

DATE *Dec 28*

19*33*

NABORS DRILLING LIMITED

NOTE: Do Not

Rig No. *9* Page No.

LOCATION *Col Co Konaalee H-4-38*

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal	Singles			
											Bbls.				
B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
															Other Ft
															C.B. Ft.
															Subs. Ft.
MUD				12 a.m.	2 a.m.	4 a.m.	6 a.m.	Additives		At Surveys Degree	MOTOR HOURS		Oil Added		
WEIGHT											1				
VISCOSITY											2				
GEL											3				
P U M S	No. 1	Pressure													
	Model	S.P.M. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>													
P U M S	No. 2	Pressure													
	Model	S.P.M. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>													
				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip		
				Casing Record	Surface Prod.										
W.L.	F.C.	pH.	Solids	Cement											

C.P. Satter watching

With Pipe C.A. SATER TO EDMON

With Pipe

With Pipe

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rock _____ Total Cont _____

B.O.P. Test-Operated _____ Time _____ Results _____ Total Com _____

DATE *Dec 25*
 Rig No *9* Page No. *254*

77
254

NABORS DRILLING LIMITED

LOCATION *Col 905 KOTANEELLY J-1-A-30*

NOTE: Do Not

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands					
					No.	O.D.	I.D.	Wgt.									
										Gals.	Bbls.	Gal	Singles				
										COND.		Bbls.	D. Collars				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft Reamed	Hrs.	COND.	Other Ft.		
I															C.B. Ft.		
T															Subs. Ft.		
S															Ft. Down On Kelly		
MUD					12 a.m.	2 a.m.	4 a.m.	6 a.m.	Additives		At Surveys Degree	MOTOR HOURS		Oil Added	TOTAL		
WEIGHT										1							
VISCOSITY										2							
GEL										3							
										Light Plant		<i>24</i>					
										BOILER HRS.							
P	No. 1	Pressure											Slip	Feet or	Cut	Feet Left on Spool	Next Slip
U	Model	S.P.M.	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES										
M	No. 2	Pressure															
P	Model	S.P.M.	Casing Record	Surface Prod.													
S	Liner Size																
W.L.			F.C.	pH.	Solids	Cement											

Dec 25/27
Watching

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands					
					No.	O.D.	I.D.	Wgt.									
										Gals.	Bbls.	Gal	Singles				
										COND.		Bbls.	D. Collars				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft Reamed	Hrs.	COND.	Other Ft.		
I															C.B. Ft.		
T															Subs. Ft.		
S															Ft. Down On Kelly		
MUD					8 a.m.	10 a.m.	12 p.m.	2 p.m.	Additives		At Surveys Degree	MOTOR HOURS		Oil Added	TOTAL		
WEIGHT										1							
VISCOSITY										2							
GEL										3							
										Light Plant		<i>24</i>					
										BOILER HRS.							
P	No. 1	Pressure											Slip	Feet or	Cut	Feet Left on Spool	Next Slip
U	Model	S.P.M.	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES										
M	No. 2	Pressure															
P	Model	S.P.M.	Casing Record	Surface Prod.													
S	Liner Size																
W.L.			F.C.	pH.	Solids	Cement											

Dec 26/27
Watching

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands					
					No.	O.D.	I.D.	Wgt.									
										Gals.	Bbls.	Gal	Singles				
										COND.		Bbls.	D. Collars				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft Reamed	Hrs.	COND.	Other Ft.		
I															C.B. Ft.		
T															Subs. Ft.		
S															Ft. Down On Kelly		
MUD					4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives		At Surveys Degree	MOTOR HOURS		Oil Added	TOTAL		
WEIGHT										1							
VISCOSITY										2							
GEL										3							
										Light Plant		<i>24</i>					
										BOILER HRS.							
P	No. 1	Pressure											Slip	Feet or	Cut	Feet Left on Spool	Next Slip
U	Model	S.P.M.	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES										
M	No. 2	Pressure															
P	Model	S.P.M.	Water Truck Hours	Desalter Hours													
S	Liner Size	Disorder Hours															
W.L.			F.C.	pH.	Solids												

Dec 27
Watching

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rock Total Con
 B.O.P. Test-Operated Time Results Total Con

DATE **DEC. 22** 19 **57**

NABORS DRILLING LIMITED

Rig No. _____ Page No. **251**

LOCATION **COL 90'S FOTANEELEE #1-H38**

NOTE: Do N

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands																																																																																																																																																																		
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Gal																																																																																																																																																															
<table border="1"> <tr> <td rowspan="3">B I T S</td> <td>No.</td> <td>Size</td> <td>Type</td> <td>Size Jets</td> <td>Serial No.</td> <td>Wt.</td> <td>R.P.M.</td> <td>From</td> <td>To</td> <td>Ftg.</td> <td>Hrs.</td> <td>Ft. Reamed</td> <td>Hrs.</td> <td>COND.</td> <td>D. Collars</td> </tr> <tr> <td colspan="14">Other Ft.</td> </tr> <tr> <td colspan="14">C.B. Ft.</td> </tr> <tr> <td colspan="12">MUD 12 a.m. 2 a.m. 4 a.m. 6 a.m. Additives _____ At Surveys Degree _____ MOTOR HOURS _____ Oil Added _____</td> <td>Subs. Ft.</td> </tr> <tr> <td colspan="12">WEIGHT _____</td> <td>1</td> </tr> <tr> <td colspan="12">VISCOSITY _____</td> <td>2</td> </tr> <tr> <td colspan="12">GEL _____</td> <td>3</td> </tr> <tr> <td rowspan="2">P U M P S</td> <td>No. 1</td> <td>Pressure</td> <td colspan="10"></td> <td>Light Plant</td> <td>24</td> </tr> <tr> <td>Model</td> <td>S.P.M.</td> <td colspan="10"></td> <td>BOILER HRS.</td> <td></td> </tr> <tr> <td rowspan="2">P U M P S</td> <td>No. 2</td> <td>Pressure</td> <td>Size</td> <td>TRIPS</td> <td>No. Lines</td> <td>TON MILES</td> <td>TOTAL MILES</td> <td>Slip</td> <td>Feet of</td> <td>Cut</td> <td>Feet Left on Spool</td> <td>Next Slip</td> </tr> <tr> <td>Model</td> <td>S.P.M.</td> <td>Casing Record</td> <td colspan="9">Surface Prod.</td> </tr> <tr> <td>W.L.</td> <td>F.C.</td> <td>pH.</td> <td>Solids</td> <td colspan="8">Cement</td> <td>With Pipe</td> </tr> </table>												B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars	Other Ft.														C.B. Ft.														MUD 12 a.m. 2 a.m. 4 a.m. 6 a.m. Additives _____ At Surveys Degree _____ MOTOR HOURS _____ Oil Added _____												Subs. Ft.	WEIGHT _____												1	VISCOSITY _____												2	GEL _____												3	P U M P S	No. 1	Pressure											Light Plant	24	Model	S.P.M.											BOILER HRS.		P U M P S	No. 2	Pressure	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet of	Cut	Feet Left on Spool	Next Slip	Model	S.P.M.	Casing Record	Surface Prod.									W.L.	F.C.	pH.	Solids	Cement								With Pipe
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Dec 22/57
Watching

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands																																																																																																																																																																		
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Dec 23/57
Watching

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands																																																																																																																																																																		
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Dec 2
Watching

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ Total Cont
 B.O.P. Test-Operated _____ Time _____ Results _____ Total Comp

WORK RECORD

DATE _____ 19__

NOTE: Do Not Record Payroll Information Here

64-1138

	REMARKS	Time		
		Start	Stop	Interval
Stands	<i>Dec 22/77 Watching camp & Rig.</i>			
Singles				
D. Collars				
Other Ft.				
C.B. Ft.				
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				
Next Slip				

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller	
Derrick <i>C.R. Satter</i>	<i>12</i>
Motor <i>N Ryan</i>	<i>12</i>
Floor	
Floor	
	<i>10.</i>
Accidents	
Outside Temp.	
Weather Conditions	
Road Conditions	

	With Pipe	Without Pipe	Standby
Stands	<i>Dec 23/77 Watching camp & Rig</i>		
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller	
Derrick <i>C.R. Satter</i>	<i>12</i>
Motor <i>N Ryan</i>	<i>12</i>
Floor	
Floor	
	<i>10</i>
Accidents	
Outside Temp.	
Weather Conditions	
Road Conditions	

	With Pipe	Without Pipe	Standby
Stands	<i>Dec 24/77 Watching camp & Rig</i>		
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller	
Derrick <i>C.R. Satter</i>	<i>12</i>
Motor <i>N Ryan</i>	<i>12</i>
Floor	
Floor	
	<i>10</i>
Accidents	
Outside Temp.	
Weather Conditions	
Road Conditions	

Pipe Rack Total Contractor Time Hrs. Toolpusher *Dec 24/77* Toolpusher
 Total Company Time Hrs. Approved by Approved by

DATE

DEC 19

19

NABORS DRILLING LIMITED

NOTE: Do No

Rig No. 9

Page No. 248

LOCATION COL GAS KOTANEELEE YT-H-38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands																																																																																																																																				
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MOVE CA

With Pipe

MOVE CAM
ON NEW L

With Pipe

With Pipe

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Con

B.O.P. Test-Operated Time Results Total Con

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE **DEC 19** 1977

Rig No. **9** Report No. **243**

H-38

REMARKS	Time		
	Start	Stop	Interval
Stands MOVE CAMP	800		
Singles		1000	
D. Collars			14
Other Ft.			
C B Ft.			
Subs Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller R PAWLICK	14
Derrick C SALTER	14
Motor N RYAN	14
Floor	
Floor	

Accidents **NIL**
 Outside Temp. **-13°**
 Weather Conditions **CLEAR**
 Road Conditions **GOOD**

REMARKS	Time		
	Start	Stop	Interval
Stands MOVE CAMP + SET UP ON NEW LOCATION	800		
Singles		1000	
D. Collars			14
Other Ft.			
C B Ft.			
Subs Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller R. DREWNIAK	14
Derrick CHEESEMAN	14
Motor L. CHEESEMAN	14
Floor D. ARMINSTALL	14
Floor	

Accidents **NIL**
 Outside Temp. **-13**
 Weather Conditions **CLEAR**
 Road Conditions **GOOD**

REMARKS	Time		
	Start	Stop	Interval
Stands			
Singles			
D. Collars			
Other Ft.			
C B Ft.			
Subs Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller	
Derrick	
Motor	
Floor	
Floor	

Accidents
 Outside Temp.
 Weather Conditions
 Road Conditions

Total Contractor Time _____ Hrs. Toolpusher **Lyle Mark**
 Total Company Time _____ Hrs. Approved by **[Signature]**

DATE

DEC 18

19 7

NABORS DRILLING LIMITED

NOTE: Do Not

Rig No

Page No

247

LOCATION

COL GAS KOTANEETEE YT-H-38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER		CRUDE	Stands		
					No.	O.D.	I.D.	Wgt.		Gals.	Bbls.				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft Reamed	Hrs.	COND.	D. Collars
I															Other Ft.
S															C.B. Ft.
MUD					12 a.m.	2 a.m.	4 a.m.	6 a.m.	Additives		At Surveys Degree		MOTOR HOURS		Oil Added
WEIGHT											1				Subs. Ft.
VISCOSITY											2				
GEL											3				Ft. Down on Kelly
P	No. 1	Pressure									Light Plant	24			TOTAL
U	Model	S.P.M.									BOILER HRS				
M	No. 2	Pressure			Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip	
P	Model	S.P.M.			Casing Record	Surface Prod.									
S	Liner Size														
W.L.					F.C.	pH.	Solids	Cement							

TEAR OUT
 PULL DRG L
 CLEAN UP AR
 DIG CAMP FUE
 OUT OF S
 WORK ON CA
 TAKE TURN B
 DRAWWORKS

With Pipe
 PULL DRAG
 CLEAN SNOW
 CAMP
 GET POWER C
 OUT OF SNOW

With Pipe

With Pipe

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Contra
 B.O.P. Test-Operated Time Results Total Compar

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE DEC 18 1977

Rig No. 9 Report No. 247

38

	REMARKS	Time		
		Start	Stop	Interval
Stands	TEAR OUT FLARE LINES	800		
Singles	PULL DRG LINE OFF DRUM		800	
D. Collars	CLEAN UP AROUND CAMP			
Other Ft.	DIG CAMP FUEL LINES AND CORDS			12
C.B. Ft.	OUT OF SNOW			
Subs. Ft.	WORK ON CAMP CORD			
Ft. Down on Kelly	TAKE TURN BUCKLES OFF			
TOTAL	DRAWWORKS			
Next Slip				

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>R PAWLICK</u>	<u>12</u>
Derrick <u>C SALTER</u>	<u>12</u>
Motor <u>N RYAN</u>	<u>12</u>
Floor	
Floor	

Accidents NIL
 Outside Temp. -10°
 Weather Conditions CLEAR
 Road Conditions GOOD

	With Pipe	Without Pipe	Standby
Stands	<u>PULL DRG LINE OFF DRUM 800</u>		
Singles	<u>CLEAN SNOW FROM AROUND</u>		
D. Collars	<u>CAMP</u>		
Other Ft.	<u>GET POWER CORDS + FUEL LINE</u>		
C.B. Ft.	<u>OUT OF SNOW</u>		
Subs. Ft.			<u>800</u>
Ft. Down on Kelly			<u>12</u>
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>R. DREWNIAK</u>	<u>12</u>
Derrick <u>W. CAREFOOT</u>	<u>12</u>
Motor <u>L. CHEESMAN</u>	<u>12</u>
Floor <u>D. ARMINSTALL</u>	<u>12</u>
Floor	

Accidents NIL
 Outside Temp. -10
 Weather Conditions CLEAR
 Road Conditions GOOD

	With Pipe	Without Pipe	Standby
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller	
Derrick	
Motor	
Floor	
Floor	

Accidents
 Outside Temp.
 Weather Conditions
 Road Conditions

Toolpusher [Signature] Approved by [Signature]

DATE DEC 17 1977

NABORS DRILLING LIMITED

NOTE: Do N

Rig No. 9 Page No. 246

LOCATION COL GAS KOTAWEELEE Y7-H-38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands
					No.	O.D.	I.D.	Wgt.				
MUD 12 a.m. 2 a.m. 4 a.m. 6 a.m. Additives At Surveys Degree MOTOR HOURS Oil Added WEIGHT VISCOSITY GEL P U M S No. 1 Pressure Model S.P.M. Light Plant 24 BOILER HRS. 0 No. 2 Pressure Model S.P.M. Slip Feet or Cut Feet Left on Spool Next Slip Casing Record Surface Prod.												CLEAN ICE + WORK ON P LEVEL OUT
W.L. F.C. pH. Solids Cement With Pipe												
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands
					No.	O.D.	I.D.	Wgt.				
MUD 8 a.m. 10 a.m. 12 p.m. 2 p.m. Additives At Surveys Degree MOTOR HOURS Oil Added WEIGHT VISCOSITY GEL P U M S No. 1 Pressure Model S.P.M. Light Plant 24 BOILER HRS. 0 No. 2 Pressure Model S.P.M. Slip Feet or Cut Feet Left on Spool Next Slip Casing Record Surface Prod.												WORK ON P GRAVEL ME CLEAN SNO
W.L. F.C. pH. Solids Cement With Pipe												
From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands
					No.	O.D.	I.D.	Wgt.				
MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives At Surveys Degree MOTOR HOURS Oil Added WEIGHT VISCOSITY GEL P U M S No. 1 Pressure Model S.P.M. Light Plant BOILER HRS. No. 2 Pressure Model S.P.M. Water Truck Hours Desilter Hours Desander Hours												With Pipe
W.L. F.C. pH. Solids Desander Hours With Pipe												

Totco Ring on Bit No.D.P. Calipered DateResultsFrom Pipe RackTotal Cont
 B.O.P. Test-OperatedTimeResultsTotal Comp

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE DEC 17 1977
 Page 9 Report No. 246

-H-38

REMARKS	Time		
	Start	Stop	Interval
Stands	CLEAN ICE + SNOW OFF CAMP ROOF	800	
Singles	WORK ON PILEINGS	800	
D. Collars	LEVEL OUT GRAVEL ON NEW LEASE		12
Other Ft.			
C. B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			
	With Pipe	Without Pipe	Standby
Stands	WORK ON PILEINGS	800	
Singles	GRAVEL NEW LEASE		
D. Collars	CLEAN SNOW OFF CAMP ROOF	800	
Other Ft.			12
C. B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			
	With Pipe	Without Pipe	Standby

Tour — Midnight - 8 a.m.	
Specify actual hours worked. Hrs.	
Driller	R PAWLICK 12
Derrick	C SALTER 12
Motor	N RYAN 12
Floor	
Floor	

Accidents NIL
 Outside Temp. -12°
 Weather Conditions GOOD
 Road Conditions CLEAR

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked. Hrs.	
Driller	R. DREWNIAM 12
Derrick	W. CAREFOOT 12
Motor	L. CHEESEMAN 12
Floor	D. ARKINSTALL 12
Floor	

Accidents NIL
 Outside Temp. -12
 Weather Conditions CLEAR
 Road Conditions GOOD

Tour — 4 p.m. to Midnight	
Specify actual hours worked. Hrs.	
Driller	
Derrick	
Motor	
Floor	
Floor	

Accidents
 Outside Temp.
 Weather Conditions
 Road Conditions

Pipe Rack Total Contractor Time Hrs. Toolpusher Hyle Mark
 Total Company Time Hrs. Approved by [Signature]

Toolpusher Hyle Mark
 Approved by

DATE Dec 16

19 7

NABORS DRILLING LIMITED

NOTE: Do No

Rig No. 9 Page No. 245

LOCATION CO2 GAS HOTANEELEE 1/T-H-38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands																																																																																																																															
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TEAR OUT WORK ON DRAIN BOARD

TEAR OUT DRAIN BOARD SPOOL DRILL WORK ON

With Pipe

With Pipe

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Cont B.O.P. Test-Operated Time Results Total Comp

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE **DEC 16** 19**77**

Rig No **9** Report No **246**

H-38

	REMARKS	Time		
		Start	Stop	Interval
Stands	TEAR OUT DRG SPOOL DRG LINE	800		
Singles	WORK ON PILEINGS		800	
D. Collars	DRAIN BOILER			
Other Ft.				
C.B. Ft.				
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				
Next Slip				

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller R. DRENNIAK	12
Derrick W. CAREFOOT	12
Motor L. CHEESEMAN	12
Floor D. ARKINSTAL	12
Floor	

Accidents **NIL**
 Outside Temp. **-15**
 Weather Conditions **CLEAR**
 Road Conditions **GOOD**

	With Pipe	Without Pipe	Standby
Stands	TEAR OUT		800
Singles	DRAIN BOILER		800
D. Collars	SPOOL DRG LINE		
Other Ft.	WORK ON PILEINGS		
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller R. PAWLICK	12
Derrick C. SALTER	12
Motor N. RYAN	12
Floor	
Floor	

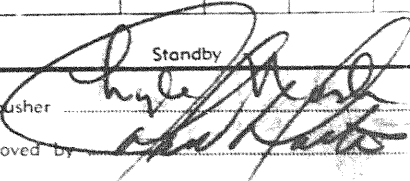
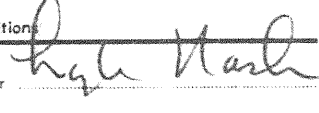
Accidents **NIL**
 Outside Temp. **-15**
 Weather Conditions **CLEAR**
 Road Conditions **GOOD**

	With Pipe	Without Pipe	Standby
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller	
Derrick	
Motor	
Floor	
Floor	

Accidents
 Outside Temp.
 Weather Conditions
 Road Conditions

Pipe Rock Total Contractor Time Hrs. Toolpusher
 Total Company Time Hrs. Approved by



 Toolpusher
 Approved by

DATE *DEC 15*

19*7*

NABORS DRILLING LIMITED

NOTE: Do No

Rig No. *9* Page No. *245*

LOCATION *COL GAS MOTANELEE Y1-H-38*

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands																																																									
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal.																																																										
<table border="1"> <tr> <td rowspan="4">B I T S</td> <td>No.</td> <td>Size</td> <td>Type</td> <td>Size Jets</td> <td>Serial No.</td> <td>Wt.</td> <td>R.P.M.</td> <td>From</td> <td>To</td> <td>Ftg.</td> <td>Hrs.</td> <td>Ft. Reamed</td> <td>Hrs.</td> <td>COND.</td> <td>D. Collars</td> </tr> <tr> <td colspan="14">Other Ft.</td> </tr> <tr> <td colspan="14">C.B. Ft.</td> </tr> <tr> <td colspan="14">Subs. Ft.</td> </tr> </table>												B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars	Other Ft.														C.B. Ft.														Subs. Ft.													
B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.		Ft. Reamed	Hrs.	COND.	D. Collars																																																					
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VISCOSITY												2																																																									
GEL												3																																																									
P U M	No. 1	Pressure											Light Plant	<i>24</i>		TOTAL																																																					
	Model	S.P.M.											BOILER HRS.	<i>24</i>																																																							
P S	No. 2	Pressure	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip																																																									
	Model	S.P.M.	Casing Record	Surface Prod.																																																																	
W.L.			F.C.	pH.	Solids	Cement											With Pipe																																																				

