

Punch Deep Bay

No. 7

583-11-4-2

PUNCH DEEP BAY NO. 7

Spudded in November 16, 1952 - 11p. m.

|           |                                                                                                                                                                                      |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 - 60    | Gravel and boulders                                                                                                                                                                  |
| 70 - 90   | Shale - soft light grey; somewhat micro-micaceous, highly calcareous.                                                                                                                |
| 90 - 110  | As above, 10-20% black carbonaceous, non calcareous, slightly harder.                                                                                                                |
| 110 - 120 | Shale soft light grey highly calcareous, some nodules fine pyrite; little sand.                                                                                                      |
| 120 - 130 | Shale as above.                                                                                                                                                                      |
| 130 - 140 | 90% shales as above, 10% brown fairly calcareous, micro fossiliferous and slightly more compact shales.                                                                              |
| 140 - 150 | 90% brown shales as above, 10% light grey                                                                                                                                            |
| 150 - 160 | Brown shale as above.                                                                                                                                                                |
| 160 - 170 | 80% brown shale as above. 20% light grey, soft highly calcareous shale, micro osseressitic.                                                                                          |
| 170 - 250 | Shale, as above.                                                                                                                                                                     |
| 250 - 260 | Shale, 80% - light grey as above, 20% dark brown micro-ceressitic, fairly hard shale; also narrow bands white crystalline shaly limestone, some fine disseminated pyrite as nodules. |
| 260 - 270 | Shale grey as above, trace white shaly limestone as above, also pyrite.                                                                                                              |
| 270 - 290 | Shales as above, but less calcareous and slightly harder, no limestone, little pyrite.                                                                                               |
| 290 - 300 | Shales as above - calcareous, noticeably harder.                                                                                                                                     |
| 300 - 305 | Shale as above, trace of grey crystalline limestone.                                                                                                                                 |
| 305 - 310 | Shale, light grey, compact, micro osseressitic, comparatively hard, fairly calcareous.                                                                                               |
| 310 - 330 | Shale, as above, only slightly calcareous, trace light brown crystalline limestone.                                                                                                  |

- 330 - 350 Shale, as above. No limestone, trace nodular pyrite.
- 350 - 380 Shale, as above, only 5 - 10% brown.
- 380 - 90 70% Green Shale, 30% brown as above with trace white limestone.
- 390 - 400 Shale, as above, little more grey to brown limestone.
- 400 - 405 Shale, possibly 10% brown. No limestone.
- 405 - 410 90% grey shale as above; possibly 5% dark brown, carbonaceous, sericitic shale slightly calcareous; 5% grey limestone. Some finely disseminated nodular pyrite.
- 410 - 415 Grey shale, trace limestone.
- 415 - 420 Shale, possibly 10% light brown non-calcareous, no limestone.
- 420 - 430 Shale, slightly darker, only slightly calcareous.
- 430 - 440 Shales, grey to brownish. Trace limestone.
- 440 - 450 Shales, 50% grey slightly calcareous. 50% brown, non-calcareous, some pyrite.
- 450 - 480 Shales, as above, trace limestone, grey to brownish grey.
- 480 - 490 Shale, as above. Trace black carbonaceous shale.
- 490 - 510 Shale, as above, trace light brown argillaceous limestone.
- 510 - 520 Shale, mainly light brown, compact, very calcareous.
- 520 - 530 Shale, 80% as above, 20% dark brown to black, micro sericitic shale, slightly calcareous.
- 530 - 540 Shale, grey to light brown. Trace light brown argillaceous limestone.
- 540 - 550 Shale, as above, trace light brown argillaceous limestone.
- 550 - 560 Shale and limestone, 50% grey to brown shale as above.

50% brown to white crystalline limestone, micro fossiliferous - only slightly argillaceous.

- 560 - 570 Shale and Limestone, as above - 90% shale, 10% limestone, no fossils observed.
- 570 - 580 Shale and limestone as above - some clusters of fine disseminated pyrite in Limestone.
- 580 - 590 As above.
- 590 - 610 Shale, as above, trace limestone.
- 610 - 615 Limestone and shale; 30% shale, slightly calcareous, grey to light brown, 70% limestone, crystalline, fairly argillaceous, brown to white, micro fossiliferous. Trace of sugary limestone with some fine porosity, no oil stain or reaction.
- 615 - 620 Limestone and shale, 10% grey shale, 40% hard, brown, compact, very calcareous shale, 50% limestone as above.
- 620 - 625 Limestone and shale, 30% grey, 30% brown shale, 40% limestone as above.
- 625 - 630 As above.
- 630 - 640 Limestone and shale, 40% shale as above. 50% limestone. Trace bituminous material.
- 640 - 650 As above, no bituminous material.
- 650 - 660 Shale and Limestone, 60% grey shale as above, 40% limestone as above.
- 660 - 670 Limestone and shale, 50% limestone, 50% shale as above.
- 670 - 680 As above.
- 680 - 690 Limestone and shale, 60% limestone, 40% shales.
- 690 - 700 Shales as above. Trace Limestone.
- 700 - 720 Shales, as above.
- 720 - 730 Shales, as above.
- 730 - 770 Shales, as above, trace limestone.

- 770 - 800 Shales, 50 - 50 brown and grey, trace limestone.
- 800 - 810 Shales, 60% dark brown, micro sercitic, compact and hard, strong petroliferous odor on drying sample, slightly micro fossiliferous.
- 810 - 819 As above, little disseminated fine pyrite - also indication of minor fracturing with tight carbonaceous filling at right angles to partings.
- 820 Bottom hole sample: As above. Shales become darker to almost black carbonaceous, quite hard.
- 820 - 825 Shales, as above, trace grey white limestone.
- 825 - 827 (B. H. Sample) As above - indications of minor fracturing with little fine pyritic filling at right angles to partings. Trace white to tan limestone.
- 827 - 830 Shales and limestone, 70% brown to black, compact petroliferous shales, slightly calcareous, 30% limestone dense, tan to brown occasionally micro fossiliferous and argillaceous.
- 830 - 835 Shales and limestones, 60% shale of which 70% black slightly micro fossiliferous; 40% limestone grey to light brown, dense, only slightly argillaceous.
- 835 - 840 Shales; 50-50 brown to black carbonaceous, dense, micro fossiliferous and petroliferous; calcite.
- 840 - 845 Shales and limestones - 60% shales as above; 20% limestone as above; 20% light brown crystalline limestone micro fossiliferous, tiny calcareous stringers, fairly argillaceous.
- 845 - 850 Limestone and shale; 70% mostly brown, dense to crystalline limestone to quite argillaceous, micro fossiliferous; 30% brown shales as above.
- Core No. 1
- 850 - 865 Recovery 6'
- Interbedded fine grey dense brown argillaceous limestone and black carbonaceous shales with strong H<sub>2</sub>S odor.

