OF STRING

MORNING TOUR MUD RECORD METRES DRILLED

FROM TO DRC RPM WOB

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

PULL WEAR BUSHING. CHANGE PIPE RAMS TO 7"

RIG IN TONG HAND RIG FLOOR F/ CASING.

SAFETY MTG. W/ CREW TONG HAND U/D OPERATORS.

PRESS. TEST 7" PIPE RAMS. 5,000 K.P.A. O.K.

RUN CASE BREAK CIRC. FLOW CHECK 1000M.

RIG SERVICE FT. HYDRILL.

NOTES: D.W.A.R.G. CHECK BRAKE ASSEMBLY.

DRILLER SIGNATURE ROSS GUYNUP

HRS RUN 8.00 BOILER 10.5 STACK TEMP 345

MAXIMUM EXPERIENCED HOOK LOAD R/C CASING. SAFETY TOPIC MACP

CREW SAFETY DAYS 201

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ROSS GUYNUP	8.00		RG
DERRICK HAND		KEVIN FINNING	8.00		KF
MOTOR HAND		KIRK BJORNSON	8.00		KB
FLOOR HAND		BRUCE DEJONG	8.00		BD
FLOOR HAND		Mark Suchey	8.00		MS
LEASE HAND		AARON TAMBOR	8.00		AT

DRILLING ASSEMBLY LENGTH BIT NO. D.D. BIT RECORD

SIZE IADC CODE MANUFACTURER TYPE SERIAL NO. JETS DEPTH OUT DEPTH IN TOTAL M DRILLED TOTAL HRS RUN

CUTTING STRUCTURE TI To MAJOR DULL LOCATION BRG

GAGE OTHER DULL REASON PULLED TOTAL RUN MHR

DRILL PIPE STANDS DRILL PIPE SINGLES

KELLY DOWN TOTAL WT. OF D.C. WT. OF STRING

DAY TOUR MUD RECORD METRES DRILLED

FROM TO DRC RPM WOB

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

SAFETY MTG. / W/CREW / TONG HAND / LAY DOWN HAND

RUN CASE WHILLS CASING SERVICES

BREAK CIRC. @ 1800.M / CONT. RUN CASG. TO BITTM.

COND MUD & CIRC. CASG. TO BITTM. / WORK STRING

RIG IN HANGER

RAN: 191 JOINTS: 177.8 MM, 38.7 KG/M, L-80, LT&C NEW ALGOMA CASING. LANDED @ 2583.6 M. FLOAT COLLAR @ 2554.8 MD. INTERMEDIATE CASING LANDED W/ 75000 DAN TENSION IN SLIPS.

NOTES: CHECK BRAKE LINKAGE / DEADLINE ANCHOR

DRILLER SIGNATURE JOHN BURNS

HRS RUN 12.00 BOILER 11.0 STACK TEMP 325

MAXIMUM EXPERIENCED HOOK LOAD SAFETY TOPIC MACP

CREW SAFETY DAYS 201

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		JOHN BURNS	12.00		JB
DERRICK HAND		ALBERT BROWN	12.00		AB
MOTOR HAND		DAVE GREEN	12.00		DG
FLOOR HAND		DARCY PUKAS	12.00		DP
FLOOR HAND		RICK SONFNERE	12.00		RS
LEASE HAND		DAVID NORN	12.00		DN

DRILLING ASSEMBLY LENGTH BIT NO. D.D. BIT RECORD

SIZE IADC CODE MANUFACTURER TYPE SERIAL NO. JETS DEPTH OUT DEPTH IN TOTAL M DRILLED TOTAL HRS RUN

CUTTING STRUCTURE TI To MAJOR DULL LOCATION BRG

GAGE OTHER DULL REASON PULLED TOTAL RUN MHR

DRILL PIPE STANDS DRILL PIPE SINGLES

KELLY DOWN TOTAL WT. OF D.C. WT. OF STRING

EVENING TOUR MUD RECORD METRES DRILLED

FROM TO DRC RPM WOB

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

RIG OUT TONG HAND U/D MACHINE RIG FLOOR F/ CIRC. CASING.

COND MUD & CIRC. CASING PRIOR TO CEMENT JOB.