*TEAR OUT
WORK ON
TIE CAT LINE
TO DERRICK
DRAIN #1*

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands																																																									
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal.																																																										
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W.L.			F.C.	pH.	Solids	Cement											With Pipe																																																				

*TEAR OUT
DRAIN NO
WDRK ON*

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands																																																									
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W.L.			F.C.	pH.	Solids	Desander Hours											With Pipe																																																				

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Comp
 B.O.P. Test-Operated Time Results Total Comp

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE DEC 15 1977

H-38

Rig No 9 Report No

	REMARKS	Time		
		Start	Stop	Interval
Stands	TEAR OUT - DRAIN WATER TANK	800		
Singles	WORK ON PIPINGS		800	
D. Collars	TIE CAT LINE + ESCAPE LINE			12
Other Ft.	TO DERRICK			
C.B. Ft.	DRAIN # 1 MOTOR			
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				
Next Slip				

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>R. DRENNIAK</u>	<u>12</u>
Derrick <u>W. CAKEFOOT</u>	<u>12</u>
Motor <u>L. CHEESEMAN</u>	<u>12</u>
Floor <u>D. ARKINSTALL</u>	<u>12</u>
Floor	
Floor	

Accidents NIL
 Outside Temp. -28
 Weather Conditions CLOUDY
 Road Conditions OK

	With Pipe	Without Pipe	Standby
Stands	TEAR OUT		800
Singles	DRAIN NO 1 MOTOR		800
D. Collars	WORK ON PIPINGS		12
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down or Kelly			
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>ROD PAWLICK</u>	<u>12</u>
Derrick	
Motor	
Floor	
Floor	

Accidents NIL
 Outside Temp. -28
 Weather Conditions CLOUDY
 Road Conditions OK

	With Pipe	Without Pipe	Standby
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller	
Derrick	
Motor	
Floor	
Floor	

Accidents
 Outside Temp.
 Weather Conditions
 Road Condition

Pipe Rack Total Contractor Time Hrs. Toolpusher Chyle Mark Toolpusher Chyle Mark
 Total Company Time Hrs. Approved by Chyle Mark Approved by

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE DEC 15 1977

H-38

Rig No 9 Report No

	REMARKS	Time		
		Start	Stop	Interval
Stands	TEAR OUT - DRAIN WATER TANK	800		
Singles	WORK ON PIPINGS		800	
D. Collars	TIE CAT LINE + ESCAPE LINE			12
Other Ft.	TO DERRICK			
C.B. Ft.	DRAIN # 1 MOTOR			
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				
Next Slip				

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>R. DRENNIAK</u>	<u>12</u>
Derrick <u>W. CAKEFOOT</u>	<u>12</u>
Motor <u>L. CHEESEMAN</u>	<u>12</u>
Floor <u>D. ARKINSTALL</u>	<u>12</u>
Floor	
Floor	

Accidents NIL
 Outside Temp. -28
 Weather Conditions CLOUDY
 Road Conditions OK

	With Pipe	Without Pipe	Standby
Stands	TEAR OUT		800
Singles	DRAIN NO 1 MOTOR		800
D. Collars	WORK ON PIPINGS		12
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down or Kelly			
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>ROD PAWLICK</u>	<u>12</u>
Derrick	
Motor	
Floor	
Floor	

Accidents NIL
 Outside Temp. -28
 Weather Conditions CLOUDY
 Road Conditions OK

	With Pipe	Without Pipe	Standby
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller	
Derrick	
Motor	
Floor	
Floor	

Accidents
 Outside Temp.
 Weather Conditions
 Road Condition

Pipe Rack Total Contractor Time Hrs. Toolpusher Chyle Mark
 Total Company Time Hrs. Approved by Chyle Mark

Toolpusher Chyle Mark
 Approved by

DATE **OCT 27**

19 **73**

NABORS DRILLING LIMITED

NOTE: Do No

Rig No. **9** Page No. **218**

LOCATION **COA GAS ETAL M. TANEELEE V# 4-38**

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands																																																																																																																				
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Gal.																																																																																																																	
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WATCHING UP

**RUN 4 1/2 T
LATCH INTO
SEAL ASSEMBLY
+ SEAL OFF S
UP NUMBER 11
HEAD, INSIDE
WORK ON M**

**MAKE UP WE
ON TUBING
UP FLANGES
RIG OUT W
FARR & LAY
RIG UP SEA
PERFORATE**

Totco Ring on Bit No.D.P. Calipered DateResultsFrom Pipe RockTotal Cont
B.O.P. Test-OperatedTimeResultsTotal Com

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE **OCT 28** 1977

444-38

Rig No _____ Report No. **218**

	REMARKS	Time		
		Start	Stop	Interval
Stands	WATCHING RIG + CLEAN UP	1200	800	8
Singles				
D. Collars				
Other Ft.				
C.B. Ft.				
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				
Next Slip				
		With Pipe	Without Pipe	Standby
Stands	RUN 4 1/2 TUBING LATCH INTO PACKER W/ANCHOR 1045 SEAL ASSEMBLY, PULL OUT REMANER + PACK SPACE OUT. RIG UP NOUBCO, MAKE UP WELL HEAD, INSTALL DOG BUT WORK ON MUD TANK LINES	800	1045	
Singles				
D. Collars				
Other Ft.				
C.B. Ft.				
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				
Next Slip				
		With Pipe	Without Pipe	Standby
Stands	MAKE UP WELL HEAD, A SET ON TUBING HANGER, TIGHTEN UP FLANGES + PRESSURE TEST RIG OUT WEATHER FORD + FARR + LAY DOWN TOOLS RIG UP SCHUMBERG + PER PERFORATE	400		
Singles				
D. Collars				
Other Ft.				
C.B. Ft.				
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				
Next Slip				
		With Pipe	Without Pipe	Standby

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller	
Derrick A.L. ROBERTS	8
Motor	
Floor	
Floor	

Accidents _____
 Outside Temp. _____
 Weather Conditions _____
 Road Conditions _____

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller R. DREWNIAK	13
Derrick B. LOGAN	13
Motor L. CHEESMAN	13
Floor D. DANIELS	13
Floor A. HEARN	13
	H. GUTSCHE 13
	W. B. BENOIT 13
	D. PARRAS 13

Accidents _____
 Outside Temp. _____
 Weather Conditions **SUNNY & WARM**
 Road Conditions **GOOD**

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller	
Derrick A.L. ROBERTS	4
Motor	
Floor	
Floor	

Accidents _____
 Outside Temp. _____
 Weather Conditions _____
 Road Conditions _____

Pipe Rack Total Contractor Time Hrs. Toolpusher **Al Thom** Toolpusher **Al Thom**
 Total Company Time Hrs. Approved by **Stan Kutz** Approved by _____

DATE **Oct 27** 19**77**
 Rig No. **9** Page No. **217**

NABORS DRILLING LIMITED

NOTE: Do Not

LOCATION **CAL GAS BTRAK HOVANEZEE VT HSY**

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER		CRUDE		Stands		
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal.	Bbls.				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars	
I															Other Ft.	
T															C.B. Ft.	
S															Subs. Ft.	
MUD			12 a.m.	2 a.m.	4 a.m.	6 a.m.	Additives			At Surveys Degree		MOTOR HOURS		Oil Added		
WEIGHT												1				
VISCOSITY												2				
GEL												3		8		
P	No. 1	Pressure										Light Plant		8		
	Model	S.P.M.										BOILER HRS.				
U	Liner Size				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip	TOTAL	
		No. 2	Pressure													
M	Liner Size															
		Model	S.P.M.													
S	Liner Size				Casing Record	Surface Prod.										
W.L.		F.C.	pH.	Solids	Cement									With Pipe		

Rig WATCHING

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER		CRUDE		Stands		
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal.	Bbls.				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars	
I															Other Ft.	
T															C.B. Ft.	
S															Subs. Ft.	
MUD			8 a.m.	10 a.m.	12 p.m.	2 p.m.	Additives			At Surveys Degree		MOTOR HOURS		Oil Added		
WEIGHT												1				
VISCOSITY												2				
GEL												3		8		
P	No. 1	Pressure										Light Plant		8		
	Model	S.P.M.										BOILER HRS.				
U	Liner Size				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip	TOTAL	
		No. 2	Pressure													
M	Liner Size															
		Model	S.P.M.													
S	Liner Size				Casing Record	Surface Prod.										
W.L.		F.C.	pH.	Solids	Cement									With Pipe		

Run 4 1/2 T

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER		CRUDE		Stands		
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal.	Bbls.				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars	
I															Other Ft.	
T															C.B. Ft.	
S															Subs. Ft.	
MUD			4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives			At Surveys Degree		MOTOR HOURS		Oil Added		
WEIGHT												1				
VISCOSITY												2				
GEL												3		8		
P	No. 1	Pressure										Light Plant		8		
	Model	S.P.M.										BOILER HRS.				
U	Liner Size				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip	TOTAL	
		No. 2	Pressure													
M	Liner Size															
		Model	S.P.M.													
S	Liner Size				Water Truck Hours											
					Desilter Hours											
W.L.		F.C.	pH.	Solids	Desander Hours									With Pipe		

Run 4 1/2 T

WATCHING

Total Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Com
 B.O.P. Test-Operated Time Results Total Com

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE **OCT 27** 19**77**
 RIG No **9** Report No **217**

IT H-32

REMARKS	Time		
	Start	Stop	Interval
Stands RIG WATCHING + CLEAN UP	1200	800	8
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller	
Derrick AL. ROBERTS	8
Motor	
Floor	
Floor	

REMARKS	Time		
	Start	Stop	Interval
Stands RUN 4 1/2 TUBING	800	400	8
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Accidents
 Outside Temp.
 Weather Conditions
 Road Conditions

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller K. DREWNIAK	12
Derrick B. LOGAN	12
Motor L. CHEESEMAN	12
Floor D. DANIELS	12
Floor L. HEARN	12
H. GUTSCHE	12
WOODS B. BENOIT	12
DERICK L. PARRAS	12

REMARKS	Time		
	Start	Stop	Interval
Stands RUN 4 1/2 TUBING	400	800	4
Singles WATCHING RIG + CLEANING UP	800	1200	4
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Accidents
 Outside Temp.
 Weather Conditions
 Road Conditions

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller	
Derrick AL. ROBERTS	4
Motor	
Floor	
Floor	

With Pipe Without Pipe Standby

Pipe Rack Total Contractor Time Hrs. Toolpusher *Al Thomas* Toolpusher
 Total Company Time Hrs. Approved by *Al Thomas* Approved by

DATE

19

NABORS DRILLING LIMITED

NOTE: Do N

Rig No.

Page No.

LOCATION

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER		CRUDE	Stands
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal.		
MUD 12 a.m. 2 a.m. 4 a.m. 6 a.m. Additives _____ At Surveys Degree _____ MOTOR HOURS _____ Oil Added _____ WEIGHT _____ VISCOSITY _____ GEL _____ P U M S No. 1 Pressure _____ S.P.M. _____ Light Plant _____ BOILER HRS. _____ Model _____ No. 2 Pressure _____ S.P.M. _____ Model _____ Liner Size _____ Casing Record _____ Surface Prod. _____ W.L. _____ F.C. _____ pH. _____ Solids _____ Cement _____													Singles D. Collars Other Ft. C.B. Ft. Subs. Ft. Ft. Down On Kelly TOTAL Feet Left on Spool Next Slip
MUD 8 a.m. 10 a.m. 12 p.m. 2 p.m. Additives _____ At Surveys Degree _____ MOTOR HOURS _____ Oil Added _____ WEIGHT _____ VISCOSITY _____ GEL _____ P U M S No. 1 Pressure _____ S.P.M. _____ Light Plant _____ BOILER HRS. _____ Model _____ No. 2 Pressure _____ S.P.M. _____ Model _____ Liner Size _____ Casing Record _____ Surface Prod. _____ W.L. _____ F.C. _____ pH. _____ Solids _____ Cement _____													With Pipe Run <i>4 1/2</i> Singles D. Collars Other Ft. C.B. Ft. Subs. Ft. Ft. Down on Kelly TOTAL Feet Left on Spool Next Slip
MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives _____ At Surveys Degree _____ MOTOR HOURS _____ Oil Added _____ WEIGHT _____ VISCOSITY _____ GEL _____ P U M S No. 1 Pressure _____ S.P.M. _____ Light Plant _____ BOILER HRS. _____ Model _____ No. 2 Pressure _____ S.P.M. _____ Model _____ Liner Size _____ Water Truck Hours _____ Desilter Hours _____ Desander Hours _____ W.L. _____ F.C. _____ pH. _____ Solids _____													With Pipe Run <i>4 1/2</i> WATCHING Singles D. Collars Other Ft. C.B. Ft. Subs. Ft. Ft. Down on Kelly TOTAL Feet Left on Spool Next Slip

RIG WA
d CLEAN

With Pipe
Run *4 1/2*

With Pipe
Run *4 1/2*
WATCHING

Totco Ring on Bit No.D.P. Calipered DateResultsFrom Pipe RackTotal Contr
 B.O.P. Test-OperatedTimeResultsTotal Comp

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE Oct 26 1977
9
 Rig No _____ Report No. 216

REMARKS	Time		
	Start	Stop	Interval
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller	
Derrick	<u>AL. ROBERTS 8</u>
Motor	
Floor	
Floor	

REMARKS	Time		
	Start	Stop	Interval
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Accidents _____
 Outside Temp. _____
 Weather Conditions _____
 Road Conditions _____

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller	<u>R. DREWNIAR 12</u>
Derrick	<u>B. LOGAN 12</u>
Motor	<u>L. CHEESEMAN 12</u>
Floor	<u>D. DANIELS 12</u>
Floor	<u>L. HEARNE 12</u>
	<u>H. CUTSCHE 12</u>
	<u>WELDER B. BENOIT 12</u>
	<u>DERRICK HARRY PERRAS 5</u>

REMARKS	Time		
	Start	Stop	Interval
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Accidents _____
 Outside Temp. _____
 Weather Conditions _____
 Road Conditions _____

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller	
Derrick	<u>AL. ROBERTS 4</u>
Motor	
Floor	
Floor	

With Pipe _____ Without Pipe _____ Standby _____

Rig Rack _____ Total Contractor Time _____ Hrs. Toolpusher _____
 _____ Total Company Time _____ Hrs. Approved by _____
Toolpusher Al Thom
 Approved by _____

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE Oct 25 1977

Rig No 9 Report No. 215

H-38

REMARKS	Time		
	Start	Stop	Interval
Stands <u>WAIT ON TOOL</u>	<u>12:00</u>	<u>8:00</u>	
Singles <u>1 OF PIPE DOWN.</u>			
D. Collars <u>HOLE COLLARS</u>			
Other Ft. <u>500 TO RUN</u>			
C.B. Ft. <u>TUBING.</u>			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>DAVE S-TAPONKA</u>	<u>8</u>
Derrick <u>AL ROBERTS</u>	<u>8</u>
Motor <u>GRANT PRICE</u>	<u>8</u>
Floor <u>LARRY HEARNSE</u>	<u>8</u>
Floor	

Accidents Nil
 Outside Temp. - 2° C
 Weather Conditions CLEAR
 Road Conditions Muddy

REMARKS	Time		
	Start	Stop	Interval
Stands <u>UNLOAD DC 3 + PREPARE</u>	<u>8:00</u>		
Singles <u>TOOLS TO RUN TUBING.</u>	<u>12:00</u>	<u>4:00</u>	
D. Collars <u>RUN PACKER w/ SHUMBERGER.</u>			
Other Ft. <u>400</u>			
C.B. Ft. <u>BAKER PACKER.</u>			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>MEL SWINGEN</u>	<u>4</u>
Derrick <u>BOB LOGAN</u>	<u>12</u>
Motor <u>MURRY FOSS</u>	<u>4</u>
Floor <u>DAVE CHURCH</u>	<u>4</u>
Floor <u>WALNUT GUTSCHE</u>	<u>12</u>
Floor <u>PAUL GRAHAM</u>	<u>4</u>

Accidents
 Outside Temp.
 Weather Conditions
 Road Condition ONE WAY TRAFFIC DESTINATION

REMARKS	Time		
	Start	Stop	Interval
Stands <u>MADE UP ANKER + TAIL</u>	<u>9:00</u>		
Singles <u>PIPE + 3 1/2" TUBING.</u>			
D. Collars <u>RIG UP FLOOR. + RUN</u>			
Other Ft. <u>IN HOLE TO 3 1/2" TUBING</u>	<u>9:00</u>	<u>5:00</u>	
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>R. DREWNIAK</u>	<u>9</u>
Derrick <u>A. ROBERTS</u>	<u>4</u>
Motor <u>L. CHEESEMAN</u>	<u>9</u>
Floor <u>D. DANIELS</u>	<u>9</u>
Floor <u>L. HEARNSE</u>	<u>4</u>
Floor <u>WALTER B. BENOIT</u>	<u>4</u>

Accidents
 Outside Temp.
 Weather Conditions
 Road Conditions

Pipe Rock Total Contractor Time Hrs. Toolpusher Al Thom
 Total Company Time Hrs. Approved by _____ Approved by _____

DATE **Oct 24** 19

NABORS DRILLING LIMITED

NOTE: Do Not

Rig No. **9** Page No. **214**

LOCATION **COL GAS ETAL NOTANELOE W. H-38**

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands																																																																																																																																																											
					No.	O.D.	I.D.	Wgt.					Gals.	Bbs.	Gal.																																																																																																																																																								
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*Pick Up Final
Clean Pre-
Clean Lease
Pump Out TA
While Waiting*

*With Pipe
TRAP & PRE
TUBING
MARK FINAL*

*TALLY TUBE
TOOLS*

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Contract
B.O.P. Test-Operated Time Results Total Company

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE **Oct 24** 19**77**
 Rig No. **9** Report No. **214**

H-38

REMARKS	Time		
	Start	Stop	Interval
Stands PICK UP FITTINGS - TOOLS ETC.	12:00		
Singles CLEAN PREFAB RACK			
D. Collars CLEAN LEASE UP - ETC.		8:00	
Other Ft. PUMP OUT TRIP TANK & CLEAN			
C.B. Ft. WHILE WAITING ON WELL		8	
Subs. Ft. HEAD			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller DAVE OSTAPOVICH	8
Derrick AL ROBERTS	8
Motor GRANT PRICE	8
Floor LARRY HEARNS	8
Floor	

Accidents **NIL**
 Outside Temp. **5°C**
 Weather Conditions **CLEAR MODERATE WINDS**
 Road Conditions **MOIST 104**

REMARKS	Time		
	Start	Stop	Interval
Stands TRIP & PREPARE LAST OF	8:00		
Singles TUBING			
D. Collars MAKE FINAL CUT ON CSG			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller MEL SVINGEN	12
Derrick BOB LOGAN	12
Motor MOREY FOSS	12
Floor DAVE CHURCH	12
Floor HELMUT GUTCHE	12
Floor PAUL GRAHAM	12

Accidents **NIL**
 Outside Temp. **+4**
 Weather Conditions **+4**
 Road Conditions **SLICK**

REMARKS	Time		
	Start	Stop	Interval
Stands TALLY TUBING + WAIT ON	4:00		
Singles TOOLS		12:00	
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller DAVE OSTAPOVICH	4
Derrick AL ROBERTS	4
Motor GRANT PRICE	4
Floor LARRY HEARNS	4
Floor	

Accidents **NIL**
 Outside Temp. **0°C**
 Weather Conditions **CLOUDY**
 Road Conditions **MUDDY**

Pipe Rack Total Contractor Time Hrs. Toolpusher **[Signature]** Toolpusher **[Signature]**
 Total Company Time Hrs. Approved by **[Signature]** Approved by

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE Oct 23 19 77

Rig No 9 Report No. 213

H-38

REMARKS	Time		
	Start	Stop	Interval
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>DAVE OSTADOVICH</u>	<u>8</u>
Derrick <u>AL ROBERTS</u>	<u>8</u>
Motor <u>GRANT PRICE</u>	<u>8</u>
Floor <u>LARRY HEARNS</u>	<u>8</u>
Floor	

Accidents NIL
 Outside Temp. +9°C
 Weather Conditions CLEAR
 Road Conditions GOOD

REMARKS	Time		
	Start	Stop	Interval
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>MEL SWINGEN</u>	<u>12</u>
Derrick <u>BOB LOGAN</u>	<u>12</u>
Motor <u>MORLEY FASS</u>	<u>12</u>
Floor <u>DAVID CHURCH</u>	<u>12</u>
Floor <u>HEINRICH GUTSCH</u>	<u>12</u>
Floor <u>AL PAUL GRAHAM</u>	<u>12</u>

Accidents NIL
 Outside Temp. +14
 Weather Conditions RAIN
 Road Conditions WET.

