

520 - 530	As above, possibly 5% limey shale, and grey to light brown-grey, hard.
530 - 540	As above, but 10 - 20% limestone.
540 - 550	As above, 5% limestone.
550 - 560	As above, less than 5% limestone.
560 - 570	As above, less than 5% limestone shale, little more calcareous.
570 - 580	Shale only slightly calcareous, no limestone.
580 - 590	Shale only slightly calcareous, possibly 10% black carbonaceous, shale, trace of limey shale.
590 - 600	As above, slightly more limestone.
600 - 610	50% white to brown limestone, 40% grey, slightly calcareous shale, 20% brown shale, slightly more compact. Trace of carbonaceous shale.
610 - 620	80% grey-green shales as above. Balance brown with little limestone.
620 - 630	Grey-green shale as above.
630 - 640	20% white to buff limestone - 50% grey green shale as above. 20% brown shale.
640 - 650	5 - 10% white limestone - balance 50 - 50 brown and grey shale.
650 - 660	As above.
660 - 670	Grey green shales, calcareous.
670 - 680	60% grey green shales, 40% brown. Little white limestones.
680 - 690	80% dense fairly compact and hard brown slightly sericitic shales, quite calcareous. 20% grey green shale, slightly calcareous. U.L. brown limestone.
690 - 700	As above.
700 - 710	Brown shale as above, no limestone.
710 - 720	Brown shale as above, no limestone.
720 - 730	Brown shale as above, no limestone.
730 - 740	Brown shale as above, no limestone.
740 - 750	Brown shale as above, no limestone.
750 - 760	60% brown shales as above. 40% grey shales, softer and less calcareous, slightly sericitic.
760 - 770	30% brown shales, 70% grey, as above.
770 - 780	As above.
780 - 790	Almost entirely brown to light brown shale, very light green.
790 - 800	Brown shales as above, with 10 - 15% black, carbonaceous shales.
800 - 810	Brown shales as above with less than 5% black carbonaceous shales.
810 - 820	70% brown shales, as above, microfossiliferous. 15% black carbonaceous shales as above, microfossiliferous. 15% Buff to brown argillaceous, crystalline limestone.
820 - 830	80 % brown to brown-black limey shales as above, microfossiliferous. 20% brown dense micro-crystalline and micro fossiliferous argillaceous limestone, some fine disseminated pyrite in both shales and limestone.
830 - 840	30% shales as above. 70% limestone as above. Some pyrite slightly coarser.
840 - 850	As above, V.L. pyrite.
850 - 860	As above, some coarse, massive pyrite.
860 - 870	Limestone grey to light buff very dense, and softer, only slightly argillaceous.
870 - 880	As above.
880 - 890	As above, possibly 10% brown to dark grey shale.
890 - 900	As above.

Core No. 1 900 - 915 Recovery 12 feet

900 - 911 Grey to brown dense limey shales.
 911 - 915 Brown crystalline limestone. Dense to slightly intergranular porosity 913 - 915. Two light vertical fractures, some bleeding of oil from core and also of water. Fracture dies out just before reaching shales, carbonaceous mat above stylolitic partings. Slightly microfossiliferous.

Core No. 2 915 - 930 Recovery 16.5 feet.

915 - 922 Dense brown granular limestone, some light oil staining and pin point porosity. Slight bleeding of oil with salt water more abundant. 919 - 920 quite fossiliferous.
 922 - 930 Dense fine grained, brown slightly argillaceous limestone with narrow bands of carbonaceous shale. Bituminous mat above stylolite parting with occasional tight tiny vertical fracture travelling between partings.
 930 - 935 Not representative, mainly cuttings from reaming rat hole, micro-crystalline buff limestone.
 935 - 940 80% light buff to brown crystalline limestone, oil staining, TIGHT, 20% black carbonaceous shales, not as partings.
 940 - 945 Mainly buff to light brown crystalline limestone with some scattered oil staining. Tight - possibly 50% carbonaceous shaley partings.
 945 - 950 Limestone - darker brown quite argillaceous, dense, fairly fossiliferous 10 - 15% black carbonaceous shale partings, slight oil fluorescence.
 950 - 955 As above.
 955 - 960 As above, not as fossiliferous.
 960 - 965 Limestone, light to dark brown, dense, more crystalline, fairly fossiliferous, not as much shale.
 965 - 970 Limestone, light to dark brown, dense, more crystalline, fairly fossiliferous, not as much shale, some calcite, as stringers.
 970 - 980 Limestone, mostly darker brown, dense, slightly argillaceous, not as much carbonaceous shales or calcite.
 980 - 990 Limestone, light buff, dense, fossiliferous, considerable calcite as tiny stringers. Very little carbonaceous shaley partings.
 990 - 995 Limestone as above - one cutting showing calcite crystal saturated with oil.
 995 - 1000 Limestone as above, no oil indications.
 1000 - 1005 Limestone as above.
 1005 - 1010 Limestone as above except limestone buff to brown and with less calcite. Slightly argillaceous.
 1010 - 1015 Limestone as above, slightly more calcite.
 1015 - 1020 Limestone 80% brown as above. Balance buff.
 1020 - 1025 Limestone - brown dense, very fossiliferous, calcite stringers not as frequent. Some carbonaceous shaley partings.
 1025 - 1030 Limestone as above.
 1030 - 1040 Limestone as above, a little buff limestone.
 1040 - 1045 Limestone as above.

Core No. 3 1045 - 1060 Recovery 16 feet

Detrital limestone - dense, brown, hard. Somewhat fossiliferous. Margins of fragments often outlined with bituminous material, also bituminous material along frequent stylitic partings.

Core No. 4 1060 - 1075 Recovery 15.5 feet

Limestone as above, occasional stromatoperoïd up to two inches across. Also some sponges.

Core No. 5 1075 - 1078 Recovery 1.5 feet

Limestone as above, no fossils.

Core No. 6 1078 - 1082 Recovery 1.0 feet

Limestone as above.

Core No. 7 1082 - 1087 Recovery 1.0 feet

Limestone as above.

N.B. At 1075 core Barrett dropped in hole and bit sub bent - endeavored to straighten and cored hole. Stopped until arrival of new sub.

Core No. 8 1087 - 1102 Recovery 9 feet

Light brown dense, detrital limestone - pebbles up to $1\frac{1}{2}$ " - stylitic partings. Slight H₂S odor and fresh fracture.

Core No. 9 1102 - 1115 Recovery 16 feet

Limestone as above.

Core No. 10 1115 - 1128 Recovery 11 feet

Brown, generally dense argillaceous limestone, occasional large megascopic fossil.

1115 - 1117 Limestone - fracture just touching edge of core, bleeding from pin point porosity.

1117 - 1119.5 Open fracture showing crystal growth on walls. Tight parallel fracture with bleeding, also little bleeding from pin point porosity and irregular hair fracture.

At 1123.5, 4" of oil saturation with light bleeding on core walls, and little pin point porosity. Same at 1126.5.

1126.5-1128 Irregular hair fractures with bleeding also from pin point porosity - one vug approximately $\frac{1}{4}$ " - $\frac{3}{8}$ ".

Core No. 11 1128 - 1142 Recovery 16 feet

1128 - 1131 Detrital limestone as before.

1131 - 1142 Fine grained lighter brown argillaceous limestone, at 1135 - clump of several large fossils possibly sponges - stylitic partings, slight odor H₂S.

Core No. 12 1142 - 1155 Recovery 7 feet

1142 - 1153 Limestone, light brown argillaceous, dense, little pin point vuggy porosity with slight bleeding and H₂S odor to fresh fracture.

1153 - 1155 Dolomite - fair intergranular porosity, water saturations, no oil signs, strong odor H₂S.

Cor

Core No. 13 1155 - 1165 Recovery 7 feet

Dolomite - chocolate brown dolomite, fairly dense but granular, water saturation plus H₂S, probably 20% anhydrite as stringers, crystals and blebs.

End of hole - 1165 feet.