Core No. 2

- 865 - 865 Recovered 4 feet  
Mudstone fine grained grey conchoidal fracturing.
- 866 - 870 Limestone and shale - 70% limestone brown very dense, possibly partly very limey mudstone as in No. 5. 30% brown to black carbonaceous shales as above.
- 870 - 875 Mudstone and Limestone, 90% mudstone, dense, light brown very fine grained calcareous, scattered fine pyrite, 10% limestone as above.
- 875 - 880 As above, possibly 10% brown to black shales.
- 880 - 885 As above.
- 885 - 890 Limestone and shale - 90% tan, fine grained, very dense, fairly soft argillaceous limestone, 10% shales and mudstones as above.
- 890 - 895 Limestone and shale, 90% limestone as above with trace dark brown micro-crystalline 10% shales.
- 895 - 900 Limestone as above with possible 5% dark brown micro crystalline and micro fossiliferous.
- 900 - 905 Limestone as above, harder.
- 905 - 910 Shales and Limestone 45% mudstone as previous, 45% grey to brown shales, fissile, calcareous. 10% limestone as above.
- 910 - 915 Shales and Limestone, 85% shales and mudstone as above. 15% limestone brown, micro crystalline and micro fossiliferous.
- 915 - 920 Limestone 80% dirty white to light tan micro fossiliferous fragmental limestone poor to fair microscopic intergranular porosity with fluorescence and positive oil reaction to carbon tetrachloride. Little black, carbonaceous shale probably as partings (?). 20% brown crystalline limestone, micro fossiliferous dense.
- 920 - 925 Limestone and shale, 25% limestone as above. 45% brown microcrystalline micro fossiliferous limestone, poor pin point porosity; 30% black carbonaceous shale.

- 925 B. H. Sample. Approximately the same as 915 - 920.
- 925 - 930 Limestone 20% as above, 80% white flecked with black grains possibly bituminous - fluoresces - crystalline. Little microscopic intergranular porosity micro fossiliferous.
- 930 - 935 Limestone, light tan crystalline - micro fossiliferous, trace intergranular porosity some light oil staining.
- 935 - 940 Limestone, varying from white through tan to black grey as above with trace of porosity, little oil staining.
- 940 - 945 Limestone, as above, no porosity very little oil staining. trace black carbonaceous shale.
- 945 - 950 Limestone, mostly tan to brown not as fossiliferous micro-crystalline possibly 10%-20% shales as above.
- 950 - 955 Limestone, brown to brown black, crystalline, tight, slight argillaceous and fairly micro-fossiliferous with black carbonaceous shale partings.
- 955 - 960 Limestone and shale, 70% limestone as above, 30% black, carbonaceous shale.
- 960 - 970 Limestone and shale as above.
- 970 - 975 Limestone, light brown to brown, micro crystalline, dense argillaceous, occasional microfossil.
- 975 - 980 Limestone, as above.
- 980 - 985 Limestone as above. Trace of pin point porosity.
- 985 - 990 Limestone as above.
- 995 - 1000 Limestone, white, chalky to crystalline fragmental and fossiliferous. Corals observed, poor microscopic intergranular porosity plus also probably some vuggy porosity, positive oil reaction to carbon tetrachloride.
- 1000-1005 Limestone as above.
- 1005-1010 Limestone, fragmental crystalline as above, fossiliferous, oil staining 60% less - scattered poor intergranular porosity.

- 1010 - 1015 Limestone fragmental and fossiliferous - probably still reef and darker brown, occasional pin point porosity with oil staining, possibly some vuggy porosity.
- 1015 - 1040 Limestone, as above, coral, some vuggy porosity.
- 1040 - 1050 As above, indication of some vuggy porosity.
- 1050 - 1055 As above,
- 1055 - 1060 As above, only very little porosity, occasional grain and parting of bituminous material.
- 1060 - 1065 Limestone, still reef material but more compact and dense and darker brown.
- 1065 - 1070 Limestone reef material, fragmental light brown - fossiliferous, some scattering poor intergranular porosity, little bituminous material.
- 1070 - 1073 Limestone, as above, slightly less porosity.
- 1073 - 1080 Limestone, as above, trace porosity, slightly more bituminous material some as partings.
- 1080 - 1095 Limestone as above, no porosity.
- 1095 - 1100 Limestone 50% as above, 50% dense, brown microcrystalline limestone.
- 1100 - 1105 Limestone 50% reef material with trace vuggy porosity - balance as above.
- 1105 - 1110 Limestone 60% reef material balance as above.
- 1110 - 1115 Limestone - fragmental mostly light to dark brown, microcrystalline to dense argillaceous with some white chalky limestone in association with the latter.
- 1115 - 1120 Limestone as above, occasional tiny calcite stringers.
- 1120 - 1125 Limestone brown, dense, fragmental with chalky patches 5 - 10%. Granular oil stained poor intergranular porosity, bituminous material - reacts slowly but completely to H. C. I.
- 1125 - 1130 Limestone fragmental, dark brown grey dense, with some chalky patches. Trace vuggy porosity with oil staining.
- 1130 - 1135 Limestone fragmental light to dark brown with some chalky little vuggy porosity with oil staining.

- 1136 Bottom Hole Sample: - 15% limestone as above, 85% granular limestone - fair to good intergranular porosity, light oil staining, sulphur odor on heating.
- 1135 - 1140 Limestone as above.
- 1140 - 1145 Limestone, granular light brown, 10% with oil stain - little anhydrite.
- 1146 Bottom Hole Sample, as above.