SAFETY MTG. W/ CREW CEMENTERS PRIOR TO HEADING UP.

RIG SERVICE. FT. HYDRILL 10 SEC. CLOSE.

HEAD UP PRESS. TEST CEMENT LINES CEMENT CASING.

CEMENT WITH: SPACER/PREFLUSH: 6.0 M3 HT40-NT, 6.0 M3 NOWFLUSH, + 3.0 M3 SCAVENGER. LEAD: 28.0 TONNE 1:1:2 "O" + .5% CD-32 + .05% R-3 @ 1882 KG/M3 / TAIL: 7.3 TONNE: THERMAL 40F + 5% CD-32 + .4% FL-77 + .15% R-3 @ 1876 KG/M3.

NOTES: D.W.A.R.G.

DRILLER SIGNATURE ROSS GUYNUP

HRS RUN 4.00 BOILER 10.5 STACK TEMP 345

MAXIMUM EXPERIENCED HOOK LOAD SAFETY TOPIC MACP

CREW SAFETY DAYS 201

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ROSS GUYNUP	4.00		RG
DERRICK HAND		KEVIN FINNING	4.00		KF
MOTOR HAND		KIRK BJORNSON	4.00		KB
FLOOR HAND		Mark Suchey	4.00		MS
FLOOR HAND		BRUCE DEJONG	4.00		BD
LEASE HAND		AARON TAMBOR	4.00		AT

PASON RIG PRINT OUT

DRILLING CREW PAYROLL DATA			
WELL NAME & NO.	YEAR	MONTH	DAY
Anadarko Arrowhead I-75	2003	2	14
OPERATOR	CONTRACTOR		
ANADARKO CANADA ENERGY	SHEHTAH-WILSON PARTNERSHIP		
RIG MATRINGER	RIG NO.		
Greg Pukas	5		
PROVIDOR	RIG SAFETY DAYS		
N.W.T.	2003		
CAMP	☒ YES	☐ NO	

[illegible][illegible][illegible]

PASON RIG PRINTOUT

WELL NAME & NO. Anadarko Arrowhead I-75		YEAR 2003	MONTH 2	DAY 13
OPERATOR ANADARKO CANADA ENERGY		CONTRACTOR SHEHTAH-WILSON PARTNERSHIP		
REG. MANAGER Greg Pukas		REG. NO. 5		
PROVINCE N.W.T.		CAMP ☒ YES ☐ NO		REG. SAFETY DATES 199

[illegible][illegible][illegible]

ALL IN ONE

PASON RIG PRINTOUT

DRILLING CREW PAYROLL DATA									
WELL NAME & NO.		YEAR		MONTH		DAY			
Anadarko Arrowhead I-75		2003		2		12			
OPERATOR					CONTRACTOR				
ANADARKO CANADA ENERGY					SHEHTAH-WILSON PARTNERSHIP				
REG MANAGER					REG NO.				
Greg Pukas					5				
PROVINCE					CAMP		REG SAFETY DAYS		
N.W.T.					☒ YES ☐ NO		198		

[illegible][illegible][illegible]

PASON RIG PRINT OUT

WELL NAME & NO.				YEAR	MONTH	DAY
Anadarko Arrowhead I-75				2003	2	10
OPERATOR ANADARKO CANADA ENERGY			CONTRACTOR SHEHTAH-WILSON PARTNERSHIP			
RIG NAME Greg Pukas			RIG NO. 5			
PROVINCE N.W.T.			CAMP ☒ YES ☐ NO		RIG SAFETY DAYS .196	

[illegible][illegible][illegible]