D. C. Leggett.

DEEP BAY NO. 6

0 - 10	Coarse gravel.
10 - 20	Coarse gravel.
20 - 30	Coarse gravel and sand.
30 - 40	Coarse gravel and sand.
40 - 50	Coarse gravel and sand.
50 - 60	Coarse gravel and sand.
60 - 70	Coarse gravel and sand.
70 - 80	Coarse gravel and sand.
80 - 90	Mostly sand.
90 - 100	Mostly sand.
100 - 110	As above, possibly 10% light grey green shale.
110 - 120	Grey green slightly calcareous shales, medium hard.
120 - 130	30% grey green calcareous shale. 70% brown compact, fairly hard shale, some sericite and micro fossiliferous.
130 - 140	Brown shale as above.
140 - 150	10% brown shale, 90% grey-green shale, soft, calcareous.
150 - 160	10% brown shale, 90% grey-green shale, soft, calcareous.
160 - 170	100% grey green shales, calcareous, soft.
170 - 180	100% grey green shales, calcareous, soft.
180 - 190	100% grey green shales, calcareous, some coarse gravel.
190 - 200	100% grey green shales, some coarse gravel.
200 - 210	100% grey green shales, calcareous.
210 - 220	100% grey green shales, calcareous.
220 - 230	100% grey green shales, calcareous.
230 - 240	100% grey green shales, calcareous.
240 - 250	100% grey green shales, calcareous.
250 - 260	100% grey green shales, calcareous.
260 - 270	100% grey green shales, calcareous.
270 - 280	100% grey green shales, calcareous.
280 - 290	100% grey green shales, calcareous, slightly sericitic, little fine pyrite.
290 - 300	100% grey green shales, calcareous, slightly sericitic, little fine pyrite.
300 - 310	Grey green, soft shale, slightly calcareous.
310 - 320	Grey green, soft, shale, slightly more calcareous.
320 - 330	Grey green, soft shale, slightly more calcareous.
330 - 340	Grey green, soft shale, slightly less calcareous.
340 - 350	Grey green, soft shale, slightly more calcareous.
350 - 360	Grey green, soft shale, slightly more calcareous.
360 - 370	Grey green, soft shale, slightly more calcareous.
370 - 380	Grey green, soft shale, quite calcareous.
380 - 390	Grey green, soft shale, quite calcareous.
390 - 400	Grey green, soft shale, only slightly calcareous.
400 - 420	As above.
420 - 430	As above, slightly darker grey, somewhat calcareous.
430 - 440	As above, porosity 5%. Light brown-grey.
440 - 450	As above, occasional micro-fossil with nodules, of fine disseminated pyrite.
450 - 460	As above, no fossils, no brown shale.
460 - 470	As above.
470 - 480	Shale, slightly more compact, little brownish shale, slightly calcareous.
480 - 490	As above, only slightly calcareous.
490 - 500	As above.
500 - 510	As above.
510 - 520	As above.

CORE LABORATORIES - CANADA LTD.
CALGARY ALBERTA

Company - PUNCH PETROLEUM LTD.	Date Report - NOVEMBER 24, 1952	Page - 1 of 1
Well - DEEP BAY NO. 6	Elevation -	File - EL-466
Field - WILDCAT, N. W. T.	Formation -	Analysts - DA
	Cores - DIAMOND	Remarks -

SAMPLE NUMBER	DEPTH REPRESENTED FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION OIL % PORE	TOTAL WATER % PORE	VISUAL EXAMINATION
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1	1126.5'	0.1	5.8	34.5	20.7	Fine grained lime
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Company: Punch Pete
Well # 1 Deep Bay Contract

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well #1 Deep Bay Contractor Guth Sulz Co. Type Rig Caschew Date Nov 1/5-2 Days on Well 15

DEPTH	1st Tour From: 12 ⁰⁰ To: 8 ⁰⁰							2nd Tour From: 8 ⁰⁰ To: 4 ⁰⁰							3rd Tour From: 4 ⁰⁰ To: 12 ^{PM}																											
	From To		Hole Made	Hole Size	Formation			From To		Hole Made	Hole Size	Formation			From To		Hole Made	Hole Size	Formation																							
	1043 1045		2	8 7/8				1045 1056		11	5 1/2				1056 1068		12	5 1/2																								
DRILL PIPE	Stds.		Singles	Kelly	Drill Collar Ft.		Core Bbl. Ft.		Stds.		Singles	Kelly	Drill Collar Ft.		Core Bbl. Ft.		Stds.		Singles	Kelly	Drill Collar Ft.		Core Bbl. Ft.																			
									38		26.11				21.40				34		26.11		21.40																			
BIT RECORD	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET																
								Drilled	Reamed									Drilled	Reamed							Drilled	Reamed															
	5	M-5	975	1045	25			70			Diamond				3 1/2			11			Diamond				4 1/4		400	12														
	Bit Serial No. 11 867							R.P.M.		Bit Serial No. 10 Diamond							R.P.M. 35		Bit Serial No. Diamond							R.P.M. 55																
SURVEYS	Kind at		Ft.		Deg. off		Kind at		Ft.		Deg. off		Kind at		Ft.		Deg. off		Kind at		Ft.		Deg. off																			
	HOURS		Line Press	REPAIRS		HOURS		Line Press	REPAIRS		HOURS		Line Press	REPAIRS		HOURS		Line Press	REPAIRS		HOURS		Line Press	REPAIRS																		
SLUSH PUMP RECORD	On Line		Circulating	Yes	No	On Line		Circulating	Yes	No	On Line		Circulating	Yes	No	On Line		Circulating	Yes	No	On Line		Circulating	Yes	No																	
Pump No. 1	2					3 1/2			200	Kelly Line	4 1/4			200	Pump	5 1/4			200	Pump	6 1/4			200	Pump																	
MUD RECORD	Wt.	Visc.	W.L.	Time	Additives		Wt.	Visc.	W.L.	Time	Additives		Wt.	Visc.	W.L.	Time	Additives		Wt.	Visc.	W.L.	Time	Additives																			
							11	40					10.4	41.																												
CORING	From	To	Ft. Rec'd.	Core No.	Type Bbl.		From	To	Ft. Rec'd.	Core No.	Type Bbl.		From	To	Ft. Rec'd.	Core No.	Type Bbl.		From	To	Ft. Rec'd.	Core No.	Type Bbl.																			
							1045	1056	15	2	Core Lab		1056	1060	15	2	Core Lab		1060	1068																						
					Hrs.						Hrs.						Hrs.						Hrs.																			
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time_____hrs. Total Company Time_____hrs. Total Contract Time_____hrs. Total Company Time_____hrs. Total Contract Time_____hrs. Total Company Time_____hrs.																																									
	12 ⁰⁰ - 12 ⁴⁵ - R.O. Sea														8 ⁰⁰ - 8 ¹⁵ - Rig Sea														CORING 1 1/2													
	12 ⁴⁵ - 1 ⁰⁰ - Drilling														8 ¹⁵ - 11.30 - FIN pull out +														TRIP OUT Recovered core 1 3/4													
1 ⁰⁰ - 2 ⁰⁰ - Circ														Laid down D.C. picked up														Saw bbl. Trip in 1 1/2														
2 ⁰⁰ - 6 ⁰⁰ - Trip w/ Junk BASKET.														C.B. - RUN.														w.o. Pump + saw in 3/4														
6 ⁰⁰ - 7 ³⁰ - Circ														11.30 - Drilling Coring														Coring 2 3/4														
7 ³⁰ - 8 ⁰⁰ - Pulling out.														4:30 - 5:30 w.o. Kelly hose to Pump														w.o. Light Plant 1/4														
														2:30 - 4:00 Coring																												
Driller J. U. Brodin														Driller D. Gost														Driller F. Reddin														

Toolpusher

Toolpusher L. E. Anderson

Approved by _____

Approved by _____

Company: Punch Pete.
Well: #11

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Contractor: Garb & Co. Type Rig: Crawler