D. G. Leggett

D. S. T. No. 1 900 - 930. Valve open 30 minutes. Fair initial blow dying immediately. Misrun. Recovered 3' mud.

# TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Company: Shackleton

Well: 3057

Contractor: 02 Park

Type Rig: Condonell

Date: 7/26/56

Days on Well: 1732

| DEPTH                                         | 1st Tour From: <u>12 PM</u> To: <u>8 PM</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 |          |              |           |  |
|                                               | <u>12 PM</u>                                                                                                                     | <u>8 PM</u> | <u>26</u>    | <u>8 3/4</u> |                              | <u>8 PM</u>                                                                                                                      | <u>4 PM</u> | <u>33</u>    | <u>8 3/8</u> |                                               | <u>4 PM</u>                                                                                                                                                                                                                                                                                       | <u>12 PM</u> | <u>5</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>30</u> <u>24.85</u> <u>24.03</u> <u>2.06</u>                                                                                  |             |              |              |                              | <u>35</u> <u>24.85</u> <u>24.03</u> <u>2.06</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>2</u>                                                                                                                         | <u>6WS</u>  |              |              | <u>7 3/4</u>                 |                                                                                                                                  |             | <u>57</u>    | <u>16</u>    |                                               | <u>2</u>                                                                                                                                                                                                                                                                                          | <u>6WS</u>   |            |                 | <u>14</u> |          |              | <u>97</u> |  |
| Bit Serial No. <u>51226</u> R.P.M. <u>100</u> |                                                                                                                                  |             |              |              |                              |                                                                                                                                  |             |              |              | Bit Serial No. <u>51226</u> R.P.M. <u>120</u> |                                                                                                                                                                                                                                                                                                   |              |            |                 |           |          |              |           |  |
| 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>10.6</u>                                                                                                                      | <u>42</u>   | <u>4.9</u>   |              |                              | <u>10.7</u>                                                                                                                      | <u>43</u>   | <u>4.9</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>TRIP in 1 1/4</u><br><u>Remain 2 1/2</u><br><u>no. Dr. 6</u> <u>Table 1/2</u><br><u>Drilling 3 1/2</u><br><u>Spur Rig 1/4</u> |             |              |              |                              | <u>Spur Rig 1/4</u><br><u>Set Tool 3/4</u><br><u>W.C. Pump &amp; Gas lines 1</u><br><u>Circ BHS 1/2</u><br><u>Drilling 5 1/2</u> |             |              |              |                                               | <u>4:00 - 4:15 - Rig. In</u><br><u>4:15 - 5:00 - Drilled</u><br><u>5:00 - 6:00 - Circ</u><br><u>6:00 - 7:30 - Pulled out &amp; laid D.P. down</u><br><u>7:30 - 9:45 - made up packer + run in</u><br><u>9:45 - 10:15 - packer arm</u><br><u>10:15 - 12:00 - pulled out &amp; laid packer down</u> |              |            |                 |           |          |              |           |  |
| Driller <u>A. E. O'Neil</u>                   |                                                                                                                                  |             |              |              | Driller <u>W. S. Rickett</u> |                                                                                                                                  |             |              |              | Driller <u>J. U. Briden</u>                   |                                                                                                                                                                                                                                                                                                   |              |            |                 |           |          |              |           |  |

Toolpusher L. E. Allen

Approved by J

Company: Lunch P...

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well: D-27 Contractor: DRACK Type Rig: Cardwell Date: Nov 25 1952 Days on Well: \_\_\_\_\_