LICENCE NO. 1981
 WELL NAME AND NO. Anadarko Arrowhead I-75
 OPERATOR ANADARKO CANADA ENERGY
 CONTRACTOR SHEHTAH-WILSON PARTNERSHIP
 SURFACE LOCATION 60:34:42.30 N 122:58:32.60 W
 SIGNATURE OF OPERATOR'S REPRESENTATIVE K.Genest / B.Goodrich
 SIGNATURE OF CONTRACTOR'S RIG MANAGER Greg Pukas
 DAILY CHECKS
 (1.) Daily Walk Around Inspection
 (2.) Detailed Inspection - Weekly (Using Check List)
 (3.) VES Signs Posted If Required
 (4.) Well Licenses & Stick Diagram Posted
 (5.) Flow Lines Stated
 (6.) BOP Data Performed
 (7.) Visually Inspect BOP - Flow Lines & Degasser Lines
 (1.) Rig Site Health & Safety Meeting (once/month)
 (2.) CADCOC Rig Safety Inspection Checklist (once/month)
 (3.) Well Inspections Before Raising or Lowering
 (4.) Crew Safety Checks
 (5.) Motor Risk Checks
 YEAR 2003 MONTH 2 DAY 9
 RIG NO. 5
 FUEL @ 08:00 HRS
 LAST CASING TUBING OR LINER
 O.D. (mm) 244.5 MIN I.D. 224.4 KG / M 59.53 MAKE ALGOMA GRADE L-80 NO. JOINTS 48 TOTAL LENGTH 655.30 RKB TO CSG HD 854.70 SET AT (m)
 TEMPERATURE 213
 CURRENT CONDITIONS SNOW
 WIND DIRECTION N.W.
 ROAD CROWTH ICE
 DC / DP SIZE 114 MASS 24.70 GRADE SS-45 MON I.D. 156 T.J. 251 TYPE 4.5" XJ NO. JNTS 251 PUMP TYPE PT-1100 PUMP MANUFACTURER OILWELL STROKE LENGTH 254
 WIND DIRECTION N.W.
 ROAD CROWTH ICE
 DC / DP SIZE 114 MASS 24.70 GRADE SS-45 MON I.D. 156 T.J. 251 TYPE 4.5" XJ NO. JNTS 251 PUMP TYPE PT-1100 PUMP MANUFACTURER OILWELL STROKE LENGTH 254

ALL IN ONE

PASON RIG PRINTOUT

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	SHALE SHAKERS			RENTALS			MORN			DAY			EVE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
TIME / HRS	RISE & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CMC	TRIPS	RD SERVICE	REPAIR RD	CUT DRILLING LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	HUFFLE UP S.O.P.	TEST S.O.P.	DRILL STEM	PLUG BACK	SOURCE CEMENT	FISHING	DR. WORK	SAFETY MEETING							TOTAL	NO. 2	TYPE BRAND	TYPE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</

ALL IN ONE

PASON RIG PRINTOUT

WELL NAME & NO.				YEAR	MONTH	DAY
Anadarko Arrowhead I-75				2003	2	8
OPERATOR		CONTRACTOR				
ANADARKO CANADA ENERGY		SHEHTAH-WILSON PARTNERSHIP				
RIG MANAGER				RIG NO.		
Greg Pukas				5		
PROVINCE		CAMP		RIG SAFETY DAYS		
N.W.T.		☒ YES	☐ NO	194		

[illegible][illegible][illegible]

ALL IN ONE

PASON RIG PRINTOUT

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.	YEAR	MONTH	DAY	
Anadarko Arrowhead I-75	2003	2	6	
OPERATOR ANADARKO CANADA ENERGY	CONTRACTOR SHEHTAH-WILSON PARTNERSHIP			
RIG MANAGER Greg Pukas	AIG NO. 5		RIG SAFETY DAYS 192	
PROVINCE N.W.T.	CAMP	☒ YES	☐ NO	

[illegible][illegible][illegible]

PASON RIG PRINTOUT

WELL NAME & NO.					YEAR			MONTH		DAY	
ANADARKO Arrowhead t-75					2003			2		3	
OPERATOR					CONTRACTOR						
ANADARKO CANADA ENERGY					SHEHTAH-WILSON PARTNERSHIP						
REG MANAGER										REG NO.	
Greg Pukas										5	
PROVINCE					CAMP			REG SAFETY DAYS			
N.W.T.					X			4-0-0			

[illegible][illegible][illegible]

PASON RIG PRINTOUT

WELL NAME & NO. Anadarko Arrowhead I-75		YEAR 2003	MONTH 2	DAY 1
OPERATOR ANADARKO CANADA ENERGY		CONTRACTOR SHEHTAH-WILSON PARTNERSHIP		
RIG MANAGER Greg Pukas		RIG NO. 5		
PROVINCE N.W.T.		CAMP ☒ YES ☐ NO		RIG SAFETY DAYS 187