Date: Oct 31/52 Days on Well: 14

DEPTH	1st Tour From: <u>12:00</u> To: <u>8 A.M.</u>					2nd Tour From: <u>8 A.M.</u> To: <u>4 P.M.</u>					3rd Tour From: <u>4 P.M.</u> To: <u>12:15</u>																		
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation														
	<u>982</u>	<u>1005</u>	<u>21</u>	<u>8 5/8</u>	<u>Line</u>	<u>1005</u>	<u>1027</u>	<u>22</u>	<u>8 5/8</u>		<u>1027</u>	<u>1043</u>	<u>16</u>	<u>8 3/8</u>															
DRILL PIPE	Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.																		
	<u>0</u>	<u>35</u>	<u>26.91</u>	<u>29.03</u>		<u>37</u>	<u>26.91</u>	<u>29.03</u>			<u>37</u>	<u>26.91</u>	<u>29.03</u>																
BIT RECORD	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET			
								Drilled	Reamed									Drilled	Reamed									Drilled	Reamed
	<u>5</u>	<u>M-5</u>	<u>975</u>		<u>9</u>						<u>5</u>	<u>M-5</u>	<u>975</u>		<u>14 3/4</u>	<u>1027</u>	<u>8000</u>	<u>42</u>		<u>5</u>	<u>M-5</u>	<u>975</u>		<u>24</u>		<u>8000</u>	<u>58</u>		
	Bit Serial No. <u>11867</u> R.P.M.					Bit Serial No. <u>11867</u> R.P.M. <u>95</u>					Bit Serial No. <u>11867</u> R.P.M. <u>95</u>																		
SURVEYS	Kind at Ft. Deg. off					Kind at Ft. Deg. off					Kind at Ft. Deg. off																		
	HOURS					HOURS					HOURS																		
SLUSH PUMP RECORD	On Line Circulating Line Press REPAIRS					On Line Circulating Line Press REPAIRS					On Line Circulating Line Press REPAIRS																		
	<u>7 3/4</u> <u>4</u> <u>200</u> <u>Yes</u> <u>No</u>					<u>7 3/4</u> <u>—</u> <u>200</u> <u>Yes</u> <u>No</u>					<u>7 3/4</u> <u>1/2</u> <u>200</u> <u>Yes</u> <u>No</u>																		
MUD RECORD	Wt.	Visc.	W.L.	Time	Additives	Wt.	Visc.	W.L.	Time	Additives	Wt.	Visc.	W.L.	Time	Additives														
	<u>11.1</u>	<u>41</u>	<u>5</u>	<u>40</u>		<u>10.9</u>	<u>44</u>		<u>—</u>		<u>10.7</u>	<u>42</u>			<u>50 Tensar</u> <u>25 Cosmo</u>														
CORING	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.														
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time.....hrs. Total Company Time.....hrs. Total Contract Time.....hrs. Total Company Time.....hrs. Total Contract Time.....hrs. Total Company Time.....hrs.																												
	<u>8:00 - 12:15</u> <u>Rig Set</u>					<u>5:00 Rig 1/4</u>					<u>5:00 Rig + Clean Fuel Tank +</u>																		
	<u>12:15 - 8:00</u> <u>Drilling</u>					<u>Drilling 7 3/4</u>					<u>Lines 3/4</u>																		
											<u>Drilling 7 3/4</u>																		
	Driller <u>J.V. Budin</u>					Driller <u>A. Good</u>					Driller <u>Th. Rodin</u>																		

Toolpusher _____ Approved by _____

Company: Punch Pete
Well # VI

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Contractor: Clark Drilling Co Type Rig Cadwell

Date: Oct 30/52 Days on Well 13

DEPTH	1st Tour From: <u>12:00</u> To: <u>8 A.M.</u>										2nd Tour From: <u>8 A.M.</u> To: <u>4 P.M.</u>										3rd Tour From: _____ To: _____									
	From		To		Hole Made		Hole Size		Formation		From		To		Hole Made		Hole Size		Formation		From		To		Hole Made		Hole Size		Formation	
DRILL PIPE	937		960		23		8 3/8		<u>Limerick</u>		960		975		15		8 3/8													
	Stds.		Singles		Kelly		Drill Collar Ft.		Core Bbl. Ft.		Stds.		Singles		Kelly		Drill Collar Ft.		Core Bbl. Ft.		Stds.		Singles		Kelly		Drill Collar Ft.		Core Bbl. Ft.	
BIT RECORD	34		26.91		29.03						34		26.91		29.03															
	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET				
SURVEYS	4		S-6		930						4		S-6		930		975		15 3/4		975		15 3/4		975		15 3/4		975	
	Bit Serial No.		15027		R.P.M.						Bit Serial No.		15027		R.P.M.		95				Bit Serial No.		17867		R.P.M.		95			
SLUSH PUMP RECORD	Kind		at		Ft.		Deg. off				Kind		at		Ft.		Deg. off				Kind		at		Ft.		Deg. off			
	On Line		Circulating		Line Press		REPAIRS				On Line		Circulating		Line Press		REPAIRS				On Line		Circulating		Line Press		REPAIRS			
MUD RECORD	7 3/4		1/4								1				175															
	Wt.	Visc.	W.L.	Time	Additives						Wt.	Visc.	W.L.	Time	Additives						Wt.	Visc.	W.L.	Time	Additives					
CORING	11.1		38		5		4.00				11.		42								11.		40							
	From	To	Ft. Rec'd.	Core No.	Type	Bbl.					From	To	Ft. Rec'd.	Core No.	Type	Bbl.					From	To	Ft. Rec'd.	Core No.	Type	Bbl.				
DETAIL OF OPERATIONS AND REMARKS																														
Total Contract Time.....hrs. Total Company Time.....hrs. Total Contract Time.....hrs. Total Company Time.....hrs. Total Contract Time.....hrs. Total Company Time.....hrs.																														
12:00-12:15 - <u>Rie Ser</u>										4:00-4:15 <u>Rie Ser</u>										W.O. chis & saw ris 2 3/4										
12:15-8:00 - <u>Drilling</u>										4:15-4:30 <u>Drilling</u>										Finished TRIP out 3/4										
										4:30-4:45 <u>Check & Filled Surfact Table</u>										Chang - bit TRIP in 1 3/4										
										4:45-5:00 <u>Drilling</u>										W.O. Light Plant 2 3/4										
										5:00-5:15 <u>Stop. Tool out</u>										W.O. Pump motor 1/4										
																				Drilling 1 3/4										
Driller <u>J.V. Brodin</u>										Driller <u>A. Ford</u>										Driller <u>R. Rude</u>										

Toolpusher _____ Approved by _____

Company: Punch Petroleum
Well: # VI

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Contractor: Griffith & Co Type Rig: Cordwell