|                                                                                                                                                                                        |                                                                     |         |              |                  |                 |                                                                     |          |           |                  |               |                                                                     |              |           |                  |               |          |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------|--------------|------------------|-----------------|---------------------------------------------------------------------|----------|-----------|------------------|---------------|---------------------------------------------------------------------|--------------|-----------|------------------|---------------|----------|------|
| DEPTH                                                                                                                                                                                  | 1st Tour From: <u>125</u> To: <u>135</u>                            |         |              |                  |                 | 2nd Tour From: <u>145</u> To: <u>155</u>                            |          |           |                  |               | 3rd Tour From: <u>400</u> To: <u>1200</u>                           |              |           |                  |               |          |      |
|                                                                                                                                                                                        | From                                                                | To      | Hole Made    | Hole Size        | Formation       | From                                                                | To       | Hole Made | Hole Size        | Formation     | From                                                                | To           | Hole Made | Hole Size        | Formation     |          |      |
| DRILL PIPE                                                                                                                                                                             | <u>130</u> <u>135</u> <u>6</u> <u>5 1/2</u>                         |         |              |                  |                 | <u>145</u> <u>155</u> <u>7</u> <u>5 1/2</u>                         |          |           |                  |               | <u>465</u> <u>866</u> <u>1</u> <u>5 1/2</u>                         |              |           |                  |               |          |      |
|                                                                                                                                                                                        | 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                                                                                                                                                                             | <u>24</u> <u>24.5</u> <u>20.1</u>                                   |         |              |                  |                 | <u>29</u> <u>24.85</u> <u>20.19</u>                                 |          |           |                  |               | <u>24.85</u> <u>20.19</u>                                           |              |           |                  |               |          |      |
|                                                                                                                                                                                        | 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                                                                                                                                                                                | <u>Drilled</u> <u>3 1/2</u> <u>6</u>                                |         |              |                  |                 | <u>Drilled</u> <u>9 3/4</u> <u>15</u>                               |          |           |                  |               |                                                                     |              |           |                  |               |          |      |
|                                                                                                                                                                                        | Bit Serial No. _____ R.P.M. <u>5</u>                                |         |              |                  |                 | Bit Serial No. _____ R.P.M. <u>5</u>                                |          |           |                  |               | Bit Serial No. _____ R.P.M. _____                                   |              |           |                  |               |          |      |
| SLUSH PUMP RECORD                                                                                                                                                                      | Kind _____ at _____ Ft. _____ Deg. off _____                        |         |              |                  |                 | Kind _____ at _____ Ft. _____ Deg. off _____                        |          |           |                  |               | Kind _____ at _____ Ft. _____ Deg. off _____                        |              |           |                  |               |          |      |
|                                                                                                                                                                                        | HOURS<br>On Line _____ Circulating _____                            |         |              |                  |                 | HOURS<br>On Line _____ Circulating _____                            |          |           |                  |               | HOURS<br>On Line _____ Circulating _____                            |              |           |                  |               |          |      |
| MUD RECORD                                                                                                                                                                             | Line Press _____ REPAIRS Yes _____ No _____                         |         |              |                  |                 | Line Press _____ REPAIRS Yes _____ No _____                         |          |           |                  |               | Line Press _____ REPAIRS Yes _____ No _____                         |              |           |                  |               |          |      |
|                                                                                                                                                                                        | <u>3 1/2</u> <u>20</u> <u>C.B.</u>                                  |         |              |                  |                 | <u>6 1/4</u> <u>200</u>                                             |          |           |                  |               |                                                                     |              |           |                  |               |          |      |
| CORING                                                                                                                                                                                 | Wt. _____ Visc. _____ W.L. _____ Time _____ Additives _____         |         |              |                  |                 | Wt. _____ Visc. _____ W.L. _____ Time _____ Additives _____         |          |           |                  |               | Wt. _____ Visc. _____ W.L. _____ Time _____ Additives _____         |              |           |                  |               |          |      |
|                                                                                                                                                                                        | <u>127</u> <u>46</u>                                                |         |              |                  |                 | <u>10.7</u> <u>44</u> <u>5.6</u> <u>50-25 TATTOR - CUSTO</u>        |          |           |                  |               |                                                                     |              |           |                  |               |          |      |
| DETAIL OF OPERATIONS AND REMARKS                                                                                                                                                       | 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>130</u> <u>135</u> <u>6</u> <u>1</u> <u>Christian</u>            |         |              |                  |                 | <u>145</u> <u>155</u> <u>6</u> <u>1</u> <u>Christian</u>            |          |           |                  |               |                                                                     |              |           |                  |               |          |      |
| 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>Final Pulling two C.B. 3.</u> <u>Coring 6 1/4</u> <u>400-415 - R.C. SER</u>                                                                                                         |                                                                     |         |              |                  |                 |                                                                     |          |           |                  |               |                                                                     |              |           |                  |               |          |      |
| <u>TRIP OUT 1</u> <u>TRIP OUT 1</u> <u>415-530 - SER C.B. + RUN IN</u>                                                                                                                 |                                                                     |         |              |                  |                 |                                                                     |          |           |                  |               |                                                                     |              |           |                  |               |          |      |
| <u>3000 Rg 1/4</u> <u>Reaming core to show C.B. 1/2</u> <u>530-812 - REC CORE</u>                                                                                                      |                                                                     |         |              |                  |                 |                                                                     |          |           |                  |               |                                                                     |              |           |                  |               |          |      |
| <u>Coring 3 1/2</u> <u>5000 Rg 1/4</u> <u>812-1012 - Coring</u>                                                                                                                        |                                                                     |         |              |                  |                 |                                                                     |          |           |                  |               |                                                                     |              |           |                  |               |          |      |
| <u>1012-1200 - Pulled out</u>                                                                                                                                                          |                                                                     |         |              |                  |                 |                                                                     |          |           |                  |               |                                                                     |              |           |                  |               |          |      |
| Driller <u>H. F. ...</u> Driller <u>T. B. Rodden</u> Driller <u>J. V. Brodin</u>                                                                                                       |                                                                     |         |              |                  |                 |                                                                     |          |           |                  |               |                                                                     |              |           |                  |               |          |      |

Toolpusher L. E. ... Approved by \_\_\_\_\_

# TECHNICAL OIL CONSULTANTS LTD.

## DAILY DRILLING REPORT

Company: Reed & Co. Well: OS 227 Contractor: C. J. R. & Co. Type Rig: Cardwell Date: 7/20/52 Days on Well: 12

| DEPTH                             | 1st Tour From: <u>12:15</u> To: <u>1:15</u>                                                                                              |            |              |              |                                       | 2nd Tour From: <u>2:15</u> To: <u>4:15</u>                                                                          |            |              |              |                                      | 3rd Tour From: <u>4:55</u> To: <u>12:00</u>                                                                                                                                                 |              |            |                 |           |          |              |        |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|--------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------|--------------|--------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|-----------------|-----------|----------|--------------|--------|
|                                   | From                                                                                                                                     | To         | Hole Made    | Hole Size    | Formation                             | From                                                                                                                | To         | Hole Made    | Hole Size    | Formation                            | From                                                                                                                                                                                        | To           | Hole Made  | Hole Size       | Formation |          |              |        |
|                                   | <u>127</u>                                                                                                                               | <u>128</u> | <u>1</u>     | <u>P 5/8</u> |                                       | <u>128</u>                                                                                                          | <u>130</u> | <u>32</u>    | <u>P 5/8</u> |                                      | <u>130</u>                                                                                                                                                                                  | <u>131</u>   | <u>1</u>   | <u>P 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>27</u> <u>24.85</u> <u>29.03</u> <u>5.65</u> <u>2.66</u>                                                                              |            |              |              |                                       | <u>28</u> <u>24.85</u> <u>29.03</u> <u>5.65</u> <u>2.66</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>2</u>                                                                                                                                 | <u>QWS</u> | <u>P 27</u>  | <u>1/4</u>   | <u>1</u>                              |                                                                                                                     |            | <u>33</u>    |              |                                      |                                                                                                                                                                                             |              |            |                 |           |          |              |        |
| SURVEYS                           | Bit Serial No. <u>51226</u> R.P.M. <u>120</u>                                                                                            |            |              |              |                                       | Bit Serial No. <u>51226</u> R.P.M. <u>120</u>                                                                       |            |              |              |                                      | Bit Serial No. <u>51226</u> R.P.M. <u>120</u>                                                                                                                                               |              |            |                 |           |          |              |        |
|                                   | Kind at Ft. Deg. off                                                                                                                     |            |              |              |                                       | Kind at Ft. Deg. off                                                                                                |            |              |              |                                      | Kind at Ft. Deg. off                                                                                                                                                                        |              |            |                 |           |          |              |        |
| SLUSH PUMP RECORD                 | 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                                                                                                                                         |              |            |                 |           |          |              |        |
|                                   | <u>7 1/4</u> <u>7</u> <u>125</u> <u>Yes</u> <u>No</u>                                                                                    |            |              |              |                                       | <u>5 3/4</u> <u>1 1/4</u> <u>120</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>10.6</u>                                                                                                                              | <u>34</u>  | <u>P.O.</u>  |              | <u>10" Co-bore 1</u>                  | <u>10.7</u>                                                                                                         | <u>45</u>  | <u>6.7</u>   |              | <u>50-20 Gumbo - Co-bore</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>SPU Rig 1/4</u><br><u>6.0 Pump + Pump Motor 1/2</u><br><u>Running to bottom 6 3/4</u><br><u>Drilling 1/4</u><br><u>Core tried 1/4</u> |            |              |              |                                       | <u>SPU Rig 1/4</u><br><u>Drilling 1/4</u><br><u>Core tried 1/4</u><br><u>POT on TB - 1/4</u><br><u>and Pump 1/2</u> |            |              |              |                                      | <u>400-415 - P.O. Sea</u><br><u>415-445 - Fine sand</u><br><u>445-615 - Fine</u><br><u>615-715 - Pulled out</u><br><u>715-1200 - Run in by core</u><br><u>Bit - saw stringer pulled out</u> |              |            |                 |           |          |              |        |
| Driller <u>P. C. O. &amp; Co.</u> |                                                                                                                                          |            |              |              | Driller <u>Mr. R. C. O. &amp; Co.</u> |                                                                                                                     |            |              |              | Driller <u>J. V. B. O. &amp; Co.</u> |                                                                                                                                                                                             |              |            |                 |           |          |              |        |