REMARKS	Time		
	Start	Stop	Interval
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>DAVE OSTADOVICH</u>	<u>4</u>
Derrick <u>AL ROBERTS</u>	<u>4</u>
Motor <u>GRANT PRICE</u>	<u>4</u>
Floor <u>LARRY HEARNS</u>	<u>4</u>
Floor	

Accidents NIL
 Outside Temp. +5°C
 Weather Conditions OVERCAST + WET
 Road Conditions Muddy

REMARKS	With Pipe	Without Pipe	Standby
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Pipe Rack _____ Total Contractor Time _____ Hrs. Toolpusher _____
 Total Company Time _____ Hrs. Approved by _____

Toolpusher Al Thom
 Approved by _____

DATE OCTOBER 22 1977

NABORS DRILLING LIMITED

NOTE: Do No

Rig No. 9 Page No. 212

LOCATION Columbia Gas H-38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Gal
<p><i>T.D. 12789</i></p>												<p><i>Wash + C</i></p>			
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.		Ft. Reamed	Hrs.	COND.
I												Other Ft.			
S												C.B. Ft.			
MUD			12 a.m.	2 a.m.	4 a.m.	6 a.m.	Additives			At Surveys Degree	MOTOR HOURS	Oil Added	Subs. Ft.		
WEIGHT											1				
VISCOSITY											2				
GEL											3				
P	No. 1	Pressure										Light Plant	8	Ft. Down On Kelly	
	Model	S.P.M.										BOILER HRS.		TOTAL	
M	Liner Size				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip	
	No. 2	Pressure													
S	Model	S.P.M.				Casing Record	Surface Prod.								
	Liner Size														
W.L.	F.C.	pH.	Solids	Cement								With Pipe			

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Gal
<p><i>Wash + C</i></p>												<p><i>LAH DOW STOCK</i></p>			
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.		Ft. Reamed	Hrs.	COND.
I												Other Ft.			
S												C.B. Ft.			
MUD			8 a.m.	10 a.m.	12 p.m.	2 p.m.	Additives			At Surveys Degree	MOTOR HOURS	Oil Added	Subs. Ft.		
WEIGHT											1				
VISCOSITY											2				
GEL											3				
P	No. 1	Pressure										Light Plant	8	Ft. Down On Kelly	
	Model	S.P.M.										BOILER HRS.		TOTAL	
M	Liner Size				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip	
	No. 2	Pressure													
S	Model	S.P.M.				Casing Record	<p><i>IRON FILTER CASE SET @ 12789</i></p>								
	Liner Size														
W.L.	F.C.	pH.	Solids	Cement								With Pipe			

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Gal
<p><i>Wash + C</i></p>												<p><i>Wash + C</i></p>			
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.		Ft. Reamed	Hrs.	COND.
I												Other Ft.			
S												C.B. Ft.			
MUD			4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives			At Surveys Degree	MOTOR HOURS	Oil Added	Subs. Ft.		
WEIGHT											1				
VISCOSITY											2				
GEL											3				
P	No. 1	Pressure										Light Plant	8	Ft. Down On Kelly	
	Model	S.P.M.										BOILER HRS.		TOTAL	
M	Liner Size				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip	
	No. 2	Pressure													
S	Model	S.P.M.				Water Truck Hours									
	Liner Size				Desilter Hours										
W.L.	F.C.	pH.	Solids	Desander Hours								With Pipe			

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Contrac

B.O.P. Test-Operated Time Results Total Comp

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE **OCTOBER 22 1977**

Rig No. **9** Report No. **222**

REMARKS	Time		
	Start	Stop	Interval
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller DAVE DEJARDIN	8
Derrick AL ROBERTS	8
Motor GRANT PRILE	8
Floor DON STANFIELD	8
Floor LARRY HEARNS	8

Accidents **NIL**
 Outside Temp. **+4°C**
 Weather Conditions **CLEAR**
 Road Conditions **GOOD**

REMARKS	Time		
	Start	Stop	Interval
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller MEL SWINGEN	12
Derrick BOB LOGAN	12
Motor MURRAY FOSS	12
Floor DAVE CHURCH	12
Floor HELMUT GUTSCHE	12
Floor PAUL GRAHAM	12
Floor SAVO PAUL GRANHAUS	12
CHARGE TO HIS HOME	
Accidents NIL	EDMONTON
Outside Temp. +5	
Weather Conditions OVERCAST	
Road Conditions GOOD	

REMARKS	Time		
	Start	Stop	Interval
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller DAVE DEJARDIN	4
Derrick AL ROBERTS	4
Motor GRANT PRILE	4
Floor LARRY HEARNS	4
Floor	

Accidents **NIL**
 Outside Temp. **+11°C**
 Weather Conditions **CLEAR + LIGHT WIND**
 Road Conditions **GOOD**

REMARKS	Time		
	Start	Stop	Interval
Stands			
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Pipe Rack _____ Total Contractor Time _____ Hrs. Toolpusher _____
 Total Company Time _____ Hrs. Approved by _____ Approved by _____

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE Oct 26 1977

Rig No. 9 Report No. 211

Y.T.H.-38

	REMARKS	Time		
		Start	Stop	Interval
Stands	<i>Set BOPs Down to Set</i>	<i>12:00</i>		
Singles	<i>7" CSG in Subs - Pick</i>			
D. Collars	<i>No BOPs + Cut 7" CSG</i>			
Other Ft.	<i>2 BOPs Back on Spool</i>	<i>6:00</i>	<i>6</i>	
C.B. Ft.	<i>Rig Run</i>	<i>6:15</i>	<i>6:15</i>	<i>1/4</i>
Subs. Ft.	<i>W.O.O.</i>	<i>6:15</i>	<i>8:00</i>	<i>1 3/4</i>
Ft. Down on Kelly				
TOTAL	<i>Slips set @ 4:00 AM could not drop slips through BOPs as there was a CSG collar between Kelly & BOPs. Crew had to pick up BOPs + set slips</i>			<i>8</i>
Next Slip				

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <i>DAVE OSTARBUCH</i>	<i>8</i>
Derrick <i>AL ROBERTS</i>	<i>8</i>
Motor <i>GRANT PRICE</i>	<i>8</i>
Floor <i>DON STANFIELD</i>	<i>8</i>
Floor <i>LARRY HEARNS</i>	<i>8</i>

Accidents *NIL*
 Outside Temp. *2°c*
 Weather Conditions *CLEAR*
 Road Conditions *GOOD*

	With Pipe	Without Pipe	Standby
Stands	<i>LAY DOWN F.I.F. - VALVES</i>		<i>8:00</i>
Singles	<i>LAY DOWN EARS SLIPS</i>		
D. Collars	<i>2 BOPs LAY DOWN</i>		
Other Ft.	<i>Kelly P SWING</i>		
C.B. Ft.			<i>8:00</i>
Subs. Ft.			<i>8</i>
Ft. Down on Kelly			
TOTAL	<i>Req to be based @ 12:00 Noon - From 1/2 hr. contract on completion + 1/2 hr. AM</i>		
Next Slip	<i>AS OF OCT 21 - 12:00 Noon</i>		

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <i>MEL SWINGER</i>	<i>12</i>
Derrick <i>BOB LOSEW</i>	<i>12</i>
Motor <i>MARLEY FOSS</i>	<i>12</i>
Floor <i>DAVE CHURCH</i>	<i>12</i>
Floor <i>HILBERT GUTSHE</i>	<i>12</i>
Floor <i>AL PAUL GRAHAM</i>	<i>12</i>

Accidents *NIL*
 Outside Temp. *+3*
 Weather Conditions *(A)*
 Road Conditions *(A)*

	With Pipe	Without Pipe	Standby
Stands	<i>WUMP + CLEAN AND</i>		<i>4:00</i>
Singles	<i>TOOLS - LAY DOWN BOP VALVES</i>		<i>12:00</i>
D. Collars			<i>8</i>
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <i>DAVE OSTARBUCH</i>	<i>4</i>
Derrick <i>AL ROBERTS</i>	<i>4</i>
Motor <i>GRANT PRICE</i>	<i>4</i>
Floor <i>DON STANFIELD</i>	<i>4</i>
Floor <i>LARRY HEARNS</i>	<i>4</i>

Accidents
 Outside Temp.
 Weather Conditions
 Road Conditions

Total Contractor Time _____ Hrs. Toolpusher *C. E. Thomas*
 Total Company Time _____ Hrs. Approved by *C. E. Thomas*

DATE Oct 20 1967

NABORS DRILLING LIMITED

NOTE: Do Not

Rig No. 9 Page No. 210

LOCATION Col Gas Etal KOTAUJEEE Y.T. H-38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER		CRUDE	Stands		
					No.	O.D.	I.D.	Wgt.		Gals.	Bbls.			Gal.	
<p>T.O. 12789</p>													<p><i>W.C.</i></p>		
<p>MUD 12 a.m. 2 a.m. 4 a.m. 6 a.m. Additives _____ At Surveys Degree _____ MOTOR HOURS _____ Oil Added _____</p>															
<p>WEIGHT _____ VISCOSITY _____ GEL _____</p>													<p>Singles _____</p>		
<p>Light Plant _____ BOILER HRS. _____</p>															
B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft.Reamed	Hrs.	COND.	D. Collars
	<p>Other Ft. _____</p>														
<p>C.B. Ft. _____</p>													<p>Subs. Ft. _____</p>		
<p>Ft. Down On Kelly _____</p>															
<p>TOTAL _____</p>													<p>Next Slip _____</p>		
<p>Slip Feet or Cut Feet Left on Spool</p>															
P U M	No. 1	Pressure													
	Model	S.P.M.													
P S	No. 2	Pressure													
	Model	S.P.M.													
<p>W.L. F.C. pH. Solids Cement</p>													<p>With Pipe</p>		

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER		CRUDE	Stands		
					No.	O.D.	I.D.	Wgt.		Gals.	Bbls.			Gal.	
<p>MUD 8 a.m. 10 a.m. 12 p.m. 2 p.m. Additives _____ At Surveys Degree _____ MOTOR HOURS _____ Oil Added _____</p>													<p><i>WAIT ON C</i></p>		
<p>WEIGHT _____ VISCOSITY _____ GEL _____</p>															
<p>Light Plant _____ BOILER HRS. _____</p>													<p>Singles _____</p>		
<p>Slip Feet or Cut Feet Left on Spool</p>															
B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft.Reamed	Hrs.	COND.	D. Collars
	<p>Other Ft. _____</p>														
<p>C.B. Ft. _____</p>													<p>Subs. Ft. _____</p>		
<p>Ft. Down On Kelly _____</p>															
<p>TOTAL _____</p>													<p>Next Slip _____</p>		
<p>Slip Feet or Cut Feet Left on Spool</p>															
P U M	No. 1	Pressure													
	Model	S.P.M.													
P S	No. 2	Pressure													
	Model	S.P.M.													
<p>W.L. F.C. pH. Solids Cement</p>													<p>With Pipe</p>		

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER		CRUDE	Stands		
					No.	O.D.	I.D.	Wgt.		Gals.	Bbls.			Gal.	
<p>MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives _____ At Surveys Degree _____ MOTOR HOURS _____ Oil Added _____</p>													<p><i>W.C.</i></p>		
<p>WEIGHT _____ VISCOSITY _____ GEL _____</p>															
<p>Light Plant _____ BOILER HRS. _____</p>													<p>Singles _____</p>		
<p>Slip Feet or Cut Feet Left on Spool</p>															
B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft.Reamed	Hrs.	COND.	D. Collars
	<p>Other Ft. _____</p>														
<p>C.B. Ft. _____</p>													<p>Subs. Ft. _____</p>		
<p>Ft. Down On Kelly _____</p>															
<p>TOTAL _____</p>													<p>Next Slip _____</p>		
<p>Slip Feet or Cut Feet Left on Spool</p>															
P U M	No. 1	Pressure													
	Model	S.P.M.													
P S	No. 2	Pressure													
	Model	S.P.M.													
<p>W.L. F.C. pH. Solids Cement</p>													<p>With Pipe</p>		

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ Total Contrac _____

B.O.P. Test-Operated _____ Time _____ Results _____ Total Compar _____

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE Oct 20 1977

H-38

Rig No. 9 Report No. 210

	REMARKS	Time		
		Start	Stop	Interval
Stands	<u>Woe</u>	<u>12:00</u>	<u>8:00</u>	<u>8</u>
Singles				
D. Collars				
Other Ft.				
C.B. Ft.				
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				
Next Slip				

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>DAVE OSTADOVICH</u>	<u>8</u>
Derrick <u>AL ROBERTS</u>	<u>8</u>
Motor	
Floor <u>DON STARFIELD</u>	<u>8</u>
Floor <u>GRANT PRICE</u>	<u>8</u>

Accidents NIL
 Outside Temp. 0°C
 Weather Conditions Clear
 Road Conditions GOOD

	With Pipe	Without Pipe	Standby
Stands	<u>WAIT ON CSG SLIPS</u>		<u>08:00</u>
Singles			<u>11:00 / 8 hrs</u>
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>McL SWINCO</u>	<u>12</u>
Derrick <u>BOB LUDWIG</u>	<u>12</u>
Motor <u>WALTON FOSS</u>	<u>12</u>
Floor <u>DAVE CHURCH</u>	<u>12</u>
Floor <u>ARLUNT GUTSCHE</u>	<u>12</u>
Floor <u>PAUL GRANHAM</u>	<u>12</u>

Accidents NIL
 Outside Temp. +4°C
 Weather Conditions Clear & Palm
 Road Conditions OK's

	With Pipe	Without Pipe	Standby
Stands	<u>Wait on CSG SLIPS</u>		<u>4:00</u> <u>7:00</u> <u>3</u>
Singles	<u>PLUG UP BOP + SET</u>		<u>7:00</u>
D. Collars	<u>CSG SLIPS IN SPOOL</u>		<u>12:00</u> <u>5</u>
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>DAVE OSTADOVICH</u>	<u>4</u>
Derrick <u>AL ROBERTS</u>	<u>4</u>
Motor <u>GRANT PRICE</u>	<u>4</u>
Floor <u>DON STARFIELD</u>	<u>4</u>
Floor <u>LARRY HEARDS</u>	<u>4</u>

Accidents NIL
 Outside Temp. +1°C
 Weather Conditions CLEAR + LIGHT BREEZE
 Road Conditions Good

On Pipe Rack Total Contractor Time Hrs Toolpusher [Signature]
 Total Company Time Hrs Approved by [Signature]

Toolpusher [Signature]
 Approved by [Signature]

DATE Oct. 19 19 77

NABORS DRILLING LIMITED

Rig No. 9 Page No. 209

LOCATION COAL GAS ETAL KUTANERLEK Y.F.H.38

NOTE: Do Not

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands				
<u>I.D.</u>	<u>12789</u>				No.	O.D.	I.D.	Wgt.	Gals.	Bb's.	Gal.	Singles				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars	
I															Other Ft.	
T															C.B. Ft.	
S															Subs. Ft.	
MUD					Additives		At Surveys Degree		MOTOR HOURS		Oil Added				Ft. Down On Kelly	
WEIGHT									1						TOTAL	
VISCOSITY									2						Next Slip	
GEL									3							
P	No. 1	Pres- sure								Light Plant						
U	Model	S.P.M.								BOILER HRS.						
M	Liner Size	<u>5 1/2 x 18</u>			Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip		
P	No. 2	Pres- sure														
S	Model	S.P.M.				Casing Record	Surface Prod.									
W.L.			F.C.	pH.	Solids	Cement								With Pipe		

PIPE 7" C
RIG UP TO
RUN CEMENT
WATER 500 GAL
WATER 1000
FLUG DOWN
RIG 3:00
W.D.C.

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands				
					No.	O.D.	I.D.	Wgt.	Gals.	Bb's.	Gal.	Singles				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars	
I															Other Ft.	
T															C.B. Ft.	
S															Subs. Ft.	
MUD					Additives		At Surveys Degree		MOTOR HOURS		Oil Added				Ft. Down On Kelly	
WEIGHT									1						TOTAL	
VISCOSITY									2						Next Slip	
GEL									3							
P	No. 1	Pres- sure								Light Plant						
U	Model	S.P.M.								BOILER HRS.						
M	Liner Size				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip		
P	No. 2	Pres- sure														
S	Model	S.P.M.				Casing Record	Surface Prod.									
W.L.			F.C.	pH.	Solids	Cement								With Pipe		

W.D.C.

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands				
<u>12789</u>					No.	O.D.	I.D.	Wgt.	Gals.	Bb's.	Gal.	Singles				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars	
I															Other Ft.	
T															C.B. Ft.	
S															Subs. Ft.	
MUD					Additives		At Surveys Degree		MOTOR HOURS		Oil Added				Ft. Down On Kelly	
WEIGHT									1						TOTAL	
VISCOSITY									2						Next Slip	
GEL									3							
P	No. 1	Pres- sure								Light Plant						
U	Model	S.P.M.								BOILER HRS.						
M	Liner Size				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip		
P	No. 2	Pres- sure														
S	Model	S.P.M.				Water Truck Hours		Desilter Hours								
W.L.			F.C.	pH.	Solids	Desander Hours								With Pipe		

W.D.C.