Date: Oct 29/57 Days on Well: 12

DEPTH	1st Tour From: <u>12.00</u> To: <u>8 A.M.</u>					2nd Tour From: <u>8 A.M.</u> To: <u>4 P.M.</u>					3rd Tour From: <u>4 P.M.</u> To: <u>12 P.M.</u>							
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation			
	<u>902</u>	<u>915</u>	<u>13</u>	<u>5 1/2</u>		<u>915</u>	<u>930</u>	<u>15</u>	<u>5 1/2</u>		<u>930</u>	<u>937</u>	<u>7</u>	<u>8 3/8</u>				
DRILL PIPE	Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.							
	<u>32</u> <u>2691</u>					<u>32</u> <u>26.91</u>					<u>32</u> <u>26.91</u> <u>2403</u>							
BIT RECORD	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET Drilled	Reamed	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET Drilled	Reamed
			<u>900</u>								<u>3</u>	<u>54</u>	<u>930</u>		<u>2</u>		<u>7000</u>	<u>7</u>
	Bit Serial No. <u>Deaume</u> R.P.M.					Bit Serial No. <u>Deaume</u> R.P.M. <u>55</u>					Bit Serial No. <u>15027</u> R.P.M. <u>95</u>							
SURVEYS	Kind at Ft. Deg. off					Kind at Ft. Deg. off					Kind at Ft. Deg. off							
	HOURS On Line Circulating Line Press REPAIRS Yes No					HOURS On Line Circulating Line Press REPAIRS Yes No					HOURS On Line Circulating Line Press REPAIRS Yes No							
SLUSH PUMP RECORD Pump No. 1	<u>5 3/4</u> <u>1 1/2</u> <u>2 1/2</u> <u>Yes</u>					<u>4 1/4</u> <u>200</u>					<u>6</u> <u>125</u>							
MUD RECORD	Wt.	Visc.	W.L.	Time	Additives	Wt.	Visc.	W.L.	Time	Additives	Wt.	Visc.	W.L.	Time	Additives			
	<u>11.6</u>	<u>50</u>	<u>4</u>	<u>400</u>	<u>25 lb Gumbo - water</u>	<u>10.9</u>	<u>41</u>				<u>11</u>	<u>41</u>						
CORING	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.			
	<u>900</u>	<u>15</u>	<u>13</u>	<u>I</u>	<u>Christman</u>	<u>915</u>	<u>930</u>	<u>16 1/2</u>	<u>I</u>	<u>Core Lab</u>								
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time.....hrs. Total Company Time.....hrs.					Total Contract Time.....hrs. Total Company Time.....hrs.					Total Contract Time.....hrs. Total Company Time.....hrs.							
	<u>12.00 - 12.15 - Big Sur</u> <u>12.15 - 2.30 - Coring</u> <u>2.30 - 3.30 - Work on pump</u> <u>3.30 - 7.00 - Coring</u> <u>7.00 - 8.00 - Pulled out</u>					<u>8.00 - 8.15 - Big Sur</u> <u>8.15 - 10.15 - Lubric Panel</u> <u>10.15 - 2.30 - Coring (run in)</u> <u>2.30 - 3.30 - Trip out & break off</u> <u>3.30 - 4.00 - Re-cemented core</u>					<u>Surge Rig 1/4</u> <u>Lit down CB. Pick up D.C. 1/4</u> <u>Total Pipe 1/4</u> <u>Run in 1 1/4</u> <u>Running 4</u> <u>Drilling 2</u>							
	Driller <u>J V Brodin</u>					Driller <u>A Good</u>					Driller <u>T. R. Roddis</u>							

Toolpusher _____ Approved by _____

DAILY DRILLING REPORT

Contractor

Type Ric

Date Oct 28/52

Days on Well..... 11

Toolpusher

Approved by

Company: Punch Pete
Well: # VI

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Contractor: Garb & Co. Type Rig: Cardwell

Date: Oct 27/52 Days on Well: 10

DEPTH	1st Tour From: <u>12.00</u> To: <u>8. A.M.</u>		2nd Tour From: <u>4.11</u> To: <u>4.11</u>		3rd Tour From: <u>4.11</u> To: <u>12.11</u>	
	From	To	From	To	From	To
DRILL PIPE	Hole Made <u>824</u> Hole Size <u>56</u> Formation <u>SHALE</u>		Hole Made <u>824</u> Hole Size <u>56</u> Formation <u>SHALE</u>		Hole Made <u>824</u> Hole Size <u>56</u> Formation <u>SHALE</u>	
	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	
BIT RECORD	2691		2903		2691	
	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth
SURVEYS	2 5-3 649		18			
	Bit Serial No. <u>19997</u>		R.P.M.			
SLUSH PUMP RECORD	Kind at Ft. Deg. off		Kind at Ft. Deg. off		Kind at Ft. Deg. off	
	HOURS		HOURS		HOURS	
MUD RECORD	On Line <u>7.44</u> Circulating <u>4</u>		On Line <u>7.44</u> Circulating <u>4</u>		On Line <u>7.44</u> Circulating <u>4</u>	
	Wt. <u>11</u> Visc. <u>40</u> W.L. <u>6.2</u> Time <u>4.00</u>		Wt. <u>11</u> Visc. <u>40</u> W.L. <u>6.2</u> Time <u>4.00</u>		Wt. <u>11</u> Visc. <u>40</u> W.L. <u>6.2</u> Time <u>4.00</u>	
CORING	From To Ft. Rec'd. Core No. Type Bbl.		From To Ft. Rec'd. Core No. Type Bbl.		From To Ft. Rec'd. Core No. Type Bbl.	
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time _____ hrs. Total Company Time _____ hrs.		Total Contract Time _____ hrs. Total Company Time _____ hrs.		Total Contract Time _____ hrs. Total Company Time _____ hrs.	
	12.00-12.15 - Rig Set. 12.15-8.00 - Drilling		12.00-12.15 - Rig Set. 12.15-8.00 - Drilling		12.00-12.15 - Rig Set. 12.15-8.00 - Drilling	
Driller <u>J.W. Brodin</u>		Driller <u>A. Good</u>		Driller <u>M. Rolden</u>		

Toolpusher _____ Approved by _____

Company: Punch P.T.E.
Well #6

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Contractor: Gark Dalgic Type Rig Cardwell

Date: Oct 26 Days on Well 9

DEPTH	1st Tour From: <u>12.00</u> To: <u>8 A.M.</u>		2nd Tour From: <u>8.15</u> To: <u>4 P.M.</u>		3rd Tour From: _____ To: _____																																					
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation																											
DRILL PIPE	Stds. <u>25.71</u> Singles <u>29.03</u> Kelly _____ Drill Collar Ft. _____ Core Bbl. Ft. _____		Stds. <u>20</u> Singles <u>25.71</u> Kelly _____ Drill Collar Ft. _____ Core Bbl. Ft. _____		Stds. <u>25</u> Singles <u>26.91</u> Kelly _____ Drill Collar Ft. _____ Core Bbl. Ft. _____																																					
	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET Drilled Reamed		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET Drilled Reamed		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET Drilled Reamed																
BIT RECORD	<u>25-3</u>		<u>649</u>								<u>2</u>		<u>5-3</u>		<u>644</u>				<u>3</u>		<u>675</u>		<u>1000</u>		<u>2-6</u>		<u>2</u>		<u>5-6</u>		<u>647</u>				<u>10 1/2</u>		<u>700</u>		<u>7000</u>		<u>119</u>	
	Bit Serial No. <u>19797</u>		R.P.M. _____		Bit Serial No. <u>19747</u>		R.P.M. <u>95</u>		Bit Serial No. <u>19747</u>		R.P.M. <u>95</u>																															
SURVEYS	Kind _____ at _____ Ft. _____ Deg. off _____		Kind _____ at _____ Ft. _____ Deg. off _____		Kind _____ at _____ Ft. _____ Deg. off _____																																					
	HOURS On Line _____ Circulating _____		Line Press _____ REPAIRS Yes _____ No _____		HOURS On Line _____ Circulating _____		Line Press _____ REPAIRS Yes _____ No _____		HOURS On Line _____ Circulating _____		Line Press _____ REPAIRS Yes _____ No _____																															
SLUSH PUMP RECORD Pump No. 1	Wt. <u>10.6</u> Visc. <u>45</u> W.L. <u>6</u> Time <u>400</u>		Additives _____		Wt. <u>10.5</u> Visc. <u>45</u> W.L. <u>6</u> Time _____		Additives _____		Wt. <u>10.6</u> Visc. <u>38</u> W.L. _____ Time _____		Additives _____																															
	From _____ To _____ Ft. Rec'd. _____ Core No. _____ Type Bbl. _____		From _____ To _____ Ft. Rec'd. _____ Core No. _____ Type Bbl. _____		From _____ To _____ Ft. Rec'd. _____ Core No. _____ Type Bbl. _____																																					
CORING	Hrs. _____		Hrs. _____		Hrs. _____																																					
	Total Contract Time _____ hrs. Total Company Time _____ hrs.		Total Contract Time _____ hrs. Total Company Time _____ hrs.		Total Contract Time _____ hrs. Total Company Time _____ hrs.																																					
DETAIL OF OPERATIONS AND REMARKS	<u>12.00 - 12.30 - Saw Rig & work on pumps</u>		<u>Saw rig 1/4</u>		<u>Saw rig 1/4</u>																																					
	<u>12.30 - 8.00 - running tight hole</u>		<u>Running to bottom 1/4</u>		<u>Drilling 7 1/2</u>																																					
Driller	<u>J. V. Brodin</u>		<u>A. G. G. G.</u>		<u>T. R. Reddin</u>																																					