Toolpusher P. C. O. & Co. Approved by \_\_\_\_\_

## DAILY DRILLING REPORT

Days on Well.....

Approved by

Well # 111

# TECHNICAL OIL CONSULTANTS LTD.

**Contractor**

Type Rig

Date \_\_\_\_\_

## DAILY DRILLING REPORT

## 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      |  |
| DRILL PIPE                       | 407                                                                                                                                                                        |      | 415          |           | 8               |       | 8 5/8            |         |               |                                 | 415                          |              | 555        |                 | 140        |          | 8 5/8            |         |               |                                 | 555                           |           | 675             |       | 120        |         | 8 5/8            |  |                |  |
|                                  | 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                       | 12                                                                                                                                                                         |      |              |           |                 |       |                  |         |               |                                 | 11                           |              | 24.85      |                 | 24.03      |          |                  |         |               |                                 | 21                            |           | 24.85           |       | 24.03      |         |                  |  |                |  |
|                                  | 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    |                  |  |                |  |
|                                  |                                                                                                                                                                            |      |              |           |                 |       |                  | Drilled | Reamed        |                                 |                              |              |            |                 |            |          |                  | Drilled | Reamed        |                                 |                               |           |                 |       |            | Drilled | Reamed           |  |                |  |
|                                  | 1                                                                                                                                                                          | S-3  | 67           | 415       | 22 1/2          | 415   |                  | 348     | 200           | 1                               | S-3                          | 67           |            | 30 1/4          | 555        |          | 482              |         | 1             | S-3                             | 67                            |           | 37 1/4          | 675   |            | 608     |                  |  |                |  |
| Bit Serial No. 19932 R.P.M.      |                                                                                                                                                                            |      |              |           |                 |       |                  |         |               | Bit Serial No. 19932 R.P.M. 120 |                              |              |            |                 |            |          |                  |         |               | Bit Serial No. 19932 R.P.M. 120 |                               |           |                 |       |            |         |                  |  |                |  |
| 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          |         | On Line       |                                 | Circulating                  |              | Line Press |                 | REPAIRS    |          | On Line          |         | Circulating   |                                 | Line Press                    |           | REPAIRS         |       |            |         |                  |  |                |  |
|                                  | 1 1/4                                                                                                                                                                      |      | 7 1/4        |           |                 |       | Yes No           |         | 7 3/4         |                                 | -                            |              |            |                 | Yes No     |          | 7 1/2            |         | 1/2           |                                 |                               |           | P. MOTOR        |       |            |         |                  |  |                |  |
| MUD RECORD                       | Wt.                                                                                                                                                                        |      | Visc.        |           | W.L.            |       | Time             |         | Additives     |                                 | Wt.                          |              | Visc.      |                 | W.L.       |          | Time             |         | Additives     |                                 | Wt.                           |           | Visc.           |       | W.L.       |         | Time             |  | Additives      |  |
|                                  |                                                                                                                                                                            |      |              |           |                 |       |                  |         |               |                                 | 10.4                         |              | 39         |                 |            |          |                  |         |               |                                 | 10.4                          |           | 40              |       | 9.6        |         |                  |  | Carbocel 25 lb |  |
| 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 SER                                                                                                                                                    |      |              |           |                 |       |                  |         |               |                                 | Sanding 1/4                  |              |            |                 |            |          |                  |         |               |                                 | Sanding 1/4                   |           |                 |       |            |         |                  |  |                |  |
|                                  | 12:15 - 3:30 REAMING                                                                                                                                                       |      |              |           |                 |       |                  |         |               |                                 | Drilling 7 3/4               |              |            |                 |            |          |                  |         |               |                                 | W.O. Pump motor 1/4           |           |                 |       |            |         |                  |  |                |  |
|                                  | 3:30 - 5:00 TRIP TO UNPLUG B.P.                                                                                                                                            |      |              |           |                 |       |                  |         |               |                                 |                              |              |            |                 |            |          |                  |         |               |                                 | Circ B.H.S. & W.O. OR SER 1/2 |           |                 |       |            |         |                  |  |                |  |
| 5:00 - 7:45 REAMING              |                                                                                                                                                                            |      |              |           |                 |       |                  |         |               |                                 |                              |              |            |                 |            |          |                  |         |               | Drilling 7                      |                               |           |                 |       |            |         |                  |  |                |  |
| 7:45 - 8:00 Only                 |                                                                                                                                                                            |      |              |           |                 |       |                  |         |               |                                 |                              |              |            |                 |            |          |                  |         |               |                                 |                               |           |                 |       |            |         |                  |  |                |  |
| Driller A.V. Brodin              |                                                                                                                                                                            |      |              |           |                 |       |                  |         |               |                                 |                              |              |            |                 |            |          |                  |         |               |                                 |                               |           |                 |       |            |         |                  |  |                |  |
| Driller T. E. Good               |                                                                                                                                                                            |      |              |           |                 |       |                  |         |               |                                 |                              |              |            |                 |            |          |                  |         |               |                                 |                               |           |                 |       |            |         |                  |  |                |  |
| Driller T. H. Riddle             |                                                                                                                                                                            |      |              |           |                 |       |                  |         |               |                                 |                              |              |            |                 |            |          |                  |         |               |                                 |                               |           |                 |       |            |         |                  |  |                |  |