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Contract
 B.O.P. Test-Operated Time Results Total Company

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE Oct 19 1977

Y.C.H. 38

Rig No. 9 Report No. 209

DE	Pl.	REMARKS	Time		
			Start	Stop	Interval
	Stands	Circ 7" CSG	12:00	1:15	1 1/4
	Singles	RIG UP TO RUN CEMENT	1:15	1:45	1/2
	D. Collars	RUN CEMENT	1:45	4:00	2 1/4
	Other Ft.				
	C.B. Ft.	WORK + 500 SKS OVER + 30% SILICA			
	Subs. Ft.	WORK + 1 1/2" SS T. 1 1/2" T-10			
	Ft. Down On Kelly	PLUG DOWN 3:50 AM OCT 19			
	TOTAL				
	Next Slip	RIG SERV	4:00	4:15	1/4
		W.O.C.	4:15	8:00	3 3/4
					8

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>DAVE OSTROVICH</u>	8
Derrick <u>AL ROBERTS</u>	8
Motor <u>MARK HAMBLETT</u>	8
Floor <u>DON STARCHFIELD</u>	8
Floor <u>GRANT PRICE</u>	8
	<u>FRED ACHENBACH</u> 8

Accidents NIL
 Outside Temp. + 12°C
 Weather Conditions CLEAR-LIGHT W.V. NO
 Road Conditions GOOD

DE	Pl.	REMARKS	Time		
			Start	Stop	Interval
	Stands	W.O.C.	8:00	4:00	8
	Singles				
	D. Collars				
	Other Ft.				
	C.B. Ft.				
	Subs. Ft.				
	Ft. Down On Kelly				
	TOTAL				
	Next Slip				

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>MEL SUNGSEN</u>	12
Derrick <u>BOB LEBAND</u>	12
Motor <u>MARV FOS</u>	12
Floor <u>DAVE CHURCH</u>	12
Floor <u>HELMUT GUTSCH</u>	12
	<u>PAUL GRAHAM</u> 12

Accidents NIL
 Outside Temp. + 1
 Weather Conditions REALY WINDY
 Road Conditions GOOD

DE	Pl.	REMARKS	Time		
			Start	Stop	Interval
	Stands	W.O.C.	4:00	12:00	8
	Singles				
	D. Collars				
	Other Ft.				
	C.B. Ft.				
	Subs. Ft.				
	Ft. Down On Kelly				
	TOTAL				
	Next Slip				

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>DAVE OSTROVICH</u>	4
Derrick <u>AL ROBERTS</u>	4
Motor	
Floor <u>DON STARCHFIELD</u>	4
Floor <u>GRANT PRICE</u>	4

Accidents NIL
 Outside Temp. + 3°C
 Weather Conditions GUSTING WINDS
 Road Conditions GOOD

Pipe Rack Total Contractor Time Hrs. Toolpusher [Signature]
 Total Company Time Hrs. Approved by [Signature]

DATE Oct 18-77 19

NABORS DRILLING LIMITED

NOTE: Do Not

Rig No. 9 Page No. 208

LOCATION COX GAS RTA MOTANEELEK YH-38

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FUEL		WATER		CRUDE		Stands	
T.D. 12789										No. O.D. I.D. Wgt.		Gals.		Bbls.		Gal		Bbls		RW 7" CS	
B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars						
															Other Ft.		C.B. Ft.				
															Subs. Ft.		Ft. Down On Kelly				
MUD										At Surveys Degree		MOTOR HOURS		Oil Added							
WEIGHT												1 8									
VISCOSITY												2 8									
GEL												3 8									
P U M S	No. 1	Pressure																			
	Model	S.P.M.																			
										Light Plant		BOILER HRS.		8		TOTAL					
No. 2		Pressure	Size		TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool		Next Slip							
Model		S.P.M.	Casing Record		Surface Prod.																
Liner Size																					
W.L.		F.C.		pH.		Solids		Cement													

With Pipe

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FUEL		WATER		CRUDE		Stands	
T.D. 12789										No. O.D. I.D. Wgt.		Gals.		Bbls.		Gal		Bbls		RW 7" C	
B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars						
															Other Ft.		C.B. Ft.				
															Subs. Ft.		Ft. Down on Kelly				
MUD										At Surveys Degree		MOTOR HOURS		Oil Added							
WEIGHT												1 4									
VISCOSITY												2 4									
GEL												3 4									
P U M S	No. 1	Pressure																			
	Model	S.P.M.																			
										Light Plant		BOILER HRS.		8		TOTAL					
No. 2		Pressure	Size		TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool		Next Slip							
Model		S.P.M.	Casing Record		Surface Prod.																
Liner Size																					
W.L.		F.C.		pH.		Solids		Cement													

With Pipe

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FUEL		WATER		CRUDE		Stands	
										No. O.D. I.D. Wgt.		Gals.		Bbls.		Gal		Bbls		Rig Spool End CSG CNC	
B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars						
															Other Ft.		C.B. Ft.				
															Subs. Ft.		Ft. Down on Kelly				
MUD										At Surveys Degree		MOTOR HOURS		Oil Added							
WEIGHT												1									
VISCOSITY												2									
GEL												3									
P U M S	No. 1	Pressure																			
	Model	S.P.M.																			
										Light Plant		BOILER HRS.		8		TOTAL					
No. 2		Pressure	Size		TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool		Next Slip							
Model		S.P.M.	Water Truck Hours		Desilter Hours																
Liner Size																					
W.L.		F.C.		pH. 10.0		Solids		Desander Hours													

With Pipe

Totco Ring on Bit No. D.P. Calipered Date Results Pipe Rack Total Contract
 B.O.P. Test-Operated Time Results Total Company

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE OCT 18 1977

H 38

Rig No 9 Report No 208

REMARKS	Time		
	Start	Stop	Interval
Stands			
<i>RUN 7" CSG</i>	<i>12:00</i>	<i>8:00</i>	<i>8</i>
Singles			
D. Collars			
Other Ft.			
C. B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — Midr'ght - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <i>R. DREWNIAK</i>	<i>8</i>
Derrick <i>L. PERRAS</i>	<i>8</i>
Motor <i>L. CHEESEMAN</i>	<i>8</i>
Floor <i>D. DANIELS</i>	<i>8</i>
Floor <i>D. WEREMCZUK</i>	<i>8</i>
<i>P. GRAHAM</i>	<i>8</i>

Accidents _____
 Outside Temp. *+ 8*
 Weather Conditions *CLEAR*
 Road Conditions *BETTER*

REMARKS	Time		
	Start	Stop	Interval
Stands			
<i>RUN 7" CSG</i>	<i>8:00</i>	<i>4:00</i>	<i>8</i>
Singles			
D. Collars			
Other Ft.			
C. B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <i>DAVE OSTROWICH</i>	<i>12</i>
Derrick <i>JOHN PAISH</i>	<i>1</i>
Motor <i>MIKE JARRETT</i>	<i>12</i>
Floor <i>DOAL STANTFIELD</i>	<i>12</i>
Floor <i>GRANT PRICE</i>	<i>12</i>
<i>FRED ACHENBACH</i>	<i>12</i>
<i>DEANAL ROBERTS</i>	<i>3</i>

Accidents *NIL*
 Outside Temp. *+ 10°C*
 Weather Conditions *WINDY + SCATTERED SHOWERS*
 Road Conditions *FAIR*

REMARKS	Time		
	Start	Stop	Interval
Stands			
<i>RIG SERV</i>	<i>4:00</i>	<i>4:15</i>	<i>1/4</i>
Singles			
D. Collars			
Other Ft.			
C. B. Ft.			
Subs. Ft.			
Ft. Down on Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <i>MEL SWINBEN</i>	<i>8</i>
Derrick <i>BOB LOGAN</i>	<i>8</i>
Motor <i>MARION FOGS</i>	<i>8</i>
Floor <i>DAVE CHURCH</i>	<i>8</i>
Floor <i>HELMUT GUTSCH</i>	<i>8</i>
<i>PAUL GERMAN</i>	<i>8</i>

Accidents _____
 Outside Temp. _____
 Weather Conditions _____
 Road Conditions _____

Pipe Rack _____
 Total Contractor Time _____ Hrs. Toolpusher *Bob & Lawrence*
 Total Company Time _____ Hrs. Approved by *A. Deal*

Toolpusher *Bob & Lawrence*
 Approved by _____

DATE Oct 17 1977

NABORS DRILLING LIMITED

NOTE: Do N

Rig No. 9 Page No. 207

LOCATION COAL GAS MOUNTAIN LAKE VT H-38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands					
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Gal.		
<p>T.D. 12789</p>												<p>LAB Down</p> <p>Run in 9 3/4</p>					
B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft Reamed	Hrs	COND.	D. Collars	<p>LAB Down</p>	
													Other Ft.				
													C.B. Ft.				
													Subs. Ft.				
MUD				12 a.m.	2 a.m.	4 a.m.	6 a.m.	Additives			At Surveys Degree	MOTOR HOURS		Oil Added			
WEIGHT												1	8				
VISCOSITY												2	8				
GEL												3	8				
P U M	No. 1	Pressure											Light Plant	8			
	Model	S.P.M.											BOILER HRS	8			
P S	No. 2	Pressure	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip					
	Model	S.P.M.	Casing Record	Surface Prod.													
W.L.		F.C.	pH.	Solids	Cement								With Pipe				
<p>TD 12789</p>												<p>LAB Down</p>					
B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft Reamed	Hrs	COND.	D. Collars	<p>LAB Down</p>	
													Other Ft.				
													C.B. Ft.				
													Subs. Ft.				
MUD				8 a.m.	10 a.m.	12 p.m.	2 p.m.	Additives			At Surveys Degree	MOTOR HOURS		Oil Added			
WEIGHT												1	8				
VISCOSITY												2	8				
GEL												3	8				
P U M	No. 1	Pressure											Light Plant	8			
	Model	S.P.M.											BOILER HRS	8			
P S	No. 2	Pressure	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip					
	Model	S.P.M.	Casing Record	Surface Prod.													
W.L.		F.C.	pH.	Solids	Cement								With Pipe				
<p>TD 12789</p>												<p>LAB Down</p>					
B I T S	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft Reamed	Hrs	COND.	D. Collars	<p>LAB Down</p>	
													Other Ft.				
													C.B. Ft.				
													Subs. Ft.				
MUD				4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives			At Surveys Degree	MOTOR HOURS		Oil Added			
WEIGHT												1	8				
VISCOSITY												2	8				
GEL												3	8				
P U M	No. 1	Pressure											Light Plant	8			
	Model	S.P.M.											BOILER HRS	8			
P S	No. 2	Pressure	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip					
	Model	S.P.M.	Water Truck Hours	Desalter Hours													
W.L.		F.C.	pH.	Solids	Expander Hours								With Pipe				

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ Total Cont _____

B.O.P. Test-Operated _____ Time _____ Results _____ Total Comp _____

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE OCT 17 19 77

Rig No 9 Report No 207

38

DE	Stands	REMARKS	Time		
			Start	Stop	Interval
Gal	Singles	LAY DOWN PIPE	12:00	8:00	8
Bbls	D. Collars	RUN 1 1/2" 9 STD' FROM DERRICK			
D.	Other Ft.	LAY DOWN SAME			
	C.B. Ft.				
	Subs. Ft.				
	Ft. Down On Kelly				
	TOTAL				
Left Tool	Next Slip				
					320

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>R DREWNIAK</u>	8
Derrick <u>L PERRAS</u>	8
Motor <u>L CHEESEMAN</u>	8
Floor <u>D DANIELS</u>	8
Floor <u>D WEREMCZUK</u>	8
Floor <u>P GRAHAM</u>	8

Accidents _____
 Outside Temp. + 8
 Weather Conditions RAIN
 Road Conditions WET

DE	Stands	REMARKS	Time		
			Start	Stop	Interval
Gal	Singles	LAY DOWN PIPE + COLLARS	8:00	11:00	3
Bbls	D. Collars	LAY DOWN SUBS - CLEAN FLOOR	11:00	11:15	1/4
D.	Other Ft.	LAY CUT PIPE	11:15	12:00	3/4
	C.B. Ft.	WORK DOWN B.W.P. + CHANGE	12:15		
	Subs. Ft.	THE RAMS - RIG UP TO			
	Ft. Down On Kelly	THE CSG.		4:00	3 3/4
	TOTAL				8
Left Tool	Next Slip				

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>DAVE DETADKICH</u>	12
Derrick <u>JOHN PAISIA</u>	12
Motor <u>MIKE HARGRETT</u>	12
Floor <u>DON SEANFIELD</u>	12
Floor <u>TERRELL PRICE</u>	12
Floor <u>FRED ACHENBACH</u>	12

Accidents _____
 Outside Temp. _____
 Weather Conditions _____
 Road Conditions _____

DE	Stands	REMARKS	Time		
			Start	Stop	Interval
Gal	Singles	1 1/2" UP TO RUN CSG.	4:00	11:30	7 1/2
Bbls	D. Collars	1 1/2" 7" CSG	4:30	12:00	7 1/2
D.	Other Ft.				8
	C.B. Ft.				
	Subs. Ft.				
	Ft. Down On Kelly				
	TOTAL				
Left Tool	Next Slip				

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>R DREWNIAK</u>	4
Derrick <u>L PERRAS</u>	4
Motor <u>L CHEESEMAN</u>	4
Floor <u>D DANIELS</u>	4
Floor <u>D WEREMCZUK</u>	4
Floor <u>P GRAHAM</u>	4

Accidents _____
 Outside Temp. + 12
 Weather Conditions CLEAR
 Road Conditions FAIR

Toolpusher _____
 Approved by A. Lead

Toolpusher E. K. ...
 Approved by _____

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE OCT 16 1977

Rig No. 9 Report No. 206

H 38

REMARKS	Time		
	Start	Stop	Interval
Stands			
124 x 124 MAKE UP BIT - R.I.H.	1200	1230	1/2
Singles			
1212981 SLIP 20'4" DRAG LINE	1230	1245	1/4
D. Collars			
615.20 RIG SERV	1245	100	1/4
Other Ft.			
10.82 R.I.H.	100	400	3
C.B. Ft.			
REAM RAT HOLE 12712-12789	400	500	1
Subs. Ft.			
5.20 CIRC GAS MICK THROUGH POOLBY	500	530	1/2
Ft. Down On Kelly			
2797 CIRC OVER SHAKER	530	800	2 1/2
TOTAL			8
Next Slip			
320			

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller R. DREWNIAK	8
Derrick L. PERRAS	8
Motor L. CHEESEMAN	8
Floor D. DAVIES	8
Floor D. WAREMORUK	8
P. GRAMER	8
Accidents	
Outside Temp. + 8	
Weather Conditions WINDY	
Road Conditions ROUGH	

REMARKS	Time		
	Start	Stop	Interval
Stands			
OPERATION AND PUMP PILL	8:00	1:45	5 3/4
Singles			
1:45 2:00			1/4
D. Collars			
HOST - LA/ DOWN PIPE	2:00	4:00	2
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			8
Next Slip			
320			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller DON STANICH	12
Derrick JOHN PAISH	12
Motor MIKE HAMMETT	12
Floor DON STANICH	12
Floor GRANT PRICE	12
FRED ALLEN	12
Accidents NIL	
Outside Temp. + 12°C	
Weather Conditions WINDY	
Road Conditions DUSTY	

REMARKS	Time		
	Start	Stop	Interval
Stands			
LA/ DOWN PIPE	4:00	12:00	8
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			8
Next Slip			
320			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller R. DREWNIAK	4
Derrick L. PERRAS	4
Motor L. CHEESEMAN	4
Floor D. DAVIES	4
Floor D. WAREMORUK	4
P. GRAMER	4
Accidents NIL	
Outside Temp. + 10	
Weather Conditions WINDY	
Road Conditions	

Pipe Rack _____ Total Contractor Time _____ Hrs. Toolpusher Bob F. Sawicki
 _____ Total Company Time _____ Hrs. Approved by R. Lane

DATE OCT 15 1977

NABORS DRILLING LIMITED

NOTE: Do Not

Rig No 9 Page No. 205

LOCATION COA GAS ETAR MOTANEELEE YH H 38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER		CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.		Gals.	Bbls.			Gal		
12789T.02													2099.09			
72"																
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars	
I														Other Ft.		
T														48 49		
S																
MUD					12 a.m. 2 a.m. 4 a.m. 6 a.m.		Additives			At Surveys Degree		MOTOR HOURS		Oil Added		
WEIGHT										1				Subs. Ft.		
VISCOSITY										2				Ft. Down on Kelly		
GEL										3		8		TOTAL		
P					No. 1		Pressure				Light Plant		8		BOILER HRS.	
U					Model		S.P.M.						8			
M					Liner Size		209		Size		TRIPS		No. Lines		TON MILES	
P					No. 2		Pressure		178		10		320		350	
S					Model		S.P.M.		Casing Record		Surface Prod.					
W.L.					F.C.		pH.		Solids		Cement				With Pipe	
LOGGING																
LOGGING																
RETRIEVE W...																
With Pipe																
With Pipe																
With Pipe																

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ Total Contra _____
 B.O.P. Test-Operated _____ Time _____ Results _____ Total Compa _____

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE OCT 15 1977

H 38

Rig No. 9 Report No. 205

REMARKS	Time		
	Start	Stop	Interval
Stands	1200	800	8
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			
350			

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>R. DREWNIAK</u>	8
Derrick <u>L. PERRAS</u>	8
Motor <u>L. CHEESEMAN</u>	8
Floor <u>D. DANIELS</u>	8
Floor <u>D. WEREMCZUK</u>	8
<u>P. GRAHAM</u>	8

Accidents NIL
 Outside Temp. 8
 Weather Conditions LOUDY
 Road Conditions ROUGH

REMARKS	Time		
	Start	Stop	Interval
Stands	8:00	4:00	8
Singles			
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>DAVE DETARONICH</u>	12
Derrick <u>TOM PAISH</u>	12
Motor <u>MIKE HAMBLITT</u>	12
Floor <u>BOB STANFIELD</u>	12
Floor <u>GRANT PRICE</u>	12
<u>FRED ACHENBACH</u>	12

Accidents NIL
 Outside Temp. +15°C
 Weather Conditions LIGHT BREEZE + SUNNY
 Road Conditions GOOD

REMARKS	Time		
	Start	Stop	Interval
Stands	4:00	1130	7 1/2
Singles	1130	1200	1/2
D. Collars			
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			
350			

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>R. DREWNIAK</u>	4
Derrick <u>L. PERRAS</u>	4
Motor <u>L. CHEESEMAN</u>	4
Floor <u>D. DANIELS</u>	4
Floor <u>D. WEREMCZUK</u>	4
<u>P. GRAHAM</u>	4

Accidents NIL
 Outside Temp. +10
 Weather Conditions WINDY
 Road Conditions ROUGH

Pipe Rack Total Contractor Time Hrs Toolpusher [Signature] Toolpusher [Signature]
 Total Company Time Hrs Approved by [Signature] Approved by

DATE OCT 14 1977

NABORS DRILLING LIMITED

NOTE: Do Not

Rig No. 9 Page No. 204

LOCATION COAL GAS MOUNTAIN AREA T1H 38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal.				
<u>12789</u>									<u>72'</u>			<u>RECOVER COR</u>			
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
I					<u>109</u>										<u>LAY DOWN</u>
T															<u>RIG UP SCH</u>
S															
MUD			12 a.m.	2 a.m.	4 a.m.	6 a.m.	Additives			At Surveys Degree	MOTOR HOURS	Oil Added	C.B. Ft.		
WEIGHT													Subs. Ft.		
VISCOSITY													Ft. Down On Kelly		
GEL													TOTAL		
P	No. 1	Pressure													
U	Model	S.P.M.													
M	Liner Size		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip			
P	No. 2	Pressure													
S	Model	S.P.M.													
Casing Record			Surface Prod.												
W.L.			F.C.	pH.	Solids	Cement			With Pipe						

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal.				
<u>12789</u>												<u>LOGGING VIS</u>			
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
I															<u>109</u>
T															
S															
MUD			8 a.m.	10 a.m.	12 p.m.	2 p.m.	Additives			At Surveys Degree	MOTOR HOURS	Oil Added	C.B. Ft.		
WEIGHT			<u>100-100</u>										Subs. Ft.		
VISCOSITY			<u>38 37</u>										Ft. Down On Kelly		
GEL													TOTAL		
P	No. 1	Pressure													
U	Model	S.P.M.													
M	Liner Size		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip			
P	No. 2	Pressure													
S	Model	S.P.M.													
Casing Record			Surface Prod.												
W.L.			F.C.	pH.	Solids	Cement			With Pipe						

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal.				
<u>12789</u>												<u>LOGGING</u>			
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
I															<u>109</u>
T															
S															
MUD			4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives			At Surveys Degree	MOTOR HOURS	Oil Added	C.B. Ft.		
WEIGHT													Subs. Ft.		
VISCOSITY													Ft. Down On Kelly		
GEL													TOTAL		
P	No. 1	Pressure													
U	Model	S.P.M.													
M	Liner Size		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip			
P	No. 2	Pressure													
S	Model	S.P.M.													
Casing Record			Surface Prod.												
W.L.			F.C.	pH.	Solids	Cement			With Pipe						

Total Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ Total Contract _____
 B.O.P. Test-Operated _____ Time _____ Results _____ Total Compar _____

DATE OCT 13

1977

NABORS DRILLING LIMITED

NOTE: Do No

Rig No. 9 Page No. 203

LOCATION CO2 GAS ETAL MOTANELEE YH-3B

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands									
					No.	O.D.	I.D.	Wgt.													
12755	3	12758	1 1/4		21	6 1/4	2 3/4		72"			12888 RECOVER CO Singles 1203558 RIG SERVICE									
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Fig.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars						
I	80RR 8 3/2		DMC20	-	7E067	20	65	12755	12758	3	14			DRLY	61520 SERVICE CUR						
T															Other Ft.						
S															6595 R.L.H						
MUD											12 a.m.	2 a.m.	4 a.m.	7 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Oil Added	10.82 SLIP DRILG		
WEIGHT																	1	8		Subs. Ft.	8 R.L.H w/c
VISCOSITY																	2	8		5.70	GIRC BTM
GEL																	3	8		Ft. Down on Kelly	CUT CUR
P	No. 1	Pres- sure																			
U	Model	S.P.M.																			
M	No. 2	Pres- sure																			
S	Model	S.P.M.																			
W.L.											F.C.	pH.	Solids	Cement						With Pipe	

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands								
					No.	O.D.	I.D.	Wgt.												
12758	28	12786	7 3/4	270	21	6 1/4	2 3/8					129 CUT CORE Singles 1206651 RIG SERV D. Collars 61520 CUT CORE Other Ft. 10.82 C.B. Ft. 6595 Subs. Ft. 5.70 Ft. Down on Kelly 21682 TOTAL 12786								
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Fig.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars					
I	80RR 8 3/2		DMC20	-	7E067	20	65	12758	12786	31	9				61520 CUT CORE					
T															Other Ft.					
S															10.82					
MUD											8 a.m.	10 a.m.	12 p.m.	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Oil Added		
WEIGHT											10	10	10	10	Uniqal 100#		1	8		Subs. Ft.
VISCOSITY											45	45	45	45	500#		2	8		5.70
GEL															250#		3	8		Ft. Down on Kelly
P	No. 1	Pres- sure																		
U	Model	S.P.M.																		
M	No. 2	Pres- sure																		
S	Model	S.P.M.																		
W.L.											F.C.	pH.	11	Solids	Cement					With Pipe