Toolpusher _____ Approved by _____

Company: Punch Petr

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well D.B. #1 Contractor 02A. H.A. Type Rig Cable Tool Date Oct 25 Days on Well 8

DEPTH	1st Tour From: <u>12 P.M.</u> To: <u>P.M.</u>					2nd Tour From: <u>8 A.M.</u> To: <u>4 P.M.</u>					3rd Tour From: To:																
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation												
	<u>500</u>	<u>600</u>	<u>100</u>	<u>8 3/4"</u>	<u>Shale</u>	<u>600</u>	<u>649</u>	<u>49</u>	<u>8 3/4"</u>	<u>Shale</u>																	
DRILL PIPE	Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.																
	<u>18</u> <u>2571</u> <u>2903</u>					<u>19</u> <u>2571</u> <u>2903</u>																					
BIT RECORD	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET	
								Drilled	Reamed									Drilled	Reamed								
	<u>1</u>	<u>S-6</u>				<u>35 3/4</u>	<u>600</u>	<u>600</u>	<u>529</u>	<u>-</u>	<u>1</u>	<u>S-6</u>			<u>40 3/8</u>	<u>649</u>	<u>649</u>										
					<u>1</u>					<u>2</u>	<u>S-3</u>																
	Bit Serial No. <u>11941</u> R.P.M. <u>96</u>					Bit Serial No. <u>19941</u> R.P.M. <u>96</u>					Bit Serial No. R.P.M.																
						<u>19797</u>																					
SURVEYS	Kind	at	Ft.	Deg. off	HOURS				Line Press	REPAIRS				Kind	at	Ft.	Deg. off	HOURS				Line Press	REPAIRS				
					On Line	Circulating				Yes	No											On Line	Circulating				
					<u>7 1/2</u>	<u>1/2</u>	<u>175</u>																				
MUD RECORD	Wt.	Visc.	W.L.	Time	Additives				Wt.	Visc.	W.L.	Time	Additives				Wt.	Visc.	W.L.	Time	Additives						
	<u>10.9</u>	<u>46</u>	<u>5.7</u>		<u>50# Gumbo 25 Caustic</u>				<u>11</u>	<u>50</u>	<u>6</u>	<u>10.30</u>	<u>WATER</u>														
		<u>43</u>																									
CORING	From	To	Ft. Rec'd.	Core No.	Type	Bbl.	Hrs.		From	To	Ft. Rec'd.	Core No.	Type	Bbl.	Hrs.		From	To	Ft. Rec'd.	Core No.	Type	Bbl.	Hrs.				
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time.....hrs. Total Company Time.....hrs.								Total Contract Time.....hrs. Total Company Time.....hrs.								Total Contract Time.....hrs. Total Company Time.....hrs.										
	<u>Spur Rig 1/4</u>								<u>8:00 - 8:45 - RIG SET + WORK ON (PUMP)</u>																		
	<u>W.O. Pump 1/4</u>								<u>8:45 - 1:30 Drilling</u>																		
	<u>Thud Rig 1/2</u>								<u>1:30 - 1:45 Circ</u>																		
	<u>Drilling 7</u>								<u>1:45 - 3:00 Pulled out</u>																		
									<u>3:00 - 4:00 Running in w/ Bit No 2, plugged - work on same</u>																		
	Driller <u>M. R. L. Din</u>								Driller <u>J. V. Brodin</u>								Driller										

Toolpusher _____ Approved by _____

Company: Punch PT 1

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well: Punch PT No. 6 Contractor: OZARKType Rig Crown All Terrain Date Oct. 24 Days on Well 7

DEPTH	1st Tour From: <u>12 PM</u> To: <u>8 PM</u>					2nd Tour From: <u>8 AM</u> To: <u>4 PM</u>					3rd Tour From: <u>4 PM</u> To: <u>12 PM</u>																	
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation													
	<u>280</u>	<u>396</u>	<u>116</u>	<u>8 5/8</u>		<u>12396</u>	<u>500</u>	<u>104</u>	<u>8 5/8</u>	<u>Shale & Sand</u>		<u>500</u>	<u>0</u>	<u>8 5/8</u>														
DRILL PIPE	Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.																	
	<u>25.71 W/S 29.03</u>					<u>25.71 W/S 29.03</u>					<u>15 22.71 29.03</u>																	
BIT RECORD	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		
								Drilled	Reamed									Drilled	Reamed									Drilled
	<u>1</u>	<u>S-3</u>			<u>2 1/2</u>	<u>396</u>		<u>325</u>		<u>1</u>	<u>S-3</u>			<u>28 3/4</u>	<u>500</u>		<u>429</u>		<u>1</u>	<u>S-3</u>			<u>28 3/4</u>	<u>500</u>		<u>429</u>		
	Bit Serial No. <u>19941</u> R.P.M.					Bit Serial No. <u>19941</u> R.P.M.					Bit Serial No. <u>19941</u> R.P.M.																	
SURVEYS	Kind at Ft. Deg. off					Kind at Ft. Deg. off					Kind at Ft. Deg. off																	
	HOURS					HOURS					HOURS																	
SLUSH PUMP RECORD Pump No. 1	On Line		Circulating		Line Press	REPAIRS		REPAIRS		On Line		Circulating		Line Press	REPAIRS		REPAIRS		On Line		Circulating		Line Press	REPAIRS		REPAIRS		
						Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	<u>7</u>		<u>1</u>							<u>7 1/2</u>		<u>3 1/2</u>				<u>8</u>		<u>8</u>		<u>15</u>								
MUD RECORD	Wt.	Visc.	W.L.	Time	Additives		Wt.	Visc.	W.L.	Time	Additives		Wt.	Visc.	W.L.	Time	Additives											
							<u>11</u>	<u>45</u>	<u>11</u>	<u>12 PM</u>			<u>11</u>	<u>41</u>														
CORING	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.													
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time _____ hrs. Total Company Time _____ hrs.					Total Contract Time _____ hrs. Total Company Time _____ hrs.					Total Contract Time _____ hrs. Total Company Time _____ hrs.																	
	<u>See log 1/4</u> <u>N.O.B.W. 3 1/4</u> <u>Wdg 7</u>					<u>8:00 - 8:15 - Rig Set</u> <u>8:15 - 3:30 - Drilling</u> <u>3:30 - 4:00 Work on Rig</u>					<u>Repair down 8</u>																	
	Driller <u>M. Reddin</u>					Driller <u>J.V. Brodin</u>					Driller <u>A. Good</u>																	

Toolpusher _____ Approved by _____

Company: Pure H P.T.

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well: Pure H P.T. No. 6Contractor: OZARKType Rig: Cable Tool Date: Oct 23Days on Well: 6

DEPTH	1st Tour From: <u>12 PM</u> To: <u>8 AM</u>					2nd Tour From: <u>8 AM</u> To: <u>4 PM</u>					3rd Tour From: <u>4 PM</u> To: <u>12 PM</u>																																														
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation																																										
		<u>71</u>				<u>71</u>	<u>183</u>	<u>112</u>	<u>8 1/2</u>	<u>SHALE</u>	<u>183</u>	<u>280</u>																																													
DRILL PIPE	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.																																										
												<u>8</u>	<u>25</u>	<u>30</u>																																											
BIT RECORD	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET			No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET																																							
								Drilled	Reamed									Drilled	Reamed																																						
											<u>3</u>	<u>S-3</u>	<u>71</u>		<u>7 1/4</u>	<u>112</u>		<u>112</u>																																							
	Bit Serial No.					R.P.M.						Bit Serial No. <u>19941</u>					R.P.M. <u>160</u>						Bit Serial No. <u>19941</u>					R.P.M. <u>160</u>																													
SURVEYS	Kind	at		Ft.		Deg. off														Kind	at		Ft.		Deg. off														Kind	at		Ft.		Deg. off													
	HOURS		Line Press	REPAIRS														HOURS		Line Press	REPAIRS														HOURS		Line Press	REPAIRS																			
SLUSH PUMP RECORD	On Line	Circulating		Yes	No													On Line	Circulating		Yes	No													On Line	Circulating		Yes	No																		
Pump No. 1																		<u>7 1/4</u>			<u>100</u>															<u>7 1/2</u>																					
MUD RECORD	Wt.	Visc.	W.L.	Time	Additives														Wt.	Visc.	W.L.	Time	Additives														Wt.	Visc.	W.L.	Time	Additives																
																			<u>9</u>	<u>45</u>	<u>10</u>		<u>ADD WATER</u>														<u>9</u>	<u>42</u>	<u>9</u>		<u>10" CORROX.</u>																
CORING	From	To	Ft. Rec'd.	Core No.	Type Bbl.													From	To	Ft. Rec'd.	Core No.	Type Bbl.													From	To	Ft. Rec'd.	Core No.	Type Bbl.																		
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time _____ hrs. Total Company Time _____ hrs.															Total Contract Time _____ hrs. Total Company Time _____ hrs.															Total Contract Time _____ hrs. Total Company Time _____ hrs.																										
	<u>nipple up</u> <u>pick up DRILL C.</u> <u>Run in Touch plug 67'</u>															<u>8.00-8.15 - Rig Set</u> <u>8.15-1.30 - DRILL OUT SHOT</u> <u>+ CONTINUING w/HOLE</u> <u>1.30-2.00 - mud w.o. pump</u> <u>2.00-4.00 - DRILL</u>															<u>SHOULDER RIG</u> <u>W.O. Pump</u> <u>CHINA MUD RIG</u> <u>DRILL</u>																										
	Driller <u>M. BRODIN</u>															Driller <u>J.V. BRODIN</u>															Driller <u>P. COO</u>																										