Toolpusher

Approved by

Company: Punch Pete  
Well: #F 6111 Contract: \_\_\_\_\_

# TECHNICAL OIL CONSULTANTS LTD.

## DAILY DRILLING REPORT

**Well**

**Contractor**

Type Rig

Date \_\_\_\_\_

### Days on Well

|                                  |                                                                                                                                                                                    |             |              |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |      |         |        |      |              |           |                 |        |          |      |         |        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|-----------|-----------------|----------------------------------------------------|-------------|------------|-----------|-----------|----------------------------------------------------|--------------|------------|-----------------|-----------|----------|------|---------|--------|------|--------------|-----------|-----------------|--------|----------|------|---------|--------|
| DEPTH                            | 1st Tour From: To:                                                                                                                                                                 |             |              |           |                 | 2nd Tour From: 8 AM 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 |          |      |         |        |      |              |           |                 |        |          |      |         |        |
|                                  | 205                                                                                                                                                                                | 254         | 49           | 8 3/4     |                 | 254                                                | 325         | 71         | 8 3/4     |           | 325                                                | 407          | 82         | 8 3/4           |           |          |      |         |        |      |              |           |                 |        |          |      |         |        |
| 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. |              |            |                 |           |          |      |         |        |      |              |           |                 |        |          |      |         |        |
|                                  |                                                                                                                                                                                    |             |              |           |                 | 9 24.05 24.03                                      |             |            |           |           | 12 24.05 24.03                                     |              |            |                 |           |          |      |         |        |      |              |           |                 |        |          |      |         |        |
| 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 |
|                                  | 1                                                                                                                                                                                  | S3          | 1000         |           | 11 3/4          | 254                                                |             |            |           | 1         | S-3                                                |              |            | 17 1/2          | 325       | -        |      | 250     |        | 1    | S-3          |           |                 | 22 1/2 |          |      | 340     |        |
|                                  | Bit Serial No. 19932 R.P.M.                                                                                                                                                        |             |              |           |                 | Bit Serial No. 19932 R.P.M. 120                    |             |            |           |           | Bit Serial No. 19932 R.P.M. 120                    |              |            |                 |           |          |      |         |        |      |              |           |                 |        |          |      |         |        |
| SURVEYS                          | Kind at Ft. Deg. off                                                                                                                                                               |             |              |           |                 | Kind at Ft. Deg. off                               |             |            |           |           | Kind at Ft. Deg. off                               |              |            |                 |           |          |      |         |        |      |              |           |                 |        |          |      |         |        |
|                                  |                                                                                                                                                                                    |             |              |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |      |         |        |      |              |           |                 |        |          |      |         |        |
| SLUSH PUMP RECORD<br>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        |          |      |         |        |      |              |           |                 |        |          |      |         |        |
|                                  | 3 1/2                                                                                                                                                                              | 4 1/2       |              |           |                 | 6 3/4                                              | 1 1/4       |            |           |           | 6                                                  | 1            |            |                 |           |          |      |         |        |      |              |           |                 |        |          |      |         |        |
| MUD RECORD                       | Wt.                                                                                                                                                                                | Visc.       | W.L.         | Time      | Additives       | Wt.                                                | Visc.       | W.L.       | Time      | Additives | Wt.                                                | Visc.        | W.L.       | Time            | Additives |          |      |         |        |      |              |           |                 |        |          |      |         |        |
|                                  |                                                                                                                                                                                    |             |              |           |                 |                                                    | 34          |            |           |           |                                                    | 35           |            |                 |           |          |      |         |        |      |              |           |                 |        |          |      |         |        |
| 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<br>12 15 - 3 30 - 2 1/2 hrs<br>3 30 - 6 00 - Trip to core bit<br>6 00 - 8 00 - Running to Bottom<br>8 00 - 8 30 - Pulled out<br>8 30 - plugged bit running |             |              |           |                 | Running 2 1/4<br>Saw Rig 1/4<br>Drilling 5 1/2     |             |            |           |           | Saw Rig 1/4<br>11 11 - 5<br>Trip out to Rig 2 1/2  |              |            |                 |           |          |      |         |        |      |              |           |                 |        |          |      |         |        |
|                                  | Driller D. V. Broder                                                                                                                                                               |             |              |           |                 | Driller A. Good                                    |             |            |           |           | Driller T. R. L.                                   |              |            |                 |           |          |      |         |        |      |              |           |                 |        |          |      |         |        |