[illegible][illegible][illegible]

LICENCE NO. 1981 WELL NAME AND NO. Anadarko Arrowhead I-75

OPERATOR ANADARKO CANADA ENERGY CONTRACTOR SHEHTAH-WILSON PARTNERSHIP

SURFACE LOCATION 60:34:42.30 N 122:58:32.60 W SIGNATURE OF OPERATOR'S REPRESENTATIVE K.Genest / B.Goodrich

SIGNATURE OF CONTRACTOR'S RIG MANAGER Greg Pukas

DAILY CHECKS

YEAR 2003 MONTH 1 DAY 30

RIG NO. 5 FUEL @ 08:00 HRS

LAST CASING TUBING OR LINER

DC / OP SIZE 114 MASS 24.70 GRADE SS-45 MIN I.D. 73 T.J. 158 TYPE 4.5" X/ 251 NO. JNTS 21 PUMP TYPE PT-1100 PUMP MANUFACTURER OILWELL STROKE LENGTH 254

DC / OP SIZE 114 MASS 28.00 GRADE SS-45 MIN I.D. 73 T.J. 158 TYPE 4.5" X/ 125 NO. JNTS 21 PUMP TYPE PT-1100 PUMP MANUFACTURER OILWELL STROKE LENGTH 254

DC / OP SIZE 114 MASS 82.40 GRADE HWDP MIN I.D. 73 T.J. 158 TYPE 4.5" X/ 21 NO. JNTS 21 PUMP TYPE PT-1100 PUMP MANUFACTURER OILWELL STROKE LENGTH 254

CODE NO. 1

DRILLING ASSEMBLY

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

CONTINUE PUMP OUT SINGLES F/427m - 238m

RIG SERVICE

PUMP OUT SINGLES F/238m - 180m

TRIP OUT BHA, LAY DOWN SQUARE MOTOR, MAKE UP NEW BHA

DRILLER SIGNATURE David Ruschelski

HRS RUN 8.00

BOILER 10.0

STACK TEMP 350

MAXIMUM EXPERIENCED HOOK LOAD 50

SAFETY TOPIC PUMP OUT SINGLES

MACP

DRILLING ASSEMBLY

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

M/U BIT REAMER RLH P/U PIPE F/ RACKS.

REAM WASH F/ 813M - 830M. 6M. FILL

DRILL 311MM. HOLE F/ 630M. - 655M. T.D

RIG SERVICE CHECK BRAKE ASSEMBLY. 11

COND MUD & CIRC HOLE CLEAN WORK PIPE.

DEV. SURVEY

FLOW CHECK @ 655M. P.O.O.H TO H.W. D.P FLOW CHECK.

P/U 24 JOINTS DRILL PIPE RLH TO 655M.

COND MUD & CIRC @ 655M. PRIOR TO CASING

NOTE STRAP PIPE RLH TALLY 379.54M.

STRAP 379.64M.

DIFF. 0.11 1/2"

NOTES : D.W & R.G CHECK SLIP TONG OIES BRAKE ASSEMBLY PRIOR TO TRIP.