Toolpusher: J.E. Hume Approved by: _____

Company: Punch P.T.

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well: Punch P.T. No. 6Contractor: DZARKType Rig Conventional Taper Date Oct 22Days on Well 5

DEPTH	1st Tour From: To:					2nd Tour From: To:					3rd Tour From: To:									
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation					
		71																		
DRILL PIPE	Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.									
BIT RECORD	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET			
								Drilled	Reamed								Drilled	Reamed		
	Bit Serial No.					R.P.M.					Bit Serial No.					R.P.M.				
SURVEYS	Kind at Ft. Deg. off					Kind at Ft. Deg. off					Kind at Ft. Deg. off									
	HOURS					HOURS					HOURS									
SLUSH PUMP RECORD Pump No. 1	On Line		Circulating		Line Press	REPAIRS		REPAIRS		On Line		Circulating		Line Press	REPAIRS		REPAIRS			
						Yes	No	Yes	No						Yes	No	Yes	No		
MUD RECORD	Wt.	Visc.	W.L.	Time	Additives					Wt.	Visc.	W.L.	Time	Additives						
CORING	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.					
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time.....hrs. Total Company Time.....hrs.					Total Contract Time.....hrs. Total Company Time.....hrs.					Total Contract Time.....hrs. Total Company Time.....hrs.									
	W.D. Cement Borehole in					8.00 - 9.00 - W.D.C. 9.00 - 4.00 - n.ppl. up W.D.C.					W.D.C. - n.ppl. up.									
	J. Canola inguard Foot																			
	Driller <u>M. B. B. B. B.</u>					Driller <u>J. U. B. B. B.</u>					Driller <u>A. G. B. B.</u>									

Toolpusher

J. E. H. H. H.

Approved by

Company: Punch P.T.
Well: Punch P.T. No 6.

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Contractor: DEARH

Type Rig: WINDMILL TYPE Date: OCT 21

Days on Well: 4

DEPTH	1st Tour From: <u>12 PM</u> To: <u>8 AM</u>					2nd Tour From: <u>8 PM</u> To: <u>4 PM</u>					3rd Tour From: <u>4 PM</u> To: <u>12 PM</u>																		
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation														
DRILL PIPE	Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.																		
BIT RECORD	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET			
								Drilled	Reamed									Drilled	Reamed									Drilled	Reamed
	Bit Serial No. <u>5 m. T.H. 13 1/4</u>					R.P.M.					Bit Serial No.					R.P.M.					Bit Serial No.					R.P.M.			
SURVEYS	Kind at Ft. Deg. off					Kind at Ft. Deg. off					Kind at Ft. Deg. off																		
SLUSH PUMP RECORD Pump No. 1	HOURS		Line Press	REPAIRS		HOURS		Line Press	REPAIRS		HOURS		Line Press	REPAIRS															
	On Line	Circulating		Yes	No	On Line	Circulating		Yes	No	On Line	Circulating		Yes	No														
MUD RECORD	Wt.	Visc.	W.L.	Time	Additives	Wt.	Visc.	W.L.	Time	Additives	Wt.	Visc.	W.L.	Time	Additives														
		<u>Heavy</u>																											
CORING	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.														
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time.....hrs. Total Company Time.....hrs. Total Contract Time.....hrs. Total Company Time.....hrs. Total Contract Time.....hrs. Total Company Time.....hrs.																												
	<u>SHOT TIGHT HOLE WITH DYNAMITE</u>																												
	<u>Run in with 13 1/4 Annular To Bottom</u>																												
	<u>& CIRC.</u>																												
<u>Pick up casing would not gain</u>																													
<u>Lead down same</u>																													
<u>Annular</u>																													
<u>Run casing To Bottom</u>																													
<u>9 5/8" - OK</u>																													
Driller <u>M. A. ...</u>																													
Driller <u>J. V. ...</u>																													
Driller <u>P. ...</u>																													

Toolpusher: J. E. ...

Approved by: _____

Company: Punch P-T

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well: Punch P-T No.Contractor: DEARType Rig: 1440WHEATRIK Date: OCT 20Days on Well: 3

DEPTH	1st Tour From: <u>12 PM</u> To: <u>8 AM</u>					2nd Tour From: <u>8 AM</u> To: <u>4 PM</u>					3rd Tour From: <u>4 PM</u> To: <u>12 PM</u>																		
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation														
59	71	16	48	CAVIL																									
DRILL PIPE	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.														
BIT RECORD	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET												
								Drilled	Reamed								Drilled	Reamed											
1	1 1/2	0	71	13 1/4	71	71	20										51												
Bit Serial No. <u>1196</u>					R.P.M.					Bit Serial No. <u>SMITH 13 1/4</u>					R.P.M. <u>100</u>					Bit Serial No. <u>SMITH 13 1/4</u>					R.P.M.				
SURVEYS	Kind	at	Ft.	Deg. off	Kind					at	Ft.	Deg. off	Kind					at	Ft.	Deg. off									
	HOURS		Line Press	REPAIRS	HOURS		Line Press	REPAIRS	HOURS		Line Press	REPAIRS	HOURS		Line Press	REPAIRS													
SLUSH PUMP RECORD	On Line	Circulating	Yes	No	On Line	Circulating	Yes	No	On Line	Circulating	Yes	No	On Line	Circulating	Yes	No													
Pump No. 1	7 1/2		50		7 1/2	3																							
MUD RECORD	Wt.	Visc.	W.L.	Time	Additives	Wt.	Visc.	W.L.	Time	Additives	Wt.	Visc.	W.L.	Time	Additives														
CORING	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.														
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time.....hrs. Total Company Time.....hrs.					Total Contract Time.....hrs. Total Company Time.....hrs.					Total Contract Time.....hrs. Total Company Time.....hrs.																		
	SACU. RIG 1/2					8.00 - 8.15 SACU RIG					Running casing																		
DRILL 3 1/4					8.15 - 12.15 Running					UNABLE TO GET 2ND JT DOWN																			
TRIP OUT MAKE UP 13 1/4					12.15 - 12.45 CIRC.					REAMED OUT HOLE																			
Running 4 HRS					12.45 - 3.36 TRIP + CIRC. RIG UP					STILL UNABLE TO GET CASING IN																			
					RUN CASING					PULL CASING & HAND DOWN.																			
					3.30 - 4.00 WORK ON CASING.																								
Driller <u>M. BRADIN</u>					Driller <u>T.V. BRADIN</u>					Driller <u>P. C. GORD</u>																			

Toolpusher: L.P. Alford

Approved by: _____

Company: Punch P.T.
Well: Punch P.T. No 6

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Contractor: DEAN DALLING Type Rig: MANUFACTURING Date: Oct 19