Toolpusher

Approved by

Company: Punch PETE  
Well: #111

# TECHNICAL OIL CONSULTANTS LTD.

## DAILY DRILLING REPORT

Contractor: Gark Nip Co. Type Rig: Cordwell Date: Nov 20/52 Days on Well: \_\_\_\_\_

|                                  |                                                                                                                                                                            |  |             |  |              |  |                  |  |                 |                         |                                                                           |  |            |  |                |  |                  |  |               |                           |                                                                                            |  |            |  |                 |  |                            |  |                |  |      |  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|--------------|--|------------------|--|-----------------|-------------------------|---------------------------------------------------------------------------|--|------------|--|----------------|--|------------------|--|---------------|---------------------------|--------------------------------------------------------------------------------------------|--|------------|--|-----------------|--|----------------------------|--|----------------|--|------|--|
| DEPTH                            | 1st Tour From: <u>12<sup>00</sup></u> To: <u>8<sup>00</sup></u>                                                                                                            |  |             |  |              |  |                  |  |                 |                         | 2nd Tour From: <u>8 A.M.</u> To: <u>4 P.M.</u>                            |  |            |  |                |  |                  |  |               |                           | 3rd Tour From: <u>4<sup>15</sup></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      |  |      |  |
| DRILL PIPE                       | <u>67</u>                                                                                                                                                                  |  | <u>T.O.</u> |  | <u>0</u>     |  |                  |  |                 |                         | <u>67</u>                                                                 |  | <u>135</u> |  | <u>68</u>      |  | <u>8 3/4</u>     |  | <u>Sh. l.</u> |                           | <u>135</u>                                                                                 |  | <u>205</u> |  | <u>70</u>       |  | <u>8 5/8</u>               |  |                |  |      |  |
|                                  | 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 |  |                  |  |               |                           | On Bottom At                                                                               |  | Pulled At  |  |                 |  |                            |  | Drilled Reamed |  |      |  |
| SURVEYS                          | 1                                                                                                                                                                          |  | 5-3         |  | 67           |  |                  |  | 2 3/4           |                         |                                                                           |  |            |  | 68             |  | 1                |  | 3             |                           | 67                                                                                         |  |            |  | 8               |  |                            |  | 138            |  |      |  |
|                                  | Bit Serial No.                                                                                                                                                             |  |             |  | R.P.M.       |  |                  |  | Bit Serial No.  |                         | <u>14432</u>                                                              |  | R.P.M.     |  | <u>120</u>     |  | Bit Serial No.   |  | <u>14432</u>  |                           | R.P.M.                                                                                     |  | <u>120</u> |  |                 |  |                            |  |                |  |      |  |
| 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                       | Wt.                                                                                                                                                                        |  | Visc.       |  | W.L.         |  | Time             |  | Additives       |                         | Wt.                                                                       |  | Visc.      |  | W.L.           |  | Time             |  | Additives     |                           | Wt.                                                                                        |  | Visc.      |  | W.L.            |  | Time                       |  | Additives      |  |      |  |
|                                  |                                                                                                                                                                            |  |             |  |              |  |                  |  |                 |                         |                                                                           |  | <u>37</u>  |  |                |  |                  |  |               |                           |                                                                                            |  | <u>38</u>  |  |                 |  | <u>50-25-Terran-Consol</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>12<sup>00</sup>-8<sup>00</sup></u><br><u>W.O.C.</u><br><u>Nippling up</u>                                                                                               |  |             |  |              |  |                  |  |                 |                         | <u>Finished trip up 5</u><br><u>5:00 rig 1/4</u><br><u>drilling 2 3/4</u> |  |            |  |                |  |                  |  |               |                           | <u>Condition mud &amp; spuds 1 1/4</u><br><u>4:00 spuds 1 1/2</u><br><u>drilling 5 1/4</u> |  |            |  |                 |  |                            |  |                |  |      |  |
| Driller <u>J.V. Brodin</u>       |                                                                                                                                                                            |  |             |  |              |  |                  |  |                 | Driller <u>H.G. and</u> |                                                                           |  |            |  |                |  |                  |  |               | Driller <u>M. Robbins</u> |                                                                                            |  |            |  |                 |  |                            |  |                |  |      |  |

Toolpusher L.E. Alameda Approved by \_\_\_\_\_

Company: Punch Petroleum

## TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well: Deep Bay #7 Contractor: OzarkType Rig: Caschett Tracker Date: Nov. 19 - 52 Days on Well: 4

| DEPTH                            | 1st Tour From: <u>12 M.I.</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 Mid.</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 |  |  |  |
|                                  |                                                                                                                                                                            |      |              |           |                        |                                                    |          |           |           |                          |                                                    |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
|                                  |                                                                                                                                                                            |      |              |           |                        |                                                    |          |           |           |                          |                                                    |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
| Bit Serial No.                   |                                                                                                                                                                            |      |              |           | 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                               |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
|                                  | HOURS                                                                                                                                                                      |      |              |           |                        | HOURS                                              |          |           |           |                          | HOURS                                              |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
|                                  | On Line Circulating Line Press Yes No                                                                                                                                      |      |              |           |                        | On Line Circulating Line Press Yes No              |          |           |           |                          | On Line Circulating Line Press Yes No              |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
| SLUSH PUMP RECORD<br>Pump No. 1  | Wt. Visc. W.L. Time Additives                                                                                                                                              |      |              |           |                        | Wt. Visc. W.L. Time Additives                      |          |           |           |                          | Wt. Visc. W.L. Time Additives                      |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
|                                  |                                                                                                                                                                            |      |              |           |                        |                                                    |          |           |           |                          |                                                    |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
| MUD RECORD                       | 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.                                               |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
|                                  |                                                                                                                                                                            |      |              |           |                        |                                                    |          |           |           |                          |                                                    |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
| 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>W.O.C.</u>                                                                                                                                                              |      |              |           |                        |                                                    |          |           |           |                          |                                                    |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
|                                  | <u>W.O.C.</u>                                                                                                                                                              |      |              |           |                        |                                                    |          |           |           |                          |                                                    |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
|                                  | <u>start nipple up.</u>                                                                                                                                                    |      |              |           |                        |                                                    |          |           |           |                          |                                                    |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
|                                  |                                                                                                                                                                            |      |              |           |                        |                                                    |          |           |           |                          |                                                    |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
|                                  |                                                                                                                                                                            |      |              |           |                        |                                                    |          |           |           |                          |                                                    |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |
| Driller <u>J.V. Brodin</u>       |                                                                                                                                                                            |      |              |           | Driller <u>A. Good</u> |                                                    |          |           |           | Driller <u>M. Reddin</u> |                                                    |              |           |                 |           |          |      |  |     |                |              |           |                 |       |          |      |  |  |  |