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands								
					No.	O.D.	I.D.	Wgt.												
12786	3	12789	1 1/4	270	21	6 1/4	2 3/8					129 CUT CORE Singles 1206651 CIRC D. Collars 61520 P.O.H w/c Other Ft. 10.82 RIG SERV C.B. Ft. 6595 Subs. Ft. 5.70 Ft. Down on Kelly 2182 TOTAL 12789								
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Fig.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars					
I	80RR 8 3/2		DMC20	-	7E067	20	65	12758	12789	34	10 1/4				61520 P.O.H w/c					
T															Other Ft.					
S															10.82 RIG SERV					
MUD											4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Oil Added		
WEIGHT											79.77				Uniqal 100#		1	8		Subs. Ft.
VISCOSITY											46	43			50#		2	8		5.70
GEL																	3	8		Ft. Down on Kelly
P	No. 1	Pres- sure																		
U	Model	S.P.M.																		
M	No. 2	Pres- sure																		
S	Model	S.P.M.																		
W.L.											F.C.	pH.	10	Solids	Cement					With Pipe

Totco Ring on Bit No. D.P. Calipered Date Results From: Pipe Rack Total Contro

B.O.P. Test-Operated Time Results Total Compe

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE OCT-13- 1977

Rig No. 9 Report No. 203

Stands	REMARKS	Time			
		Start	Stop	Interval	
12844	RECOVER CORE # 6	1200	1230	1/2	
Singles					
1203558	RIG SERVICE	1230	1245	3/4	
D. Collars					
61520	SERVICE CORE BARREL	1245	1.15	1/2	
Other Ft.					
6595	R. I. H	1.15	200	3/4	
C. B. Ft.					
1082	SLIP DRAG LINE	200	230	1/2	
Subst. Ft.					
570	R. I. H w/ CORE # 7	230	500	2 1/2	
Ft. Down On Kelly					
	CIRC BTM'S UP	500	645	1 3/4	
TOTAL	CUT CORE # 7	645	800	1 1/4	
Next Slip					8
350					

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>R DREWNIAK</u>	8
Derrick <u>L PERRAS</u>	8
Motor <u>L CHEESEMAN</u>	8
Floor <u>D DANIELS</u>	8
Floor <u>D WIEREMCZUK</u>	8

Accidents NIL
 Outside Temp. 710
 Weather Conditions WINDY
 Road Conditions GOOD

Stands	REMARKS	Time			
		Start	Stop	Interval	
129	CUT CORE # 7	9 00	12 30	1 1/2	
Singles					
1206651	RIG SERV ✓ PIPE RAMS	12 30	12 45	1/4	
D. Collars					
61520	CUT CORE # 7	12 45	4:00	3 1/4	
Other Ft.					
10.82					
C. B. Ft.					
6595					
Subst. Ft.					
570					
Ft. Down on Kelly					
21082					
TOTAL					
12786					
Next Slip					

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>DAVE DEBAGOVICH</u>	12
Derrick <u>JOHN PAISH</u>	12
Motor <u>MIKE HANDLETT</u>	12
Floor <u>JOHN STANCHFIELD</u>	12
Floor <u>GRANT PAILE</u>	12
Floor <u>FRED ALCHENRACH</u>	12

Accidents NIL
 Outside Temp. +14°C
 Weather Conditions WINDY + CLOUDY
 Road Conditions GOOD

Stands	REMARKS	Time			
		Start	Stop	Interval	
129	CUT CORE # 7	11 00	5 15	1 1/4	
Singles					
1206651	CIRC	5 15	9 30	4 1/4	
D. Collars					
61520	P. O. H w/ CORE # 7	9 30	11 43	2 1/4	
Other Ft.					
1082	RIG SERV	11 45	12 00	1/4	
C. B. Ft.					
6595					
Subst. Ft.					
570					
Ft. Down on Kelly					
2182					
TOTAL					
12789					
Next Slip					8
350					

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>R DREWNIAK</u>	4
Derrick <u>L PERRAS</u>	4
Motor <u>L CHEESEMAN</u>	4
Floor <u>D DANIELS</u>	4
Floor <u>D WIEREMCZUK</u>	4

Accidents NIL
 Outside Temp. +10
 Weather Conditions WINDY
 Road Conditions GOOD

Toolpusher R. Kane
 Approved by R. Kane

Toolpusher R. Kane
 Approved by R. Kane

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE OCT 12 1977

Rig No. 9 Report No. 202

H 38

E	Stands	REMARKS	Time		
			Start	Stop	Interval
	128*	P.O.H.	1200	1230	1/2
	Singles				
	1200435	PICK UP CORE BARREL R I H	1230	130	1
	D. Collars				
	615.20	CUT + SHIP DRAG LINE	130	200	1/2
	Other Ft.				
	65.95	R I H	200	445	2 3/4
	C.B. Ft.				
	10.82	RIG SERV	445	500	1/4
	Subs. Ft.				
	5.70	CIRC BTM VP	500	630	1 1/2
	Ft. Down On Kelly				
	9.98	CUT CORE # 6	630	800	1 1/2
	TOTAL				
	12712				
	Next Slip				
		B.L.M. - 12710			
		BOARD - 12708 - 2' DIFF			

With Pipe Without Pipe Standby

DE	Stands	REMARKS	Time		
			Start	Stop	Interval
	128**	CUT CORE # 6	8:00	9:30	1 1/2
	Singles				
	12035.58	RIG SERV	9:30	10:00	1/2
	D. Collars				
	615.20	REPAIR HIGH PRESS. MUD LINE	10:00	11:45	1 3/4
	Other Ft.				
	10.82	CUT CORE # 6	11:45	4:00	4 1/4
	C.B. Ft.				
	65.95				
	Subs. Ft.				
	5.70				
	Ft. Down On Kelly				
	11.75				
	TOTAL				
	12745				
	Next Slip				

With Pipe Without Pipe Standby

DE	Stands	REMARKS	Time		
			Start	Stop	Interval
	128**	CUT CORE # 6	4:00	6:30	2 1/2
	Singles				
	12035.58	CIRC.	6:30	8:00	1 1/2
	D. Collars				
	615.20	P.O.H. w/ CORE # 6	8:00	11:45	3 3/4
	Other Ft.				
	10.82	RIG SERV	11:45	12:00	1/4
	C.B. Ft.				
	65.95				
	Subs. Ft.				
	5.70				
	Ft. Down On Kelly				
	21.75				
	TOTAL				
	12755				
	Next Slip				

With Pipe Without Pipe Standby

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>R DREWNIAK</u>	8
Derrick <u>L PERRAS</u>	8
Motor <u>L CHEESEMAN</u>	8
Floor <u>D DANIELS</u>	8
Floor <u>D WEREMCZUK</u>	8

Accidents _____
 Outside Temp. _____
 Weather Conditions CLOUDY + RAIN
 Road Conditions SLIPPERY

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>DAVE DEBONICA</u>	12
Derrick <u>TOM PAISH</u>	12
Motor <u>MIKE HAMBLETT</u>	12
Floor <u>DON STANFIELD</u>	12
Floor <u>GRANT PRICE</u>	12
Floor <u>FRED ACHENBACH</u>	12

Accidents NIL
 Outside Temp. +15°C
 Weather Conditions WINDY + CLOUDY
 Road Conditions FAIR

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>R DREWNIAK</u>	4
Derrick <u>L PERRAS</u>	4
Motor <u>L CHEESEMAN</u>	4
Floor <u>D DANIELS</u>	4
Floor <u>D WEREMCZUK</u>	4

Accidents _____
 Outside Temp. WINDY
 Weather Conditions CLOUDY
 Road Conditions _____

Pipe Rack _____ Total Contractor Time _____ Hrs Toolpusher R. H. ...
 Total Company Time _____ Hrs. Approved by H. ...

DATE **OCTOBER 11 1977**

NABORS DRILLING LIMITED

NOTE: Do N

Rig No. **9** Page No. **201**

LOCATION **Columbia Gas & Air Katoweelee 4T-4-30**

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.							
12620	53	12672	7 3/4		20	6 1/4	2 3/8	37							
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
I	81	8 1/2	F 4	3-14	806 KP			12510			4 3/4				585 20
S															35 53
MUD					Additives				At Surveys Degree	MOTOR HOURS		Oil Added			C B Ft
WEIGHT					LIME 12 SKS					1					Subs. Ft.
VISCOSITY					MILGARD 16 SKS					2					1
GEL					KCL 52 SKS					3					Ft. Down On Kelly
P					LUBRICANT 3 SKS UNICORN 2 SKS					Light Plant					TOTAL
U					AUSTIN 8 SKS					BOILER HRS.		8			
M					Size TRIPS No. Lines TON MILES TOTAL MILES				Slip	Feet or	Cut	Feet Left on Spool	Next Slip		
P					1 3/8 3/4 10 1600										
S					Casing Record Surface Prod.										
W.L.					F.C. 2 pH 10.5 Solids 9%				Cement						With Pipe

Rig Serv 4
DRILL
585 20
35 53
Subs. Ft. 1
Ft. Down On Kelly
TOTAL
BOILER HRS. 8
Feet Left on Spool
Next Slip
SERVICED
10 on Rig
With Pipe

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.							
12673	35	12708	6	267	20	6 1/4	2 3/8								
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
I	81	8 1/2	F 4	3-14	806 KP	35	55	12510	12708	198					585 20
S															35 53
MUD					Additives				At Surveys Degree	MOTOR HOURS		Oil Added			C B Ft
WEIGHT					MIX 4950 - 50#					1		8			Subs. Ft.
VISCOSITY										2		8			1.70
GEL										3		8			Ft. Down On Kelly
P										Light Plant		8			TOTAL
U										BOILER HRS.		8			12708
M					Size TRIPS No. Lines TON MILES TOTAL MILES				Slip	Feet or	Cut	Feet Left on Spool	Next Slip		
P					1 3/8 3/4 10 1600										
S					Casing Record Surface Prod.										
W.L.					F.C. pH 10.5 Solids				Cement						With Pipe

129
Singles
12066.71
585 20
35 53
Subs. Ft. 1.70
Ft. Down On Kelly 19 36
TOTAL
BOILER HRS. 8
Feet Left on Spool
Next Slip
DRIL 8 1/2
RIG SERV
DRIL 8 1/2
CIRC BT
With Pipe

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.							
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
I															
S															
MUD					Additives				At Surveys Degree	MOTOR HOURS		Oil Added			C B Ft
WEIGHT									12708	8					Subs. Ft.
VISCOSITY										1		8			12069.3
GEL										2		8			12066.5
P										3		8			2.7
U										Light Plant		8			
M					Size TRIPS No. Lines TON MILES TOTAL MILES				Slip	Feet or	Cut	Feet Left on Spool	Next Slip		
P					1 3/8 3/4 10										
S					Casing Record Surface Prod.										
W.L.					F.C. pH Solids				Desander Hours		Dewater Hours				With Pipe

129
Singles
12066.71
585 20
35 53
Subs. Ft. 1.70
Ft. Down On Kelly 19 36
TOTAL
BOILER HRS. 8
Feet Left on Spool
Next Slip
DRIL SURV
TRIP OUT -
TRIP TO PUM
TRIP OUT -
MIX COG 80
TRIP OUT
12069.3
12066.5
2.7
With Pipe

Totco Ring on Bit No D.P. Calipered Date Results From Pipe Rock Total Cont
B.O.P. Test-Operated Time Results Total Comp

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE OCTOBER 10 1977

Rig No 9 Report No 204

	REMARKS	Time		
		Start	Stop	Interval
Stands	4T-H-30 Rig Serv & 1 Kern Over DRILL 8 1/2 HOLE	0000	0015	1/4
Singles		0015	0800	7 3/4
D. Collars				8
Other Ft.				
C.B. Ft.				
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				
Next Slip	SERVING FIRE FITTING SUPPLIES 10 ON RIG			

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>MEL SVINGEN</u>	8
Derrick <u>BOB LOGAN</u>	8
Motor <u>MORLEY FOSS</u>	8
Floor <u>DAVE CHURCH</u>	8
Floor <u>ALBERT GUTSCHE</u>	8
Floor <u>RAY RAYMOND</u>	8

Accidents HEAD HAT GUTSCHE
 Outside Temp. -1 WORKS HIS
BI-FOCALS
 Weather Conditions
 Road Conditions

	REMARKS	Time		
		Start	Stop	Interval
Stands	DRILL 8 1/2 HOLE	800	1215	4 1/4
Singles		1215	1230	1/4
D. Collars				
Other Ft.				
C.B. Ft.				
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				
Next Slip				

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>R DREWNIAK</u>	8
Derrick <u>I PERAAS</u>	8
Motor <u>I CHEESEMAN</u>	8
Floor <u>D DANIELS</u>	8
Floor <u>D WAREMIZUK</u>	8
Floor <u>C MAMULA</u>	8

Accidents
 Outside Temp. +4
 Weather Conditions SNOW
 Road Conditions GOOD

	REMARKS	Time		
		Start	Stop	Interval
Stands	DEEP SURVEY	4:00	4:15	1/4
Singles		4:15	5:45	1 1/2
D. Collars				
Other Ft.				
C.B. Ft.				
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				
Next Slip				

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>DAVE OSTERMICH</u>	8
Derrick <u>JOHN TALSM</u>	8
Motor <u>MIKE HAMBLETT</u>	8
Floor <u>DAVE STARCHFIELD</u>	8
Floor <u>GRANT PRICE</u>	8
Floor <u>FRED ACHUMBACH</u>	8

Accidents
 Outside Temp.
 Weather Conditions
 Road Conditions

Pipe Rack Total Contractor Time Hrs. Toolpusher Bob Krawinkel Toolpusher Bob Krawinkel
 Total Company Time Hrs. Approved by [Signature] Approved by

DATE OCTOBER 10 1977
THURS GAINING

NABORS DRILLING LIMITED

NOTE: Do Not

Rig No. 9 Page No. 200

LOCATION Columbia Gas Co. Katonahoee 47-H 38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS			FUEL	WATER	CRUDE	Stands		
					No.	O.D.	I.D.					Wgt.	
12480	30	12510	9 1/4	266	20	6 1/4	2 3/8	40	FUEL		127 Singles 11786.57 D. Collars 615.20 Other Ft. 65.95 C.B. Ft. 10.82 Subs. Ft. 5.70 Ft. Down on Kelly 25.76 TOTAL 12510		
MUD			12 a.m.	2 a.m.	4 a.m.	6 a.m.	Additives		At Surveys Degree	MOTOR HOURS	Oil Added		
WEIGHT			10.0						1				
VISCOSITY			12						2				
GEL			1 1/8										
P	No. 1	Pressure							Light Plant	BOILER HRS.	8		
	Model	S.P.M.											
U	No. 1	Liner Size	6 1/4 x 1 1/8		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
	No. 2	Pressure	1250										
M	Model	S.P.M.	46		Casing Record	Surface							
	No. 2	Liner Size	6 1/4 x 1 1/8			Prod.							
W.L.			F.C.	pH	Solids	Cement							

Cut Core
 Rig Serv
 Hrs 1 1/2
 10 82
 5 70
 25.76
 12510
 With Pipe

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS			FUEL	WATER	CRUDE	Stands		
					No.	O.D.	I.D.					Wgt.	
12510	20	12530	1 1/4	266	20	6 1/4	2 3/8				127 Singles 11879.81 D. Collars 585.20 Other Ft. 35.53 C.B. Ft. Subs. Ft. 1.70 Ft. Down on Kelly 27.76 TOTAL 12530		
MUD			8 a.m.	10 a.m.	12 p.m.	2 p.m.	Additives		At Surveys Degree	MOTOR HOURS	Oil Added		
WEIGHT									1	8			
VISCOSITY									2	8			
GEL									3	8			
P	No. 1	Pressure	1200		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
	Model	S.P.M.	60										
U	No. 1	Liner Size	5 1/2 x 1 1/8		Casing Record	Surface							
	No. 2	Pressure	13			Prod.							
M	Model	S.P.M.	17 DE CASSEK		Water Truck Hours								
	No. 2	Liner Size	6 1/4 x 1 1/8		Desilter Hours								
W.L.			F.C.	pH	Solids	Cement							

RECOVER COR
 SERVICE COR
 RIG SERV
 R.L.H. w/ BIT
 SLIP DRAG
 R.L.H.
 REAM RAT
 DRAG 8 1/2 H
 With Pipe

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS			FUEL	WATER	CRUDE	Stands		
					No.	O.D.	I.D.					Wgt.	
12530	30	12620	7 1/4	266	20	6 1/4	2 3/8				128 Singles 11972.85 D. Collars 585.20 Other Ft. 35.53 C.B. Ft. Subs. Ft. 1.70 Ft. Down on Kelly 1.22 TOTAL 12620		
MUD			4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives		At Surveys Degree	MOTOR HOURS	Oil Added		
WEIGHT			10.1		10.1		10.0		1				
VISCOSITY			41		49		113		2				
GEL			1 1/8						3				
P	No. 1	Pressure	1200		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
	Model	S.P.M.	60										
U	No. 1	Liner Size	5 1/2 x 1 1/8		Casing Record	Surface							
	No. 2	Pressure	13			Prod.							
M	Model	S.P.M.	DE CASSEK		Water Truck Hours								
	No. 2	Liner Size	6 1/4 x 1 1/8		Desilter Hours								
W.L.			F.C.	pH	Solids	Cement							

DRAG 8 1/2 H
 RIG SERV
 DRAG 8 1/2 H
 With Pipe

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Contractor
 B.O.P. Test-Operated Time Results Total Company

WORK RECORD

DATE OCTOBER 10 1977

NOTE: Do Not Record Payroll Information Here

H-38

Rig No. 9 Report No. 200

REMARKS	Time			
	Start	Stop	Interval	
Stands 127 Singles 4786.57 D. Collars 615.20 Other Ft. 65.95 C.B. Ft. 10.82 Subs. Ft. 5.70 Ft. Down On Kelly 25.76 TOTAL 12510 Next Slip	Cut Core #5	0000	0915	4 1/4
	RIG SERV & (Crown Saver)	0915	0930	1/4
	Horst loss #5, & Pick up 1 single	0930	0900	3 1/4
				8

Tour — Midnight - 8 a.m.		
Specify actual hours worked.		Hrs.
Driller	MEL SWINGEN	8
Derrick	BOB LOGAN	8
Motor	MURLEY FOSS	8
Floor	DAVE CHURCH	8
Floor	HELMUT GUTSCHE	8
Floor	FL RAY RALLON	8

Accidents NIL
 Outside Temp. -1
 Weather Conditions WINDY
 Road Conditions GOOD

REMARKS	Time			
	Start	Stop	Interval	
Stands 127 Singles 11879.81 D. Collars 585.20 Other Ft. 35.53 C.B. Ft. Subs. Ft. 1.70 Ft. Down on Kelly 27.76 TOTAL 12530 Next Slip	RECOVER CORE	800	915	1 1/4
	SERVICE CORE BARREL & LAY DOWN	915	945	1/2
	RIG SERV	945	1000	1 1/4
	R.L.H. w/ BIT	1000	1030	1/2
	SLIP DRAG LINE	1030	1115	3/4
	R.L.H.	1115	215	3
	REAM RAT HOLE	215	245	1/2
	DRAG 8 1/2 HOLE	245	400	1 1/4
				8

Tour — 8 a.m. to 4 p.m.		
Specify actual hours worked.		Hrs.
Driller	R. DREWNIAK	12
Derrick	L. PERAS	12
Motor	L. CHEESEMAN	12
Floor	D. DANIELS	12
Floor	D. WIERMIGZUK	12
Floor	C. MUMMELA	12

Accidents NIL
 Outside Temp.
 Weather Conditions WARM & SUNNY
 Road Conditions GOOD

REMARKS	Time			
	Start	Stop	Interval	
Stands 128 Singles 11972.85 D. Collars 685.20 Other Ft. 35.53 C.B. Ft. Subs. Ft. 1.70 Ft. Down on Kelly 24.22 TOTAL 12620 Next Slip	DRAG 8 1/2 HOLE	400	700	3
	RIG SERV	700	715	1/4
	DRAG 8 1/2 HOLE	715	1200	4 1/4
				8

Tour — 4 p.m. to Midnight		
Specify actual hours worked.		Hrs.
Driller	MEL SWINGEN	4
Derrick	BOB LOGAN	4
Motor	MURLEY FOSS	4
Floor	DAVE CHURCH	4
Floor	HELMUT GUTSCHE	4
Floor	FL RAY RALLON	4

Accidents NIL
 Outside Temp. 0
 Weather Conditions CLEAR
 Road Conditions COUNTRY ROADS

Pipe Rack Total Contractor Time Hrs. Toolpusher [Signature] Toolpusher [Signature]
 Total Company Time Hrs. Approved by [Signature] Approved by [Signature]