Days on Well

DEPTH	1st Tour From: <u>12 PM</u> To: <u>8 AM</u>					2nd Tour From: <u>8 AM</u> To: <u>4 PM</u>					3rd Tour From: <u>4 PM</u> To: <u>12 PM</u>				
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation
DRILL PIPE	Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.				
BIT RECORD	No. Type On Bottom At Pulled At Total Hours Run Depth Wt. Lbs. FEET Drilled Reamed					No. Type On Bottom At Pulled At Total Hours Run Depth Wt. Lbs. FEET Drilled Reamed					No. Type On Bottom At Pulled At Total Hours Run Depth Wt. Lbs. FEET Drilled Reamed				
SURVEYS	Kind at Ft. Deg. off					Kind at Ft. Deg. off					Kind at Ft. Deg. off				
	HOURS On Line Circulating Line Press REPAIRS Yes No					HOURS On Line Circulating Line Press REPAIRS Yes No					HOURS On Line Circulating Line Press REPAIRS Yes No				
MUD RECORD	Wt. Visc. W.L. Time Additives					Wt. Visc. W.L. Time Additives					Wt. Visc. W.L. Time Additives				
CORING	From To Ft. Rec'd. Core No. Type Bbl.					From To Ft. Rec'd. Core No. Type Bbl.					From To Ft. Rec'd. Core No. Type Bbl.				
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time.....hrs. Total Company Time.....hrs.					Total Contract Time.....hrs. Total Company Time.....hrs.					Total Contract Time.....hrs. Total Company Time.....hrs.				
	Digging RAT Hole					8.00 - 10.30 DAILY RAT Hole 10.30 - 1.00 work on pump 1.00 - 4.00 DRILL					w.o. swivel 1 3/4 w.o. pump 2 1/2 steering 1/4 DALLING 6 1/2				
Driller <u>M. A. DALLING</u>					Driller <u>J. U. B. DALLING</u>					Driller <u>P. C. DALLING</u>					

Toolpusher L. E. DALLING Approved by _____

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Company: PUNCH P.T. Well: PUNCH P.T. No. 6 Contractor: UTAH Type Rig: Crowell Taper Date: Oct. 18 Days on Well: _____

DEPTH	1st Tour From: To:					2nd Tour From: To:					3rd Tour From: To:																
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation												
DRILL PIPE	Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.																
BIT RECORD	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET	
								Drilled	Reamed									Drilled	Reamed								Drilled
SURVEYS	Kind at Ft. Deg. off					Kind at Ft. Deg. off					Kind at Ft. Deg. off																
SLUSH PUMP RECORD	HOURS					HOURS					HOURS																
	On Line Circulating Line Press Yes No					On Line Circulating Line Press Yes No					On Line Circulating Line Press Yes No																
MUD RECORD	Wt. Visc. W.L. Time Additives					Wt. Visc. W.L. Time Additives					Wt. Visc. W.L. Time Additives																
						MIX 15% JELL.																					
CORING	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.												
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time_____hrs. Total Company Time_____hrs. Total Contract Time_____hrs. Total Company Time_____hrs. Total Contract Time_____hrs. Total Company Time_____hrs.																										
	<u>Big up Hall water</u> <u>Big up mix Jell</u> <u>mix mud Digging RAT Hole</u>																										
Driller <u>M. BROWN</u>					Driller <u>J.V. BRODIN</u>					Driller <u>P. COO</u>																	
					Toolpusher <u>J.C. Almond</u>					Approved by _____																	

Company: Rockwell

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well	D#1	Contractor	OZARK	Type Rig	Cable Tool	Date	Nov 8 1952	Days on Well	
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DEPTH	1st Tour From: 12:00 To: 1:00								2nd Tour From: 1:00 To: 4:00								3rd Tour From: 4:00 To: 12:00																															
	From		To		Hole Made		Hole Size		Formation		From		To		Hole Made		Hole Size		Formation		From		To		Hole Made		Hole Size		Formation																			
DRILL PIPE	1155		TD								1155										1153		1165		10		5		Time																			
	Stds.		Singles		Kelly		Drill Collar Ft.		Core Bbl. Ft.		Stds.		Singles		Kelly		Drill Collar Ft.		Core Bbl. Ft.		Stds.		Singles		Kelly		Drill Collar Ft.		Core Bbl. Ft.																			
BIT RECORD	No.		Type		On Bottom At		Pulled At		Total Hours Run		Depth		Wt. Lbs.		FEET		No.		Type		On Bottom At		Pulled At		Total Hours Run		Depth		Wt. Lbs.		FEET																	
															Drilled		Reamed														Drilled		Reamed															
SURVEYS	Bit Serial No.								R.P.M.								Bit Serial No.								R.P.M.								Bit Serial No.								R.P.M.							
	Kind		at		Ft.		Deg. off		Kind		at		Ft.		Deg. off		Kind		at		Ft.		Deg. off		Kind		at		Ft.		Deg. off																	
SLUSH PUMP RECORD Pump No. 1	HOURS				Line Press		REPAIRS		HOURS				Line Press		REPAIRS		HOURS				Line Press		REPAIRS		HOURS				Line Press		REPAIRS																	
	On Line		Circulating		Yes		No		On Line		Circulating		Yes		No		On Line		Circulating		Yes		No		On Line		Circulating		Yes		No																	
MUD RECORD	Wt.		Visc.		W.L.		Time		Additives		Wt.		Visc.		W.L.		Time		Additives		Wt.		Visc.		W.L.		Time		Additives																			
CORING	From		To		Ft. Rec'd.		Core No.		Type Bbl.		From		To		Ft. Rec'd.		Core No.		Type Bbl.		From		To		Ft. Rec'd.		Core No.		Type Bbl.																			
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time.....hrs. Total Company Time.....hrs.								Total Contract Time.....hrs. Total Company Time.....hrs.								Total Contract Time.....hrs. Total Company Time.....hrs.								Total Contract Time.....hrs. Total Company Time.....hrs.																							
	w/o orders change hole on pump. w/o table speed								w/o pump to new standards - sand Trip in 1 1/2 Coring mud 3/4								53/1 4:00-4:30 - Rig Set & coring mud 4:30-7:00 CORING 7:00-9:15 - Pulled out & strapping pipe 9:15-12:00 - Tearing out								Driller J.V. Berlin																							

Toolpusher

Approved by _____

Company: Punch P. Co.

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well: D3 #6Contractor: OZARKType Rig: CordwellDate: Nov 7 1952