DRILLER SIGNATURE ROSS GUYNUP

HRS RUN 12.00

BOILER 10.5

STACK TEMP 350

MAXIMUM EXPERIENCED HOOK LOAD 67

SAFETY TOPIC SAFETY GLASSES

MACP

DRILLING ASSEMBLY

BIT RECORD

EVENING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

CONTINUE CIRC HOLE CLEAN

TRIP OUT TO RUM CASING

RIG SERVICE

SAFETY MTG. PRE RIG UP W/ POWER TONGS & LAY DOWN MACHINE

LAY DOWN 9" COLLARS

DRILLER SIGNATURE David Ruschelski

HRS RUN 4.00

BOILER 10.0

STACK TEMP 350

MAXIMUM EXPERIENCED HOOK LOAD 42

SAFETY TOPIC LAY DOWN MACHINE

MACP

ALL IN ONE

PASON RIG PRINTOUT

DRILLING CREW PAYROLL DATA

WELL NAME & NO. Anadarko Arrowhead I-75

YEAR 2003 MONTH 1 DAY 30

OPERATOR ANADARKO CANADA ENERGY CONTRACTOR SHEHTAH-WILSON PARTNERSHIP

RIG MANAGER Greg Pukas RIG NO. 5

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 185

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		David Ruschelski	8.00		DR
DERRICK HAND		BRUCE DEJONG	8.00		BD
MOTOR HAND		DAVE GREEN	8.00		DG
FLOOR HAND		Mark Suchey	8.00		MS
FLOOR HAND		KIRK BJORNSON	8.00		KB

RATE SCHEDULE	X	REGULAR	REPAIR	INVERT
CREW SAFETY DAYS				
185				

DAY TOUR	FROM	TO	INJURIES
CREW	800	2000	
DRILLER		ROSS GUYNUP	12.00
DERRICK HAND		KEVIN FINNING	12.00
MOTOR HAND		DARCY PUKAS	12.00
FLOOR HAND		ALBERT BROWN	12.00
FLOOR HAND		SHELDON MICHEL	12.00
LEASE HAND		John Burns	12.00

RATE SCHEDULE	X	REGULAR	REPAIR	INVERT
CREW SAFETY DAYS				
185				

EVENING TOUR	FROM	TO	INJURIES
CREW	2000	2400	
DRILLER		David Ruschelski	4.00
DERRICK HAND		BRUCE DEJONG	4.00
MOTOR HAND		DAVE GREEN	4.00
FLOOR HAND		Mark Suchey	4.00
MOTOR HAND		KIRK BJORNSON	4.00

RATE SCHEDULE	X	REGULAR	REPAIR	INVERT
CREW SAFETY DAYS				
185				

ALL IN ONE

PASON RIG PRINTOUT

DRILLING CREW PAYROLL DATA				
WELL NAME & NO. Anadarko Arrowhead I-75		YEAR 2003	MONTH 1	DAY 28
EMPLOYER ANADARKO CANADA ENERGY		CONTRACTOR SHEHTAH-WILSON PARTNERSHIP		
REG. MATERIALS Greg Pukas		REG. NO. 5		
PROVINCE N.W.T.		CAMP ☒ YES ☐ NO	REG. SAFETY DAYS 183	

[illegible][illegible][illegible]

ALL IN ONE

PASON RIG PRINTOUT

WELL NAME & NO.				YEAR	MONTH	DAY
Anadarko Arrowhead I-75				2003	1	27
GEORATOR			CONTRACTOR			
ANADARKO CANADA ENERGY			SHEHTAH-WILSON PARTNERSHIP			
RIG MANAGER			RIG NO.			
Greg Pukas			5			
PROVINCE			CAMP		RIG SAFETY DAYS	
N.W.T.			☒ YES ☐ NO		182	

[illegible][illegible][illegible]

PASON RIG PRINTOUT

WELL NAME & NO. ANADARKO Arrowhead I-75		YEAR 2003	MONTH 1	DAY 26
OPERATOR ANADARKO CANADA ENERGY		CONTRACTOR SHEHTAH-WILSON PARTNERSHIP		
RIG MANAGER Greg Pukas		RIG NO. 5		
PROVINCE N.W.T.		CAMP ☒ YES ☐ NO		RIG SAFETY DAYS 181

[illegible][illegible][illegible]

PASON RIG PRINTOUT

WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO Arrowhead I-75		2003	1	25
OPERATOR		CONTRACTOR		
ANADARKO CANADA ENERGY		SHEHTAH-WILSON PARTNERSHIP		
RIG MANAGER		RIG NO.		
Greg Pukas		5		
PROVINCE		CAMP	RIG SAFETY DAYS	
N.W.T.		X YES ☐ NO	180	