DATE OCTOBER 9 1977

NABORS DRILLING LIMITED

NOTE: Do No

Rig No. 9 Page No 199

LOCATION Columbia Gas 11-38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands				
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal.					
12335	115	12450	7 1/4	265	20	6 1/4	2 1/8	37	46			127 Singles 11786.57 Bbls				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Fr Reamed	Hrs.	COND.	D. Collars	
I	81	8 1/2	F4	3-14	806 KP	35	55	12320	12450	130	9 1/4				525.20	
T															Other Ft.	
S															35.53	
MUD			12 am	2 am	4 am	6 am	Additives			At Surveys Degree	MOTOR HOURS		Oil Added			
WEIGHT			99	93	100	101	NAPCOEN 2 SKS				1	8				
VISCOSITY			39	39	36	34	UT MAT 2L SKS				2	8				
GEL			1/9				KAL 3 SKS				3	8				
P	No.	Pressure	1150			LIME 8 SKS			LEMA 15.5		Light	8				
U	Model	S.P.M.	51			STABLO 3 SKS			MILGARD 9 SKS	BOILER HRS	8					
M	No. 1	Liner Size	5 1/2 x 14			Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Ship	Feet or	Cut	Feet Left on Spool	Next Slip	
P	No. 2	Pressure	1 1/2			10	800	800						1460		
S	Model	S.P.M.	6 1/2 x 15			Casing Record	Surface Prod.									
W.L.			FC	pH	95	Solids	85	Cement								

Rig Serv &
Drill 8 1/2
Subs Ft. 1.70
Ft. Down On Kelly 41
TOTAL 127.0
Next Slip 1460

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands				
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal.					
12450				265	20	6 1/4	2 1/8					127 Singles 11786.57 Bbls				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Fr Reamed	Hrs.	COND.	D. Collars	
I	81	8 1/2	FH	3-14	806 MP	35	-	12320	12450	130	9 1/4				525.20	
T															Other Ft.	
S															35.53	
MUD			8 am	10 am	12 pm	2 pm	Additives			At Surveys Degree	MOTOR HOURS		Oil Added			
WEIGHT							Morgan 50#			12450	114	1	8			
VISCOSITY							GEL 2300				2	8				
GEL											3	8				
P	No.	Pressure	1150							Light	8					
U	Model	S.P.M.	59			TRIP			BOILER HRS	8						
M	No. 1	Liner Size	5 1/2 x 14			Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Ship	Feet or	Cut	Feet Left on Spool	Next Slip	
P	No. 2	Pressure	1 1/2			10	800	1124						1400		
S	Model	S.P.M.	4 1/2 x 15			Casing Record	Surface Prod.									
W.L.			FC	pH		Solids		Cement								

With Pipe
CIRC BTM
DROPPED S
P.O.H. LAY
Assembly & T
Rig Serv
Pick up cas
R.H. w/ c

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands				
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal.					
12480	30	12480	3 1/2	265	21	6 1/4	2 1/8					127 Singles 11459.18 Bbls				
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Fr Reamed	Hrs.	COND.	D. Collars	
I	80	6 3/4	MC30	02D	7067	29	65	12450	12480	30	3 1/2				615.20	
T															Other Ft.	
S															62.95	
MUD			4 pm	6 pm	8 pm	10 pm	Additives			At Surveys Degree	MOTOR HOURS		Oil Added			
WEIGHT							NO. 1				1	8				
VISCOSITY							43, 40, 41				2	8				
GEL											1	8				
P	No.	Pressure	1200							Light	8					
U	Model	S.P.M.	34						BOILER HRS	8						
M	No. 1	Liner Size	5 1/2 x 14			Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Ship	Feet or	Cut	Feet Left on Spool	Next Slip	
P	No. 2	Pressure	1 1/2			21	1000	1000								
S	Model	S.P.M.	4 1/2 x 15			Casing Record	Surface Prod.									
W.L.			FC	pH		Solids		Cement								

With Pipe
R.H. w/ c
KLY SERV.
CIRC BTM
Cut Core

Tool Ring on Bit No. _____ D.P. Cased Date _____ Results _____ From Pipe Rack _____
B.O.P. Test Operator: _____ Time _____ Results _____

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE October 9 1977

Rig No 9 Report No 199

REMARKS	Time		
	Start	Stop	Interval
Stands 127 Singles 11786.57 D. Collars 585.20 Other Ft. 35.53 C.B. Ft.	Rig Serv & 1/4 Hydrol Drill 8 1/2 Hole	0000 0015 0015 0800	1/4 7 1/4 <u>8</u>
Subs. Ft. 1.70 Ft. Down On Kelly 41.40 TOTAL 12.30 Next Slip 1400	CHANGES Made 1/4 Hydrol FW Side		

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>MEL SWINGEN</u>	8
Derrick <u>BOB LOGAN</u>	8
Motor <u>MONKEY FOSS</u>	8
Floor <u>DAVE CHURCH</u>	8
Floor <u>HOLMUT GUTSCHE</u>	3
Floor <u>EL RAY KALLON</u>	8

Accidents NIL
 Outside Temp -3
 Weather Conditions CLEAR
 Road Conditions GOOD

REMARKS	With Pipe	Without Pipe	Standby	
Stands 127 Singles 11786.57 D. Collars 585.20 Other Ft. 35.53 C.B. Ft.	CIRC BTM ^s UP DROPPED SURVEY C 12450 P.O.H LAY DOWN BTM 4 1/2 ASSEMBLY & TWO SAMPLES RIG SERV & BLIND RAMS		800 915 915 930 930 ? 230	1 1/4 1/4 5 1/4
Subs. Ft. 1.70 Ft. Down on Kelly HL TOTAL 124500 Next Slip 1400	PICK UP CORE BARREL * MAKE 12 R I H w/ CORE BARREL		245 315 315 400	1/2 3/4 <u>8</u>

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>R DREWNIAK</u>	12
Derrick <u>L PERRAS</u>	12
Motor <u>L CHRESEMAN</u>	12
Floor <u>D DANIELS</u>	12
Floor <u>D WEREMCZUK</u>	12
Floor <u>C TRAMELA</u>	12

Accidents
 Outside Temp.
 Weather Conditions WARM
 Road Conditions GOOD

REMARKS	With Pipe	Without Pipe	Standby	
Stands 127 Singles 11459.18 D. Collars 615.20 Other Ft. 65.95 C.B. Ft. 10.82 Subs. Ft. 5.70 Ft. Down on Kelly 26.82 TOTAL	R I H w/ CORE BARREL RIG SERV CIRC BTM ^s & P.O.H. Bore Cut Core # 5		400 545 545 600 600 830 830 1200	1 3/4 1/4 2 1/2 3 1/2 <u>8</u>

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>MEL SWINGEN</u>	4
Derrick <u>BOB LOGAN</u>	4
Motor <u>MONKEY FOSS</u>	4
Floor <u>DAVE CHURCH</u>	4
Floor <u>HOLMUT GUTSCHE</u>	4
Floor <u>EL RAY KALLON</u>	4

Accidents NIL
 Outside Temp. 0
 Weather Conditions CLEAR
 Road Conditions GOOD

Pipe Rack _____ Total Contractor Time _____ Hrs. Total pushed by [Signature]
 Total Company Time _____ Hrs. Approved by [Signature]

DATE **October 8 1977**

NABORS DRILLING LIMITED

NOTE: Do Not

Rig No. **9** Page No. **198**

LOCATION **Columbia Gas H-38**

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands														
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Cut											
12260	20	12285	2 1/4	268	22	6 1/4	3 3/4	40		56"	124 YR 1256931															
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs	Ft Reamed	Hrs	COND	D. Collars 165 20 165 45 1082 570 1792											
I	8 1/2	MC20			7E076	17	65	12260	12285	25	3/4															
T															C.B. Ft. Jars 1082 570 1792											
S																										
MUD				12 am 2 am 4 am 6 am	Additives				At Surveys Degree		MOTOR HOURS		Oil Added		Subs. Ft. 570 1792											
WEIGHT				106100				W/OXYGEN		15K				TOTAL 10285												
VISCOSITY				36 35																						
GEL																										
P				No. 1 Pressure	1180						Light Plant															
U				Mode	S.P.M.						BOILER HRS.															
M				No. 2 Pressure	5 1/2 x 18				1 3/4		1/2		10		200		200		20 1/4		80 6"		9		1400	
S				Model	S.P.M.				Casing Record		Surface		Prod.													
W.L.				F.C.	pH				Solids				Cement				With Pipe									

SWIP & C...
RIG SERV...
TAG BOTTOM...
CUT COR...
P.O.H. inf
RIG SERV
P.O.H.

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands								
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Cut					
12285	35	12320	3 1/2	68	21	6 1/4	2 3/4				1259946									
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs	Ft Reamed	Hrs	COND	D. Collars 615 20 6595					
I	8 1/2	MC20			7E067	19	65	12260	12320	60	6 1/4									
T															C.B. Ft. 1052 570 2237					
S																				
MUD				8 am 10 am 12 pm 2 pm	Additives				At Surveys Degree		MOTOR HOURS		Oil Added		Subs. Ft. 570 2237					
WEIGHT										8										
VISCOSITY				3						8										
GEL										8										
P				No. 1 Pressure							Light Plant									
U				Mode	S.P.M.						BOILER HRS		8							
M				No. 2 Pressure	5 1/2 x 14				1 3/4		10				1400					
S				Model	S.P.M.				Casing Record		Surface		Prod.							
W.L.				F.C.	pH				Solids				Cement				With Pipe			

CUT COR...
P.O.H. inf
RIG SERV
P.O.H.

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands								
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Cut					
12320	15	12335	1 1/2	265	20	6 1/4	2 1/4				1692 13									
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs	Ft Reamed	Hrs	COND	D. Collars 585 20					
I	8 1/2	FH		3-14	806KP	30	55	12320	12335	15	1 1/2									
T															C.B. Ft. 2553 170 1944					
S																				
MUD				4 pm 6 pm 8 pm 10 pm	Additives				At Surveys Degree		MOTOR HOURS		Oil Added		Subs. Ft. 170 1944					
WEIGHT										8										
VISCOSITY										8										
GEL										8										
P				No. 1 Pressure							Light Plant									
U				Mode	S.P.M.						BOILER HRS		8							
M				No. 2 Pressure																
S				Model	S.P.M.				Casing Record		Surface		Prod.							
W.L.				F.C.	pH				Solids				Cement				With Pipe			

RECOVER...
CURE BARREL
LAL DOWN...
RIG SERV...
CURE RING

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Back Total Cost

B.O.P. Test Operated Time Results Total Cost

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE October 8 1977

Fig No 9 Report No 198

REMARKS	Time			
	Start	Stop	Interval	
Stands 124 YK Singles 125 1931 D. Collars 20 615 20 65 95 C.B. Ft. 5.20 10.82 Subs. Ft. 5.70 Ft. Down on Kelly 17.92 TOTAL 122.85 Next Slip 1400	SWIP & CUT DRIF LINE	0000	0030	1/2
RIG SERV SEE W/ BRACKS & (K) (M) (S) (V) (W)	0030	0045	1/4	
RUN W/ CORE BITS	0045	0245	2	
TAG BOTTOM & CURC OUT LOG	0245			
E DRIF BAR		4 45	2	
CUT CORE #4"	4 45	8 00	3 1/4	

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>MEL SUNGEN</u>	8
Derrick <u>BOE LOGAN</u>	8
Motor <u>MARVIN FOSS</u>	8
Floor <u>DAVE CHURCH</u>	8
Floor <u>HAROLD GUTSCHE</u>	8
Floor <u>RAY RALLO</u>	8

REMARKS	Time			
	Start	Stop	Interval	
Stands Singles 125 9976 D. Collars 615 20 Other Ft. 45 95 C.B. Ft. 10.82 Subs. Ft. 5.70 Ft. Down on Kelly 22.37 TOTAL 123.20 Next Slip 1400	CUT CORE 4 H.	8 00	11 30	3 1/2
SWIP & CUT DRIF LINE	0000	0030	1/2	
P.O.H. w/ CURC 4 H	11 30	12 00	1/4	
RIG SERV	12 00	12 15	1/4	
P.U.H.	12 15	4 00	3 3/4	

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>R. DREWNAH</u>	12
Derrick <u>L. PERRAS</u>	12
Motor <u>L. CHEESEMAN</u>	12
Floor <u>DAVIDS</u>	12
Floor <u>D. WAREMOUTH</u>	12
Floor <u>C. MAMMENT</u>	12

REMARKS	Time			
	Start	Stop	Interval	
Stands 13 Singles 586 D. Collars 20 586 Other Ft. 3553 C.B. Ft. 1.70 Subs. Ft. 1.70 Ft. Down on Kelly 19.44 TOTAL 123.35 Next Slip	RECOVER CORE & SERVICE	4 00		
CURE BARREL		5 45	1 3/4	
LAI DOWN CORE BARREL & PICK	5 45	6 30	3/4	
UP BIT MOUNT ASSEMBLY				
RIG SERV	6 30	6 45	1/4	
R.L.H. W/ BIT	6 45	9 30	2 3/4	
RECOVER CORE & SERVICE	9 30	10 30	1	
DRIF 8 1/2" HOLE	10 30	12 00	1 1/2	

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>MEL SUNGEN</u>	4
Derrick <u>BOE LOGAN</u>	4
Motor <u>MARVIN FOSS</u>	4
Floor <u>DAVE CHURCH</u>	4
Floor <u>HAROLD GUTSCHE</u>	4
Floor <u>RAY RALLO</u>	4

REMARKS	Time			
	Start	Stop	Interval	
DC 5149	CORR RING TOP D.C.	7 20		

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>MEL SUNGEN</u>	4
Derrick <u>BOE LOGAN</u>	4
Motor <u>MARVIN FOSS</u>	4
Floor <u>DAVE CHURCH</u>	4
Floor <u>HAROLD GUTSCHE</u>	4
Floor <u>RAY RALLO</u>	4

Pipe Rack	Total Contractor Time	Hrs. Toolpusher	<u>Earl Krause</u>	Total Hrs.	<u>Earl Krause</u>
	Total Company Time	Hrs. Approved by	<u>[Signature]</u>	Approved by	

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE OCTOBER 7 1977

Fig No 9 Report No 197

CRUDE	REMARKS	Time		
		Start	Stop	Interval
Stands Gal 123 X Singles Bbls 114472 OND. D. Collars 20 Other Ft. 65.95 C.B. Ft. Added Subs. Ft. 1.70 Ft. Down on Kelly 24.45 TOTAL 12094 et Left Spool Next Slip 1350 B, 3 DC	TOOL UP TOOL UP LAY DOWN CORE BOYS PICKUP BHA RUN IN DC SLIP 20' 4" LINE RUN IN HOLE RIG SERV & J PIG PANDA (COR) PANDA RAT HOLE DRILL 8 1/2" HOLE	12:00 1:00 2:00 2:15 2:15 4:15 4:30 5:15	1 2:00 2:15 4:15 4:30 8:00	1 1 1/4 2 1/4 3/4 2 3/4

With Pipe Without Pipe Standby

CRUDE	REMARKS	Time		
		Start	Stop	Interval
Stands Gal 124 X Singles Bbls 1156931 OND. D. Collars 20 Other Ft. 35.53 C.B. Ft. Added Subs. Ft. 1.70 Ft. Down on Kelly 32.26 TOTAL 12224 et Left Spool Next Slip 1350	DRIL 8 1/2" HOLE RIG SERV DRIL 8 1/2" HOLE	8:00 9:15 9:15 9:30 9:30 11:00	9:15 9:30 11:00	1 1/4 1/4 6 1/4

With Pipe Without Pipe Standby

CRUDE	REMARKS	Time		
		Start	Stop	Interval
Stands Gal 1159996 Singles Bbls 51 OND. D. Collars 20 Other Ft. 35.53 C.B. Ft. Added Subs. Ft. 1.70 Ft. Down on Kelly 37.61 TOTAL 11260 et Left Spool Next Slip	DRIL 8 1/2" HOLE CIRC BTMS V.P. DROPPED SURVEY 12260 - 6 1/2" P.O.H. LAY DOWN 2 SINGLES LAY DOWN BHA & PICK UP CORE BOYS & RUN IN DC RIG SERV	11:00 11:00 7:30 7:45 7:45 11:00 11:00 11:45	6:15 7:30 7:45 11:00 11:00 12:00 12:00	2 1/4 1 1/4 1/4 3 3/4 3/4 3/4 3/4

With Pipe Without Pipe Standby

Tour — Midnight - 8 a.m.		
Specify actual hours worked.		Hrs.
Driller	MEL SWINGEN	8
Derrick	BOB LOGAN	8
Motor	MARK FOSS	8
Floor	DAVE CHURCH	8
Floor	HELMUT GUTSCHE	8
Floor	FL RAY KALLON	8

Accidents NIL
Outside Temp. -3
Weather Conditions CLAR
Road Conditions ROAD OUT

Tour — 8 a.m. to 4 p.m.		
Specify actual hours worked.		Hrs.
Driller	R. DREWALIAK	12
Derrick	L. PERRAS	12
Motor	L. SHEREMAN	12
Floor	D. DANIKAS	12
Floor	D. WEREMCZYK	12
Floor	C. NAME A	12

Accidents 0
Outside Temp. 0
Weather Conditions FROSTY
Road Conditions GOOD

Tour — 4 p.m. to Midnight		
Specify actual hours worked.		Hrs.
Driller	MEL SWINGEN	4
Derrick	BOB LOGAN	4
Motor	MARK FOSS	4
Floor	DAVE CHURCH	4
Floor	HELMUT GUTSCHE	4
Floor	FL RAY KALLON	4

Accidents
Outside Temp.
Weather Conditions
Road Conditions

From Pipe Rack _____ Total Contractor Time _____ Hrs Toolpusher _____
Total Company Time _____ Hrs Approved by _____

DATE **6, 9** 1977
 Rig No. **9** Page No. **196**

NABORS DRILLING LIMITED

LOCATION **Columbia Gas H-38**

NOTE: Do Not

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.							
12040					1	6 1/4	2 3/8	40							
B	No. 1	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft Reamed	Hrs.	COND.	D. Collars
I	74	8 1/2	FP 62	2	237808	30	55	11890	12040	150	10 1/4				615.20
T	78	8 1/2	Q		7E067			12040							65.95
S															
MUD			12 a.m.	2 a.m.	4 a.m.	6 a.m.	Additives			At Surveys Degree	MOTOR HOURS		Oil Added		
WEIGHT															
VISCOSITY															
GEL															
P	No. 1	Pressure													
U	Model	S.P.M.													
M	Liner Size				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet on	Cut	Feet Left on Spool	Next Slip	
P	No. 2	Pressure													
S	Model	S.P.M.													
W.L.			F.C.	pH.	Solids	Cement									
12040	22	12062	3 1/2	163	21	6 1/4	2 3/8	40							
B	No. 1	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft Reamed	Hrs.	COND.	D. Collars
I	80	8 1/2	DM 62		7E067	16	65	12040	12062	22	3 1/2				615.20
T															65.95
S															
MUD			8 a.m.	10 a.m.	12 p.m.	2 p.m.	Additives			At Surveys Degree	MOTOR HOURS		Oil Added		
WEIGHT															
VISCOSITY															
GEL															
P	No. 1	Pressure													
U	Model	S.P.M.													
M	Liner Size				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet on	Cut	Feet Left on Spool	Next Slip	
P	No. 2	Pressure													
S	Model	S.P.M.													
W.L.			F.C.	pH.	Solids	Cement									
12062	2	12064	2 1/4	163	21	6 1/4	2 3/8	40							
B	No. 1	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft Reamed	Hrs.	COND.	D. Collars
I	80	8 1/2	DM 62		7E067	19	65	12040	12064	24	5 3/4				615.20
T															65.95
S															
MUD			4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives			At Surveys Degree	MOTOR HOURS		Oil Added		
WEIGHT															
VISCOSITY															
GEL															
P	No. 1	Pressure													
U	Model	S.P.M.													
M	Liner Size				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet on	Cut	Feet Left on Spool	Next Slip	
P	No. 2	Pressure													
S	Model	S.P.M.													
W.L.			F.C.	pH.	Solids	Cement									