Days on Well: _____

DEPTH	1st Tour From: <u>12 PM</u> To: <u>PA 11</u>					2nd Tour From: <u>8 AM</u> To: <u>4 PM</u>					3rd Tour From: <u>4 PM</u> To: <u>12 PM</u>																			
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation															
	<u>1137</u>	<u>1142</u>	<u>5</u>	<u>5 1/2</u>		<u>1142</u>	<u>1148</u>	<u>6</u>	<u>5 1/2</u>		<u>1148</u>	<u>1155</u>	<u>7</u>	<u>5 1/2</u>																
DRILL PIPE	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.															
		<u>42</u>	<u>26.91</u>		<u>20.17</u>		<u>42</u>	<u>26.91</u>		<u>20.17</u>			<u>26.91</u>		<u>20.17</u>															
BIT RECORD	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET			No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET												
								Drilled	Reamed									Drilled	Reamed											
	<u>Diamond</u>				<u>5 1/2</u>			<u>14</u>			<u>Diamond</u>				<u>3</u>			<u>6</u>												
	Bit Serial No.					R.P.M. <u>50</u>					Bit Serial No.					R.P.M. <u>55</u>					Bit Serial No.					R.P.M.				
SURVEYS	Kind	at		Ft.		Deg. off		Kind		at		Ft.		Deg. off		Kind		at		Ft.		Deg. off								
	HOURS		Line Press	REPAIRS		On Line		Circulating	Yes	No	HOURS		Line Press	REPAIRS		On Line		Circulating	Yes	No	HOURS		Line Press	REPAIRS		On Line		Circulating	Yes	No
SLUSH PUMP RECORD Pump No. 1	<u>2</u>		<u>200</u>						<u>4</u>		<u>200</u>																			
MUD RECORD	Wt.	Visc.	W.L.	Time	Additives		Wt.	Visc.	W.L.	Time	Additives		Wt.	Visc.	W.L.	Time	Additives													
	<u>11</u>	<u>45</u>					<u>11</u>	<u>42</u>																						
CORING	From	To	Ft. Rec'd.	Core No.	Type	Bbl.	From	To	Ft. Rec'd.	Core No.	Type	Bbl.	From	To	Ft. Rec'd.	Core No.	Type	Bbl.												
	<u>1128</u>	<u>1142</u>	<u>14</u>				<u>1142</u>	<u>1148</u>					<u>1148</u>	<u>1155</u>	<u>6 1/2</u>															
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time _____ hrs. Total Company Time _____ hrs.						Total Contract Time _____ hrs. Total Company Time _____ hrs.						Total Contract Time _____ hrs. Total Company Time _____ hrs.																	
	<u>Coring 2</u> <u>SPR Rig 1/4</u> <u>TRIP out to Recovered CORN 1 1/4</u> <u>Load down C.B. Pickled with HCl</u> <u>UP Taster 1 1/4</u> <u>TRIP in with Taster, set Packer</u> <u>& hook up head 1 1/4</u> <u>Testing 1.</u>						<u>Testing 1/2</u> <u>Break the head & pulled out 1 1/4</u> <u>Break the head down Taster &</u> <u>Picked up & sent C.B. & sample</u> <u>1.</u> <u>Run in 1 1/4</u> <u>Coring 3 1/4</u> <u>unable to get in bottom at T.C. con.</u> <u>Reaming since 1/2</u>						<u>400 - 415 - R.C. S.R.</u> <u>415 - 630 - R.C. S.R.</u> <u>AL-GAIN C.I.R.</u> <u>630 - 920 - Reaming</u> <u>920 - 935 - CIRC (sample)</u> <u>935 - 1200 - pulled out, & W.O.</u>																	
	Driller <u>W. G. G. d</u>						Driller <u>Th. R. R. d. n.</u>						Driller <u>J. V. B. o. d. n.</u>																	

Toolpusher

L. E. A. b. n. e. r.

Approved by

DAILY DRILLING REPORT

Well 0251 Contractor OZARK

Type Rig Candwell Date Nov 1 52 Days on Well _____

Toolpusher L. E. Plummer Approved by _____

DAILY DRILLING REPORT

Well.....

Contractor.....

Type Rig

Date 11/06/2011

Days on Well..

Toolpusher

Approved by

Company: Ford Motor

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well.

Well DB #6

Contractor

Contractor OZARK

Type Rig

Type Rig Cardwell

Date _____

Date Nov. 3. 1952

Days on Well.

Days on Well.....

DEPTH	1st Tour From: 12 PM To: 2 PM					2nd Tour From: 2 PM To: 4 PM					3rd Tour From: 4 PM To: 12 PM							
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation			
DRILL PIPE	1079 1083 4 5 1/2					1083 1087 4 5 1/2					1087 1091 4 5 1/2							
	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.	Stds.	Singles	Kelly	Drill Collar Ft.	Core Bbl. Ft.			
BIT RECORD	39 26 40 21.90					4 24.91 20.19					26.91							
	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET	
								Drilled	Reamed								Drilled	Reamed
SURVEYS	Kind at Ft. Deg. off					Kind at Ft. Deg. off					Kind at Ft. Deg. off							
	HOURS					HOURS					HOURS							
SLUSH PUMP RECORD	On Line Circulating Line Press REPAIRS					On Line Circulating Line Press REPAIRS					On Line Circulating Line Press REPAIRS							
	2 1/4 200 CB					4 175												
MUD RECORD	Wt. Visc. W.L. Time Additives					Wt. Visc. W.L. Time Additives					Wt. Visc. W.L. Time Additives							
	11 42					11 42												
CORING	From To Ft. Rec'd. Core No. Type Bbl.					From To Ft. Rec'd. Core No. Type Bbl.					From To Ft. Rec'd. Core No. Type Bbl.							
	1079 1083 2 2 CHRISTIANSON					1082 1087 3 2 CHRISTIANSON												
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time hrs. Total Company Time hrs.					Total Contract Time hrs. Total Company Time hrs.					Total Contract Time hrs. Total Company Time hrs.							
	Coring 1 1/4					Coring 2 1/4					4:00 - 4:15 - Rig Set							
	Piled 1 1/4					Trip out 1 1/4					4:15 - 12:00 - RATTING							
	Reamed Core 1/4					Reamed Core 1/4												
	W.D. C.B. Bit Sub 1 1/4					Lead down CB - Pick up dc 3/4												
	Run in 1 1/4					TAP - Pick up 1/4												
	Coring 1/2					Saw Rig 1/4												
	Saw Rig 1/4					Run in 1 1/4												
						Run in 1 1/2												
	Driller					Driller					Driller							

Toolpusher

Toolpusher: L. E. Albrecht

Approved by

Approved by

Company: Punch Pete

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well the UT

Contractor

Type Rida

Date _____

Days on Well

DEPTH	1st Tour From: 12.00 To: 8.00					2nd Tour From: 8.00 To: 4.00					3rd Tour From: 4.00 To: 12.00									
	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation	From	To	Hole Made	Hole Size	Formation					
	1068			5 1/2		1070	1070	3	5 1/2		1078	1079	1	5 1/2						
DRILL PIPE	Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.					Stds. Singles Kelly Drill Collar Ft. Core Bbl. Ft.									
			26.91		21.90		39	20.41		21.90		34	20.41		21.90					
BIT RECORD	No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET		No.	Type	On Bottom At	Pulled At	Total Hours Run	Depth	Wt. Lbs.	FEET			
								Drilled	Reamed								Drilled	Reamed		
	Bit Serial No.					R.P.M.					Bit Serial No.					R.P.M.				
SURVEYS	Kind <u>Diagram</u> at <u> </u> Ft. <u> </u> Deg. off					Kind <u> </u> at <u> </u> Ft. <u> </u> Deg. off					Kind <u> </u> at <u> </u> Ft. <u> </u> Deg. off									
	HOURS		Line Press	REPAIRS		HOURS		Line Press	REPAIRS		HOURS		Line Press	REPAIRS						
On Line	Circulating	Yes		No	On Line	Circulating	Yes		No	On Line	Circulating	Yes		No						
SLUSH PUMP RECORD	Pump No. 1					Pump No. 1					Pump No. 1									
MUD RECORD	Wt.	Visc.	W.L.	Time	Additives	Wt.	Visc.	W.L.	Time	Additives	Wt.	Visc.	W.L.	Time	Additives					
CORING	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.	From	To	Ft. Rec'd.	Core No.	Type Bbl.					
	1060	1075	15	3	Chris	1075	1078	12		Chris	1078	1079	1							
	Hrs.					Hrs.					Hrs.									
DETAIL OF OPERATIONS AND REMARKS	Total Contract Time.....hrs. Total Company Time.....hrs.					Total Contract Time.....hrs. Total Company Time.....hrs.					Total Contract Time.....hrs. Total Company Time.....hrs.									
	12.00-12.15 - Rig Sea.					8.00-8.15 - Rig Sea.					4.00-4.15 - Rig Sea.									
	12.15-2.00 - Casing					8.15-10.30 - Straightening C.B.					4.15-4.30 - Casing									
	2.00-3.00 - Pulled Out					10.30-12.30 - Run in					4.30-5.00 - Pulled Out									
	3.00-3.30 - Run in 9th & 10th					12.30-2.30 - Casing					5.00-5.30 - Run in									
	slugs failed & lost string in hole					2.30-3.45 - Pulling out					5.30-6.00 - Pulling out									
	3.30-8.00 - fishing & no core.					3.45-4.00 - no core					6.00-6.30 - no core									
	Driller <u>J.V. Broden</u>					Driller <u>J.V. Broden</u>					Driller <u>J.V. Broden</u>									

Toolpusher

Approved by _____