RATE SCHEDULE	X	REGULAR	REPAIR	WVERT
		CREW SAFETY DAYS		
		180		

RATE SCHEDULE	X	REGULAR	REPAIR	WVERT
		CREW SAFETY DAYS		
		180		

RATE SCHEDULE	X	REGULAR	REPAIR	RIVERT
		CREW SAFETY DAYS		
		180		

LICENCE NO. 1981
 WELL NAME AND NO. Anadarko Arrowhead I-75
 OPERATOR ANADARKO CANADA ENERGY
 CONTRACTOR SHEHTAH-WILSON PARTNERSHIP
 SURFACE LOCATION 60:34:42.30 N 122:58:32.60 W
 SIGNATURE OF OPERATOR'S REPRESENTATIVE Kerry Genest
 SIGNATURE OF CONTRACTOR'S RIG MANAGER Greg Pukas
 DAILY CHECKS
 (1.) Daily Walk Around Inspection
 (2.) Detailed Inspection - Weekly (Using Check List)
 (3.) HSE Signs Posted & Required
 (4.) Well License & Stick Diagram Posted
 (5.) Flow Lines Staked
 (6.) BOP Status Performed
 (7.) Visually Inspect BOP - Flow Lines & Degasser Lines
 (8.) Rig Site Health & Safety Meeting (one/one/month)
 (9.) CADC Rig Safety Inspection Checklist (one/one/month)
 (10.) Mast Inspection before Raising or Lowering
 (11.) Crown Saver Checked
 (12.) Motor K&B Checked
 YEAR 2003 MONTH 1 DAY 24
 RIG NO. 5
 FUEL @ 08:00 HRS
 LAST CASING TUBING OR LINER
 O.D. (mm) MIN I.D. KG/M MAKE GRADE NO. JOINTS TOTAL LENGTH RKB TO CSG HD SET AT (m)
 TEMPERATURE 23
 CURRENT CONDITIONS CLEAR
 WIND DIRECTION S.E.
 ROAD CONDITION ICE
 DC / DP SIZE 114 MASS 34.70 GRADE SS-95 MIN I.D. 73 T.J. 150 TYPE 4.5" X 251 NO. JNTS 251 PUMP TYPE PT-1100 PUMP MANUFACTURER OILWELL STROKE LENGTH 254
 114 20.00 SS-95 73 150 4.5" X 125 PT-1100 OILWELL 254
 114 82.40 HWDP 73 150 4.5" X 21
 TOTAL 24.00
 SHALE SHAKERS
 NO. 1 TYPE BRAND TYPE
 SCREENS CHANGED X 2 2
 TOP 120 TOP 120
 WORK 120 WORK 120
 BOTTOM 120 BOTTOM 120
 RENTALS
 MONTH DAY YEAR
 WELLS NAME & NO. Anadarko Arrowhead I-75 YEAR 2003 MONTH 1 DAY 24
 OPERATOR ANADARKO CANADA ENERGY CONTRACTOR SHEHTAH-WILSON PARTNERSHIP
 RIG MANAGER Greg Pukas RIG NO. 5
 PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 179

ALL IN ONE

PASON RIG PRINTOUT

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	SHALE SHAKERS			RENTALS			DATE		
TIME / HRS	REG# & YEAR DOWN	DRILL ACTUAL	HEAVING	COARING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT DRILLING LINE	DEV. SURVEY	WIRELINE LOGS	RUN CIG & CEMENT	WAIT ON CEMENT	HEAVE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DR. WORK	SAFETY MEETING	TOTAL				NO. 1 TYPE BRANI			TYPE						
	MORN	7.50					0.25														0.25	8.00				SCREENS CHANGED			X	Z	R				
	DAY	11.50					0.25														0.25	12.00				TOP			120	TOP		120			
	EVE	2.75				0.25		0.25							0.50						0.25	4.00				WHEEL			120	WHEEL		120			
	TOTAL	21.75				0.25		0.75							0.50						0.75	24.00				BOTTOM			120	BOTTOM		120			

DRILLING CREW PAYROLL DATA

WELL NAME & NO. Anadarko Arrowhead I-75 YEAR 2003 MONTH 1 DAY 24
 OPERATOR ANADARKO CANADA ENERGY CONTRACTOR SHEHTAH-WILSON PARTNERSHIP
 RIG MANAGER Greg Pukas RIG NO. 5
 PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 179

DRILLING ASSEMBLY			LENGTH	BIT RECORD				MORNING TOUR		MUD RECORD		METRES DRILLED				TIME LOG																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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