Rig Serv & L
 DRIP SURVEY
 HOIST & LAY D
 LOCK UP COM
 RUN DC & FABRI
 CLIMB TOWER C
 SUMP 20" LI
 PULL IN HALL

With Pipe

R.I.H. of c
 RIG SERV
 CICK OUT G
 CUT CORE

With Pipe

CUT CORE #
 RIG SERV
 CUT CORE #2
 P.O.H. w/ G
 RECOVER COR
 CLIMB TOWER

With Pipe

RECOVER COR
 LET 6 A
 12064

With Pipe

DATE OCTOBER 5 1977

NABORS DRILLING LIMITED

NOTE: Do Not R

Rig No 9 Page No 195

LOCATION Columbia Gas H-38

REM

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands		
					No.	O.D.	I.D.	Wgt.						
11890	11895	5	1	260	21	6 1/4	2 3/8	40				120		
No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Flg.	Hrs.	Ft Reamed	Hrs	COND.	Stands
79	8 1/2	FP 62	3-11	237808	25	50	11890	11895	S	1				120
MUD												11229.50		
WEIGHT												170		
VISCOSITY												170		
GEL												13.07		
MOTOR HOURS												11895		
At Surveys Degree														
Oil Added														
Subs Ft														
Ft Down on Kelly														
C.B. Ft														
Boiler Hrs														
Slip														
Feet Left on Spool														
Next Slip														

HOIST & LAYO
BICK UP BHA, P
SLIP 20' D
H.C. S...
K...
1...
D... 8 1/2 H

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands		
					No.	O.D.	I.D.	Wgt.						
11895	58	11953	4	261	21	6 1/4	2 3/8	40				120 x		
No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Flg.	Hrs.	Ft Reamed	Hrs	COND.	Stands
79	8 1/2	FP 62	3-11	237808	25	60	11890	11953	63	5				112611
MUD												112611		
WEIGHT												170		
VISCOSITY												170		
GEL												13941		
MOTOR HOURS												11953		
At Surveys Degree														
Oil Added														
Subs Ft														
Ft Down on Kelly														
C.B. Ft														
Boiler Hrs														
Slip														
Feet Left on Spool														
Next Slip														

CIRC. GAS. MICA
BUY DEGRASSER
CIRC. COMPACT
DRAG 8 1/2 HO

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands		
					No.	O.D.	I.D.	Wgt.						
11953	87	12040	3 3/4	261	21	6 1/4	2 3/8	40				121 1/2		
No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Flg.	Hrs.	Ft Reamed	Hrs	COND.	Stands
79	8 1/2	FP 62	3-11	237808	25	60	11890	12040	150	10 1/2				11553
MUD												11553		
WEIGHT												170		
VISCOSITY												170		
GEL												13.22		
MOTOR HOURS												12040		
At Surveys Degree														
Oil Added														
Subs Ft														
Ft Down on Kelly														
C.B. Ft														
Boiler Hrs														
Slip														
Feet Left on Spool														
Next Slip														

DRAG 8 1/2 HO
RIG SERV
DRAG 8 1/2 HO
CIRCULAR

Ring on Bit No _____ DP Calipered Date _____ Results _____ From Eye bank _____ Total Contact _____
Test Operated _____ Time _____ Results _____ _____ Total _____

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE **OCTOBER 5** 1977

88

Rig No. **9** Report No. **195**

DE	Stands	REMARKS	Time		
			Start	Stop	Interval
Gal	120	HOIST & LAY DOWN TEST TOOLS	0000	0030	3/4
Singles	11229.50	BICK UP BHA, JARS RUN DC	0230	0400	1 1/2
D. Collars	615.30	SUP 20' 2" DASH LINE	0400	0415	1/4
Other Ft.	3553	PICK UP 1 CROWN SPACE	0415	0430	1/4
C.B. Ft.		Run in hole	0430	0645	2 1/4
Subs. Ft.	170	PAK DRG & CTG 1' FILE	0645	0700	1/4
Ft. Down on Kelly	13.07	DRILL 1/2" HOLE	0700	0800	1
TOTAL	11953				

Tour — Midnight - 8 a.m.		
Specify actual hours worked.		Hrs.
Driller	MEL SWINGEN	8
Derrick	BOB LOGAN	8
Motor	MORLEY FOSS	8
Floor	DAVE CHURCH	8
Floor	HELMUT GUTSCH	8
Floor	RAY RALOW	8

Accidents **NIL**
 Outside Temp. **3**
 Weather Conditions **CLEAR**
 Road Conditions **OK**

DE	Stands	REMARKS	Time		
			Start	Stop	Interval
Gal	120 X	CIRC. GAS MICK THROUGH PWR. 800			
Singles	112616	BUY DEGASSER		1045	1 3/4
D. Collars	615.20	CIRC. COMPART. CIRCULATION	1045	1200	1 1/4
Other Ft.	3553	DRIL 8 1/2" HOLE	1200	400	4
C.B. Ft.					
Subs. Ft.	170				
Ft. Down on Kelly	39.41				
TOTAL	11953				

Tour — 8 a.m. to 4 p.m.		
Specify actual hours worked.		Hrs.
Driller	R. DREWNIAK	12
Derrick	L. PERRAS	12
Motor	L. CHEREMAN	12
Floor	D. DANIELS	12
Floor	D. WIEREMSZIK	12
Floor	C. WAMELA	12

Accidents
 Outside Temp. **5**
 Weather Conditions **CLEAR**
 Road Conditions **GOOD**

DE	Stands	REMARKS	Time		
			Start	Stop	Interval
Gal	121 X	DRIL 8 1/2" HOLE	1100	415	1/4
Singles	11553.35	RIG SERV	415	430	1/4
D. Collars	615.20	DRIL 8 1/2" HOLE	430	1000	5 1/2
Other Ft.	3553	CIRCULATE	1000	1200	2
C.B. Ft.					
Subs. Ft.	170				
Ft. Down on Kelly	32.00				
TOTAL	12040				

Tour — 4 p.m. to Midnight		
Specify actual hours worked.		Hrs.
Driller	MEL SWINGEN	4
Derrick	BOB LOGAN	4
Motor	MORLEY FOSS	4
Floor	DAVE CHURCH	4
Floor	HELMUT GUTSCH	4
Floor	RAY RALOW	4

Accidents **NIL**
 Outside Temp. **-1**
 Weather Conditions **CLEAR**
 Road Conditions **TEXAS P&W FUNDISHAW**

Total Contractor Time _____ Hrs. Toolpusher **Paul T. [Signature]**
 Total Company Time _____ Hrs. Approved by **[Signature]**

DATE Oct 4 1977
 Rig No 9 Page No 174

NABORS DRILLING LIMITED

NOTE: Do Not

LOCATION CUM GAS STAL KOTANE LEE JT H-38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands					
					No.	O.D.	I.D.	Wgt.									
11890					20	6 1/4	2 3/4	37									
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Fig.	Hrs.	Ft Reamed	Hrs.	COND	D. Collars		
I																	
T																	
S																	
MUD			12 a.m.	2 a.m.	4 a.m.	6 a.m.	Additives			At Surveys Degree	MOTOR HOURS		Oil Added	Stands			
WEIGHT														Singles			
VISCOSITY														D. Collars			
GEL														Other Fr.			
P	No.	Pressure											Light Plant	COND	Other Fr.		
U	Model	S.P.M.											BOILER HRS	TOTAL	Other Fr.		
M	Liner Size		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Sip	Feet	Cut	Feet Left on Spool	Next S.p.	Other Fr.				
P	No. 2	Pressure													Other Fr.		
S	Model	S.P.M.													Other Fr.		
Casing Record			Surface Prod.													Other Fr.	
W.L.	F.C.	pH.	Solids	Cement													Other Fr.

SEEK TEST TO SAME-MAKE UP DST #5 RABBIT COLLARS BREAK DOWN 2 COLLARS + TRIP STUCK & RUN IN HOLE RIG SERV. SUP + CUT

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands					
					No.	O.D.	I.D.	Wgt.									
					20	6 1/4	2 3/4	37									
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Fig.	Hrs.	Ft Reamed	Hrs.	COND	D. Collars		
I																	
T																	
S																	
MUD			8 a.m.	10 a.m.	12 p.m.	2 p.m.	Additives			At Surveys Degree	MOTOR HOURS		Oil Added	Stands			
WEIGHT														Singles			
VISCOSITY														D. Collars			
GEL														Other Fr.			
P	No.	Pressure											Light Plant	COND	Other Fr.		
U	Model	S.P.M.											BOILER HRS	TOTAL	Other Fr.		
M	Liner Size		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Sip	Feet	Cut	Feet Left on Spool	Next S.p.	Other Fr.				
P	No. 2	Pressure													Other Fr.		
S	Model	S.P.M.													Other Fr.		
Casing Record			Surface Prod.													Other Fr.	
W.L.	F.C.	pH.	Solids	Cement													Other Fr.

RIG SERV & PUNISH HOLD HEAD UP D OPEN TOOL EXH INITIATE SHW OPEN FLOW FINAL SHWT

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands					
					No.	O.D.	I.D.	Wgt.									
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Fig.	Hrs.	Ft Reamed	Hrs.	COND	D. Collars		
I																	
T																	
S																	
MUD			4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives			At Surveys Degree	MOTOR HOURS		Oil Added	Stands			
WEIGHT														Singles			
VISCOSITY														D. Collars			
GEL														Other Fr.			
P	No.	Pressure											Light Plant	COND	Other Fr.		
U	Model	S.P.M.											BOILER HRS	TOTAL	Other Fr.		
M	Liner Size		Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Sip	Feet	Cut	Feet Left on Spool	Next S.p.	Other Fr.				
P	No. 2	Pressure													Other Fr.		
S	Model	S.P.M.													Other Fr.		
Casing Record			Surface Prod.													Other Fr.	
W.L.	F.C.	pH.	Solids	Cement													Other Fr.

FINAL SHWT PULL PACKER HOIST D.S.T.

Total Ring on Bit No. O.P. Caliper Date Results From Fly Back Total Time Results Total

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE Oct 4 1977

Rig No. 9 Report No. 194

H-38

	REMARKS	Time		
		Start	Stop	Interval
Stands	SERV TEST TOOL - LAT DOWN	12:00		
Singles	SAME - MAKE UP TAIL PIPE +			
D. Collars	DST #5		4:30	4 1/2
Other Ft.	RABBIT COLLARS RUN IN DST #5	4:30	5:00	1/2
C.B. Ft.	BREAK DOWN STAND OF DRILL	5:00		
Subs. Ft.	COLLARS + TRY TO RETRIEVE			
Ft. Down On Kelly	STUCK BARS		6:30	1 1/2
TOTAL	RUN IN HOLE 3500' WATER CURNING	6:30	7:15	3/4
	RIG SERV.	7:15	7:30	1/4
Next Slip	SLIP + CUT LINE	7:30	8:00	1/2
				8

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller	DAVE OSTAPOWICH 8
Derrick	BRIAN THOMAS 8
Motor	BOB GARLEHOUSE 8
Floor	MIKE HAMBLETT 8
Floor	DAN STRACHFIELD 8
	FRED AMENIGACHA 8

Accidents NIL
 Outside Temp.
 Weather Conditions CLEAR
 Road Conditions FAIR

	REMARKS	Time		
		Start	Stop	Interval
Stands	RIG SERV & SET CROWN SHEAVE	8:00	8:15	1/4
Singles	PULL IN HOLE	8:15	10:45	2 1/2
D. Collars	HEAD UP DST #5	10:45	11:15	1/2
Other Ft.	OPEN TOOL FOR PRE FLOW	11:15	11:30	1/4
C.B. Ft.	INITIAL SHUT IN	11:30	12:30	1
Subs. Ft.	OPEN FLOW	12:30	2:30	2
Ft. Down On Kelly	FINAL SHUT IN	2:30	4:00	1 1/2
TOTAL				8
Next Slip				

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller	MEL SVINGEN 8
Derrick	BOB LUGAN 8
Motor	MORLEY FASS 8
Floor	DAVE CHURCH 8
Floor	RIMY RALOW 8

Accidents NIL
 Outside Temp. +5, +100 @ FLOW FIT.
 Weather Conditions CLEAR
 Road Conditions OK.

	REMARKS	Time		
		Start	Stop	Interval
Stands	FINAL SHUT IN	4:00	6:45	2 3/4
Singles	PULL PACKER SEAT FREE	6:45	7:00	1/4
D. Collars	HOLD D.S.T.	7:00	12:00	5
Other Ft.				8
C.B. Ft.				
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				
Next Slip				

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller	R DREWNIAK 8
Derrick	L PERRAS 8
Motor	L. CHEESEMAN 8
Floor	D DANIELS 8
Floor	D WERBOWSKA 8
	C MAMELA 8

Accidents NIL
 Outside Temp.
 Weather Conditions CLEAR + SUN
 Road Conditions GOOD

Pipe Rack: _____
 Total Contractor Time: _____ Hrs. To: _____
 Total Company Time: _____ Hrs. Approved by: _____
 Inspector: Paul Krausman
 Approved by: _____

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE Oct 3 1977

H-38

Rig No. 9 Report No. 193

REMARKS	Time			
	Start	Stop	Interval	
Stands 119 x X Singles 1119797 D. Collars 615:20 NEXT TOOL C.B. Ft.	SERV DST #4 TEST TOOL	12 00	3 15	3 14
	RUN WITH DST #4	3 15		
	FILL WITH 3500' WATER COLUMN	4 00		3/4
	SLIP LINE + SET BRAKES	4 00	4 30	1/2
	RIG SERV	4 30	4 45	1/4
	RUN IN WITH DST #4	4 45	7 05	2 1/2
	HEAD UP DST #4	7 15	8 00	3/4
TOTAL				8

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>DAVE OSTAROVICH</u>	8
Derrick <u>BRIAN THOMAS</u>	8
Motor <u>BOB SHOLEHOUSE</u>	8
Floor <u>MIKE HAMBLETT</u>	8
Floor <u>DON STANFIELD</u>	8
Floor <u>FRANK DENEVERACH</u>	8
Accidents	NIL
Outside Temp.	2
Weather Conditions	CLEAR
Road Conditions	FAIR

REMARKS	Time			
	Start	Stop	Interval	
Stands Singles D. Collars Other Ft. C.B. Ft. Subs. Ft. Ft. Down on Kelly TOTAL	PREP FLOW	8 00	9 15	1 1/4
	INITIAL SHUT IN	8 15	9 15	1
	DRAW TOOL SLOWLY HOLD	9 15	9 30	1/4
	WAIT FOR GAS TO DIE @ TEST HEAD	9 30	1 30	1
	HOIST DST.	1 30	2 00	3/4
TOTAL				8

WET PIPE @ 74 STANDS
OUT OF HOLE

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>MEL SWINGEN</u>	12
Derrick <u>BOB LUSAN</u>	12
Motor <u>MARION FOSS</u>	12
Floor <u>DAVE CHURCH</u>	12
Floor <u>RAY KALLON</u>	12
Accidents	NIL
Outside Temp.	75
Weather Conditions	CLOUDS
Road Conditions	OK

REMARKS	Time			
	Start	Stop	Interval	
Stands Singles D. Collars Other Ft. C.B. Ft. Subs. Ft. Ft. Down on Kelly TOTAL	TRY TO BRK PUMP OUT SUB	4 00	5 30	1 1/2
	HOIST GAS CUT H ₂ O COLUMN	5 30		
	3 MUD FILLED PIPE		10 30	5
	RIG SERV	10 30	10 45	1/4
	SERV TEST TOOL	10 45	12 00	1 1/4
TOTAL				8

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>DAVE OSTAROVICH</u>	4
Derrick <u>BRIAN THOMAS</u>	4
Motor <u>BOB SHOLEHOUSE</u>	4
Floor <u>MIKE HAMBLETT</u>	4
Floor <u>DON STANFIELD</u>	4
Floor <u>FRANK DENEVERACH</u>	4
Accidents	NIL
Outside Temp.	41
Weather Conditions	CLOUD
Road Conditions	FAIR

Pipe Rack _____ Total Contractor Time _____ Hrs. Toolpusher E. J. [Signature] Toolpusher E. J. [Signature]
 Total Company Time _____ Hrs. Approved by [Signature] Approved by _____

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE SEPT 29 1977

Rig No: 9 Report No: 131

H-38

REMARKS	Time		
	Start	Stop	Interval
Stands			
<i>HOIST DST #2</i>	<i>12 00</i>	<i>3 45</i>	<i>3 1/4</i>
Singles			
<i>Rig Up Circ HEAD + REVERSE</i>	<i>3 45</i>		
D. Collars			
<i>Circ FORMATION FEED OUT OF</i>			
Other Ft.			
<i>HOIST DST</i>		<i>5 30</i>	<i>1 3/4</i>
C.B. Ft.			
<i>HOIST DST #2</i>	<i>5 30</i>	<i>6 15</i>	<i>3/4</i>
Subs. Ft.			
<i>RIG SERV.</i>	<i>6 15</i>	<i>6 30</i>	<i>1/4</i>
Ft. Down On Kelly			
<i>BREAK DOWN TEST TOOL</i>	<i>6 30</i>	<i>8 00</i>	<i>1 1/2</i>
TOTAL			
Next Slip			

Tour — Midnight - 8 a.m.	
Specify actual hours worked	Hrs.
Driller <i>DAVE OSTROMICH</i>	<i>8</i>
Derrick <i>BRIAN THOMAS</i>	<i>8</i>
Motor <i>BOB GARLHOUSE</i>	<i>8</i>
Floor <i>MIKE HAMBRETT</i>	<i>8</i>
Floor <i>DON STANFIELD</i>	<i>8</i>
Floor <i>FRED ACHENBACH</i>	<i>8</i>

Accidents *NIL*
 Outside Temp. *- 2.*
 Weather Conditions *CLOUDY*
 Road Conditions *GOOD*

REMARKS	Time		
	Start	Stop	Interval
Stands			
<i>117 x</i>	<i>8 00</i>	<i>9 00</i>	<i>1</i>
Singles			
<i>PICK UP CORE BBIS & JARS</i>	<i>9 00</i>	<i>10 30</i>	<i>1 1/2</i>
D. Collars			
<i>RUN IN DC & INSIDE PIPE</i>	<i>10 30</i>	<i>11 30</i>	<i>1</i>
Other Ft.			
<i>SHUT OFF DEPT LINE</i>	<i>11 30</i>	<i>12 00</i>	<i>1/2</i>
C.B. Ft.			
<i>RIG SERV SCREW PAPER</i>	<i>12 00</i>	<i>12 15</i>	<i>1/4</i>
Subs. Ft.			
<i>RUN IN HOSE</i>	<i>12 15</i>	<i>2 45</i>	<i>2 1/2</i>
Ft. Down On Kelly			
<i>BACK LINE & CTB. NO FILL</i>	<i>2 45</i>	<i>3 00</i>	<i>1/4</i>
TOTAL			
Next Slip			

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked	Hrs.
Driller <i>MEL SVINGEN</i>	<i>12</i>
Derrick <i>BOB LOGAN</i>	<i>12</i>
Motor <i>BOB GARLHOUSE</i>	<i>12</i>
Floor <i>MARLEY FOSS</i>	<i>12</i>
Floor <i>RAY BALLOD</i>	<i>12</i>

Accidents *NIL*
 Outside Temp. *+ 15*
 Weather Conditions *CLOUDY*
 Road Conditions *OK*

REMARKS	Time		
	Start	Stop	Interval
Stands			
<i>117 x</i>	<i>4 00</i>	<i>5 30</i>	<i>1 3/4</i>
Singles			
<i>DROP BALL</i>	<i>5 45</i>	<i>6 00</i>	<i>1/2</i>
D. Collars			
<i>CUT LOG #2</i>	<i>6 00</i>	<i>12 00</i>	<i>6</i>
Other Ft.			
C.B. Ft.			
Subs. Ft.			
Ft. Down On Kelly			
TOTAL			
Next Slip			

Tour — 4 p.m. to Midnight	
Specify actual hours worked	Hrs.
Driller <i>DAVE OSTROMICH</i>	<i>4</i>
Derrick <i>BRIAN THOMAS</i>	<i>4</i>
Motor <i>BOB GARLHOUSE</i>	<i>4</i>
Floor <i>MIKE HAMBRETT</i>	<i>4</i>
Floor <i>DON STANFIELD</i>	<i>4</i>
Floor <i>FRED ACHENBACH</i>	<i>4</i>

Accidents *NIL*
 Outside Temp.
 Weather Conditions *CLOUDY*
 Road Conditions *GOOD*

Pipe Rack _____ Total Contractor Time _____ Hrs Toolpusher *C. Khan* Toolpusher *C. Khan*
 Total Company Time _____ Hrs Approved by *C. Khan* Approved by _____

DATE SEPT 28 1973

NABORS DRILLING LIMITED

NOTE: Do No

Rig No. 9 Page No. 188

LOCATION COL. GAS ETAL KOTANEELEE JT H-38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Gal.
<p>11690 260</p>															
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
I	77	3 1/2	11622	3-11	30192			11624	11690	36	2 3/4	234	11		Other Ft.
T												C.B. Ft.			
S												Subs. Ft.			
<p>MUD 12 a.m. 2 a.m. 4 a.m. 6 a.m. Additives</p>												At Surveys Degree	MOTOR HOURS	Oil Added	
WEIGHT <u>101</u>												1	4		
VISCOSITY <u>40</u>												2	3		
GEL												3	8		
P	No. 1	Pressure											Light Plant		
U	Model	S.P.M.											BOILER HRS.		
M	Liner Size														
P	No. 2	Pressure													
S	Model	S.P.M.													
			Casing Record	Surface Prod.											
W.L.			F.C.	pH.	Solids	Cement						With Pipe			
<p>11700 21</p>															
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
I															21
T												Other Ft.			
S												C.B. Ft.			
<p>MUD 8 a.m. 10 a.m. 12 p.m. 2 p.m. Additives</p>												At Surveys Degree	MOTOR HOURS	Oil Added	
WEIGHT												1			
VISCOSITY												2	8		
GEL												3			
P	No. 1	Pressure											Light Plant		
U	Model	S.P.M.											BOILER HRS.		
M	Liner Size														
P	No. 2	Pressure													
S	Model	S.P.M.													
			Casing Record	Surface Prod.											
W.L.			F.C.	pH.	Solids	Cement						With Pipe			
<p>11710 21</p>															
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
I															21
T												Other Ft.			
S												C.B. Ft.			
<p>MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives</p>												At Surveys Degree	MOTOR HOURS	Oil Added	
WEIGHT												1	8		
VISCOSITY												2	8		
GEL												3	8		
P	No. 1	Pressure											Light Plant		
U	Model	S.P.M.											BOILER HRS.		
M	Liner Size														
P	No. 2	Pressure													
S	Model	S.P.M.													
			Casing Record	Surface Prod.											
W.L.			F.C.	pH.	Solids	Cement						With Pipe			

Circ + Cont
PROP PAK
Lay Down J
RIG SERV
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12990
13000

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Cont
 B.O.P. Test-Operated Time Results Total Comp

WORK RECORD

NOTE: Do Not Record Payroll Information Here

DATE SEPT 28 19 77

Rig No. 9 Report No. 2188

YT 14-38

	REMARKS	Time		
		Start	Stop	Interval
Stands	<i>CIRC + CONDITION AND MIX WTS.</i>	<i>12:00</i>	<i>1:00</i>	<i>1</i>
Singles	<i>PUMP PUS + TRIP DST</i>	<i>1:00</i>		
D. Collars	<i>LAY DOWN JARS, ROPS, STAB 1 SHORT</i>			
Other Ft.	<i>COLLAR</i>	<i>5:45</i>	<i>6:30</i>	<i>4 3/4</i>
C.B. Ft.	<i>RIG SERV ✓ BOP</i>	<i>5:45</i>	<i>6:30</i>	<i>1/4</i>
Subs. Ft.	<i>BRING TEST TOOL UP FLOOR + MAKE</i>	<i>6:00</i>		
Ft. Down On Kelly	<i>UP DST</i>	<i>8:00</i>		<i>2</i>
TOTAL				<i>8</i>
Next Slip				

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <i>DAVE OSTAPOUCH</i>	<i>8</i>
Derrick <i>BRIAN THOMAS</i>	<i>8</i>
Motor <i>BOB GABLEHOUSE</i>	<i>8</i>
Floor <i>MIKE HAMBLETT</i>	<i>8</i>
Floor <i>DON STANCHFIELD</i>	<i>8</i>
Floor <i>FRED ARNEBACH</i>	<i>8</i>
Accidents	
Outside Temp. <i>-2</i>	
Weather Conditions	
Road Conditions	

	REMARKS	Time		
		Start	Stop	Interval
Stands	<i>MAKE UP TEST TOOL</i>	<i>8:00</i>	<i>8:45</i>	<i>1/4</i>
Singles	<i>RUN IN TO 1600' PICK UP</i>	<i>8:45</i>		
D. Collars	<i>JARS & PUMP OUT SUB & MAKE</i>	<i>9:45</i>		<i>1</i>
Other Ft.	<i>SOAP 90' 8" DRILL LINE</i>	<i>9:45</i>	<i>10:15</i>	<i>1/2</i>
C.B. Ft.	<i>RUN IN HOIST HOIST #2</i>	<i>10:15</i>		
Subs. Ft.	<i>15000' H2O CASSID</i>	<i>2:15</i>	<i>2:45</i>	<i>1/4</i>
Ft. Down On Kelly	<i>TRIP SERV & J MATE KILLS</i>	<i>2:15</i>	<i>2:30</i>	<i>1/4</i>
TOTAL	<i>HEAD UP TEST #2</i>	<i>2:30</i>	<i>3:15</i>	<i>3/4</i>
Next Slip	<i>UP DST</i>	<i>3:15</i>	<i>3:30</i>	<i>1/4</i>
Next Slip	<i>INITIAL SHUT IN</i>	<i>3:30</i>	<i>4:00</i>	<i>1/2</i>
With Pipe	Without Pipe	Standby		

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <i>MEL SWINSON</i>	<i>12</i>
Derrick <i>BOB LOGAN</i>	<i>12</i>
Motor <i>SCOTT MERRAN</i>	<i>12</i>
Floor <i>PAUL RALLOAN</i>	<i>12</i>
Floor <i>SCOTT ROSE</i>	<i>12</i>
Floor <i>MORLEY FASE</i>	<i>12</i>
Accidents	<i>NIL</i>
Outside Temp. <i>+ 10</i>	
Weather Conditions <i>CLOUDY</i>	
Road Conditions	

	REMARKS	Time		
		Start	Stop	Interval
Stands	<i>INITIAL SHUT IN</i>	<i>9:00</i>	<i>9:30</i>	<i>1/2</i>
Singles	<i>OPEN TOOL</i>	<i>9:30</i>	<i>10:30</i>	<i>2</i>
D. Collars	<i>FINAL SHUT IN</i>	<i>6:30</i>	<i>10:30</i>	<i>4</i>
Other Ft.	<i>FREE PACKER + BREAK HARD OFF</i>	<i>10:30</i>	<i>11:00</i>	<i>1/2</i>
C.B. Ft.	<i>HOIST DST # 2</i>	<i>11:00</i>	<i>12:00</i>	<i>1</i>
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				<i>8</i>
Next Slip				
With Pipe	Without Pipe	Standby		

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <i>DAVE OSTAPOUCH</i>	<i>4</i>
Derrick <i>BRIAN THOMAS</i>	<i>4</i>
Motor <i>BOB GABLEHOUSE</i>	<i>4</i>
Floor <i>MIKE HAMBLETT</i>	<i>4</i>
Floor <i>DON STANCHFIELD</i>	<i>4</i>
Floor <i>FRED ARNEBACH</i>	<i>4</i>
Accidents	
Outside Temp.	
Weather Conditions	
Road Conditions	

Pipe Rack Total Contractor Time Hrs. Toolpusher *[Signature]* Toolpusher *[Signature]*
 Total Company Time Hrs. Approved by *[Signature]* Approved by

DATE SEPT 27

19

NABORS DRILLING LIMITED

NOTE: Do No

Rig No. 9 Page No. 189

LOCATION COAL GAS FALCOTANVILLE WY A-38

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands						
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal							
		11690			21	6 1/4	2 3/8	40	55"			Hoist DS Rig up Circ Circ formation Hoist DS Rig Serv BREAK Down						
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Fig.	Hrs	Ft Reamed	Hrs	COND	D. Collars			
I																		
T																		
S																		
MUD				12 a.m.	2 a.m.	4 a.m.	6 a.m.	Additives		At Surveys Degree	MOTOR HOURS		Oil Added		Stands			
WEIGHT														Singles				
VISCOSITY														D. Collars				
GEL														Other Ft.				
P	No. 1	Pressure											Light Plant	COND	C B Ft			
	Model	S.P.M.														BOILER HRS.	Subs Ft	
U	Liner Size											Slip	Feet or	Cut	Feet Left on Spool			Next Slip
M	No. 2	Pressure	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES											
P	Model	S.P.M.											Casing Record		Surface Prod.			
S	Liner Size																	
W.L.	F.C.	pH.	Solids	Cement												With Pipe		

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands						
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal							
					21	6 1/4	2 3/8				117 x							
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Fig.	Hrs	Ft Reamed	Hrs	COND	Singles			
I	788 P/B		◇		7E 067										10979 21			
T															615 20			
S															1080			
MUD				8 a.m.	10 a.m.	12 p.m.	2 p.m.	Additives		At Surveys Degree	MOTOR HOURS		Oil Added		Other Ft.			
WEIGHT														C B Ft				
VISCOSITY														Subs Ft				
GEL														Ft. Down on Kelly				
P	No. 1	Pressure											Light Plant	COND	TOTAL			
	Model	S.P.M.														BOILER HRS.	TOTAL	
U	Liner Size											Slip	Feet or	Cut	Feet Left on Spool			Next Slip
M	No. 2	Pressure	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES											
P	Model	S.P.M.											Casing Record		Surface Prod.			
S	Liner Size																	
W.L.	F.C.	pH.	Solids	Cement												With Pipe		

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands						
					No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Gal							
		11690			21	6 1/4	2 3/8	40			117 x							
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Fig.	Hrs	Ft Reamed	Hrs	COND	Singles			
I	788 1/2		MC30		7E 067	15	65	11690	11711	21	6				10979 21			
T						20									615 20			
S															1080			
MUD				4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives		At Surveys Degree	MOTOR HOURS		Oil Added		Other Ft.			
WEIGHT				FOO 10.0 10.0				CAUSTIC		SOLIDS				C B Ft				
VISCOSITY				43 41 40										Subs Ft				
GEL														Ft. Down on Kelly				
P	No. 1	Pressure											Light Plant	COND	TOTAL			
	Model	S.P.M.														BOILER HRS.	TOTAL	
U	Liner Size											Slip	Feet or	Cut	Feet Left on Spool			Next Slip
M	No. 2	Pressure	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES											
P	Model	S.P.M.											Casing Record		Surface Prod.			
S	Liner Size																	
W.L.	F.C.	pH.	Solids	Cement												With Pipe		

Totco Ring on Bit No _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____ Total Contr _____
 B.O.P. Test-Operated _____ Time _____ Results _____ Total Comp _____

WORK RECORD

DATE SEPT 29 1977

NOTE: Do Not Record Payroll Information Here

IT A-38

Rig No. 9 Report No. 117

CRUDE	Stands	REMARKS	Time		
			Start	Stop	Interval
	Gal.	HOIST DST #2	12:00	3:45	3 3/4
	Singles				
	Bbls.	RIG UP CIRC HEAD + REVERSE	3:45		
COND.	D. Collars	CIRC FORMATION FLUID OUT OF			
	Other Ft.	HOIST DST		5:30	1 3/4
	C.B. Ft.	HOIST DST #2	5:30	6:15	3/4
Added	Subs. Ft.	RIG SERV.	6:15	6:30	1/4
	Ft. Down On Kelly	BREAK DOWN TEST TOOL	6:30	9:00	1 1/2
	TOTAL				
	Feet Left on Spool				
	Next Slip				

Tour — Midnight - 8 a.m.	
Specify actual hours worked	Hrs.
Driller <u>DAVE OSTAROVICH</u>	8
Derrick <u>BRIAN THOMAS</u>	8
Motor <u>BOB GARLHOUSE</u>	8
Floor <u>MIKE HAMBLITT</u>	8
Floor <u>DON STANCHFIELD</u>	8
Floor <u>FRED ACHENBACH</u>	8

Accidents NIL
 Outside Temp. - 2
 Weather Conditions CLOUDY
 Road Conditions GOOD

CRUDE	Stands	REMARKS	Time		
			With Pipe	Without Pipe	Standby
	Gal.	LAY DOWN TEST TOOLS	8:00	9:00	1
	Singles				
	Bbls.	PICK UP CORR BBLS & JAPS	9:00	10:30	1 1/2
COND.	D. Collars	RUN IN DC & INSIDE PIPE	10:30	11:30	1
	Other Ft.	SURF CUT DRAG LINE	11:30	12:00	1/2
	C.B. Ft.	RIG SERV. (CROWN SARGE)	12:00	12:15	1/4
Added	Subs. Ft.	RUN IN HOLE	12:15	2:45	2 1/2
	Ft. Down On Kelly	BACKLINE & CTB. NO FILL	2:45	3:00	1/4
	TOTAL	CIRC	3:00	4:00	1
	Feet Left on Spool				
	Next Slip				

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked	Hrs.
Driller <u>MEL SUINGAL</u>	12
Derrick <u>BOB LUCAN</u>	12
Motor <u>GEORGE MIREAU</u>	12
Floor <u>MARLEY FOSS</u>	12
Floor <u>RAY RALLON</u>	12

Accidents NIL
 Outside Temp. + 15
 Weather Conditions CLOUDY
 Road Conditions OK

CRUDE	Stands	REMARKS	Time		
			With Pipe	Without Pipe	Standby
	Gal.	CIRCULATE GAS OUT OF MUD	4:00	5:30	1 3/4
	Singles				
	Bbls.	DROP BALL	5:45	6:00	1/2
COND.	D. Collars	CUT CORR #2	6:00	12:00	6
	Other Ft.				
	C.B. Ft.				
Added	Subs. Ft.				
	Ft. Down On Kelly				
	TOTAL				
	Feet Left on Spool				
	Next Slip				

Tour — 4 p.m. to Midnight	
Specify actual hours worked	Hrs.
Driller <u>DAVE OSTAROVICH</u>	4
Derrick <u>BRIAN THOMAS</u>	4
Motor <u>BOB GARLHOUSE</u>	4
Floor <u>MIKE HAMBLITT</u>	4
Floor <u>DON STANCHFIELD</u>	4
Floor <u>FRED ACHENBACH</u>	4

Accidents NIL
 Outside Temp.
 Weather Conditions CLOUDY
 Road Conditions GOOD

From Pipe Rack Total Contractor Time Hrs Toolpusher C. P. [Signature] Toolpusher C. P. [Signature]
 Total Company Time Hrs Approved by [Signature] Approved by [Signature]

DATE *SEPT 28* 1973

NABORS DRILLING LIMITED

NOTE: Do Not

Rig No *9* Page No *188*

LOCATION *COL. GAS ETAL KOTANGEE JT H-38*

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Gal.
<p><i>11690</i> <i>260</i></p>															
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
I	<i>77</i>	<i>3 1/2</i>	<i>1162</i>	<i>3-11</i>	<i>30122</i>			<i>11624</i>	<i>11690</i>	<i>36</i>	<i>2 3/4</i>	<i>234</i>	<i>234</i>	<i>11</i>	
T															
S															
MUD					Additives				At Surveys Degree		MOTOR HOURS		Oil Added		
WEIGHT											<i>1</i>				
VISCOSITY											<i>2</i>				
GEL											<i>3</i>				
P	No. 1	Pressure											Light Plant	BOILER HRS	
	<i>1800</i>														<i>8</i>
U	Model	S.P.M.													
<i>28</i>			MUD WT @ FLOW LINE G.S												
M	No. 2	Pressure	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip			
<i>1000</i>															
P	Model	S.P.M.													
<i>820</i>			Casing Record		Surface Prod.										
W.L.			F.C.	pH.	Solids		Cement						With Pipe		

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Gal.
<p><i>117</i> <i>117</i></p>															
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
I															
T															
S															
MUD					Additives				At Surveys Degree		MOTOR HOURS		Oil Added		
WEIGHT											<i>1</i>				
VISCOSITY											<i>2</i>				
GEL											<i>3</i>				
P	No. 1	Pressure											Light Plant	BOILER HRS	
U	Model	S.P.M.													
			MUD WT @ FLOW LINE G.S												
M	No. 2	Pressure	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip			
P	Model	S.P.M.													
			Casing Record		Surface Prod.										
W.L.			F.C.	pH.	Solids		Cement						With Pipe		

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	CRUDE	Stands			
					No.	O.D.	I.D.	Wgt.					Gals.	Bbls.	Gal.
<p><i>118</i> <i>118</i></p>															
B	No.	Size	Type	Size Jets	Serial No.	Wt.	R.P.M.	From	To	Ftg.	Hrs.	Ft. Reamed	Hrs.	COND.	D. Collars
I															
T															
S															
MUD					Additives				At Surveys Degree		MOTOR HOURS		Oil Added		
WEIGHT											<i>1</i>				
VISCOSITY											<i>2</i>				
GEL											<i>3</i>				
P	No. 1	Pressure											Light Plant	BOILER HRS	
U	Model	S.P.M.													
			MUD WT @ FLOW LINE G.S												
M	No. 2	Pressure	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Slip			
P	Model	S.P.M.													
			Casing Record		Surface Prod.										
W.L.			F.C.	pH.	Solids		Cement						With Pipe		

Circ + Cond
Prod Part + H
Lay Down JH
RIG SERV
Down Test Pen
W DST
With Pipe

117
117
1
21
70'
60'
5000' H
11630
1410
With Pipe

118
118
117
117
21
70'
60'
11630
11630
With Pipe

MAKE UP
Run in To
Jobs & P
SOA 40' B
Run in 11630
5000' H
11630
1410
INITIAL SH

INITIAL SH
OPEN TO
FINAL SH
FREE PACKER
HOIST DST

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Contra
 B.O.P. Test-Operated Time Results Total Compa

WORK RECORD

DATE SEPT 28 19 77

NOTE: Do Not Record Payroll Information Here

FF JT H-38

Rig No. 9 Report No. 2188

CRUDE	REMARKS	Time		
		Start	Stop	Interval
Stands	Circ + Condition Mud mix wt.	12:00	1:00	1
Gal	Pump Pul + Trip Out	1:00		
Bbls	Lay Down Jars, RARS, STAB + SHORT COLLAR		5:45	4 1/4
COND.	RIG SERV + BUR	5:45	6:00	14
D. Collars	Run Test Tool On Floor + MAKE	6:00		
Other Ft.	UP DST =		8:00	2
C. B. Ft.				
Added				
Subs. Ft.				
Ft. Down On Kelly				
TOTAL				8

Tour — Midnight - 8 a.m.	
Specify actual hours worked.	Hrs.
Driller <u>DAVE OSTAPOVICH</u>	8
Derrick <u>BRIAN THOMAS</u>	8
Motor <u>BOB GABLEHOUSE</u>	8
Floor <u>MIKE HAMBLETT</u>	8
Floor <u>DON STANCHFIELD</u>	8
Floor <u>FRED RHEINBACH</u>	8
Accidents	
Outside Temp.	-2
Weather Conditions	
Road Conditions	

CRUDE	REMARKS	Time		
		With Pipe	Without Pipe	Standby
Stands	MAKE UP TEST TOOL	8:00	8:45	1/4
Gal	Run in To 1600' Pick up	8:45		
Bbls	Jars & Pumpout Sub @ 1600'		9:45	1
COND.	SOUP 40' 8" DRIG LINE		9:45	10:15
D. Collars	Run in the 1600' test #2		10:15	1/2
Other Ft.	1 - 5000' H ₂ O Cussied		2:15	4
C. B. Ft.	RIG SERV + L. Motor Kill		2:15	2:30
Added	HYDRO PUMP TEST #2		2:30	3:15
Subs. Ft.	LOSS TOOL		3:15	3:30
Ft. Down on Kelly	INITIAL SHUT IN		3:30	4:00
TOTAL				8

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked.	Hrs.
Driller <u>MEL SUINEN</u>	12
Derrick <u>BOB LOGAN</u>	12
Motor <u>SCOTT MERRAN</u>	12
Floor <u>RAY RALLON</u>	12
Floor <u>SCOTT ROSE</u>	12
Floor <u>MORLEY FASE</u>	12
Accidents	NIL
Outside Temp.	+ 10
Weather Conditions	CLOUDY
Road Conditions	

CRUDE	REMARKS	Time		
		With Pipe	Without Pipe	Standby
Stands	INITIAL SHUT IN	9:00	4:30	1/2
Gal	OPEN TOOL		4:30	6:30
Bbls	FINAL SHUT IN		6:30	10:30
COND.	FREE PACKER + BREAK HARD DEE		10:30	11:00
D. Collars	HOIST DST # 2		11:00	12:00
Other Ft.				
C. B. Ft.				
Added				
Subs. Ft.				
Ft. Down on Kelly				
TOTAL				8

Tour — 4 p.m. to Midnight	
Specify actual hours worked.	Hrs.
Driller <u>DAVE OSTAPOVICH</u>	4
Derrick <u>BRIAN THOMAS</u>	4
Motor <u>BOB GABLEHOUSE</u>	4
Floor <u>MIKE HAMBLETT</u>	4
Floor <u>DON STANCHFIELD</u>	4
Floor <u>FRED RHEINBACH</u>	4
Accidents	
Outside Temp.	
Weather Conditions	
Road Conditions	

From Pipe Rock Total Contractor Time Hrs. Toolpusher [Signature] Toolpusher [Signature]
 Total Company Time Hrs. Approved by [Signature] Approved by