Toolpusher L.E. P. Smith

Approved by \_\_\_\_\_

Company: Punch Petroleum  
Well: Deep Bay #7

TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Contractor: Garys Type Rig: Cardwell Tractor Date: Nov - 18 - 5V Days on Well: 3 -

| DEPTH                                | 1st Tour From: <u>12 Mid</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 Mid.</u>    |              |            |                 |           |          |         |        |  |  |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|-----------|-----------------|----------------------------------------------------|-------------|------------|-----------|-----------|----------------------------------------------------|--------------|------------|-----------------|-----------|----------|---------|--------|--|--|
|                                      | From                                                                                                                                                                       | To          | Hole Made      | Hole Size | Formation       | From                                               | To          | Hole Made  | Hole Size | Formation | From                                               | To           | Hole Made  | Hole Size       | Formation |          |         |        |  |  |
|                                      | <u>30</u>                                                                                                                                                                  | <u>67</u>   | <u>Reaming</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. |              |            |                 |           |          |         |        |  |  |
|                                      |                                                                                                                                                                            |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
| 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>Smith</u>                                                                                                                                                               | <u>0</u>    | <u>67</u>      | <u>67</u> | <u>67</u>       | <u>0</u>                                           |             |            |           | <u>67</u> |                                                    |              |            |                 |           |          |         |        |  |  |
|                                      | <u>Re-run</u>                                                                                                                                                              |             |                |           | <u>14/4</u>     |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
|                                      | 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                                              |              |            |                 |           |          |         |        |  |  |
|                                      | On Line                                                                                                                                                                    | Circulating | Line Press     | Yes       | No              | On Line                                            | Circulating | Line Press | Yes       | No        | On Line                                            | Circulating  | Line Press | Yes             | No        |          |         |        |  |  |
| SLUSH PUMP RECORD                    | <u>7/4</u>                                                                                                                                                                 | <u>3/4</u>  | <u>0</u>       |           | <u>✓</u>        |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
| MUD RECORD                           | Wt.                                                                                                                                                                        | Visc.       | W.L.           | Time      | Additives       | Wt.                                                | Visc.       | W.L.       | Time      | Additives | Wt.                                                | Visc.        | W.L.       | Time            | Additives |          |         |        |  |  |
|                                      | <u>50</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>Serv. Rig 1/4</u>                                                                                                                                                       |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
|                                      | <u>Reaming 7-1/4</u>                                                                                                                                                       |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
|                                      | <u>Circ 1/2</u>                                                                                                                                                            |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
|                                      | <u>Make Trip 1/2</u>                                                                                                                                                       |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
| <u>Run Casing 2</u>                  |                                                                                                                                                                            |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
| <u>Cement &amp; pump down plug 4</u> |                                                                                                                                                                            |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
| <u>Plug landed 3 P.M.</u>            |                                                                                                                                                                            |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
| <u>W.O.C. 1</u>                      |                                                                                                                                                                            |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
| <u>W.O.C.</u>                        |                                                                                                                                                                            |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
| <u>Driller J. V. Bowdin</u>          |                                                                                                                                                                            |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
| <u>Driller A. Good</u>               |                                                                                                                                                                            |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |
| <u>Driller M. Reddin</u>             |                                                                                                                                                                            |             |                |           |                 |                                                    |             |            |           |           |                                                    |              |            |                 |           |          |         |        |  |  |

Toolpusher L.C. Almond Approved by \_\_\_\_\_

Company: Punch. Pile

## TECHNICAL OIL CONSULTANTS LTD.

DAILY DRILLING REPORT

Well: Deep Bay #7.Contractor: OzarkType Rig Candover Tracker Date Nov. 17-52 Days on Well 2

| DEPTH                            | 1st Tour From: <u>12. Mid.</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. Mid.</u>  |              |                |                 |           |                                                                                                                                                                   |      |         |              |          |                |           |                 |          |          |                   |  |            |        |  |                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|--------------|----------------------|----------------------------------------------------|-------------|------------|--------------|----------------------|----------------------------------------------------|--------------|----------------|-----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|--------------|----------|----------------|-----------|-----------------|----------|----------|-------------------|--|------------|--------|--|---------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                                  | From                                                                                                                                                                       | To          | Hole Made    | Hole Size    | Formation            | From                                               | To          | Hole Made  | Hole Size    | Formation            | From                                               | To           | Hole Made      | Hole Size       | Formation |                                                                                                                                                                   |      |         |              |          |                |           |                 |          |          |                   |  |            |        |  |                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                  | <u>12</u>                                                                                                                                                                  | <u>40</u>   | <u>28</u>    | <u>8 5/8</u> | <u>Boulders Sand</u> | <u>40</u>                                          | <u>67</u>   | <u>27</u>  | <u>8 5/8</u> | <u>Boulders Sand</u> | <u>0</u>                                           | <u>30'</u>   | <u>reaming</u> | <u>13 3/4</u>   | <u>-</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>1</u> <u>25'</u>                                                                                                                                                        |             |              |              |                      | <u>1</u> <u>25'</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>Re-run</u>                                                                                                                                                              | <u>0</u>    | <u>-</u>     | <u>8 3/4</u> | <u>40'</u>           | <u>0</u>                                           | <u>28</u>   |            |              | <u>Re-run</u>        | <u>0</u>                                           | <u>67</u>    | <u>14 3/4</u>  | <u>67</u>       | <u>0</u>  | <u>67</u>                                                                                                                                                         |      |         | <u>Smith</u> | <u>0</u> | <u>-</u>       | <u>7</u>  | <u>30'</u>      | <u>0</u> |          |                   |  | <u>30'</u> |        |  |                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                  | Bit Serial No.                                                                                                                                                             |             |              |              |                      | R.P.M. <u>120</u>                                  |             |            |              |                      | Bit Serial No.                                     |              |                |                 |           | R.P.M. <u>100</u>                                                                                                                                                 |      |         |              |          | Bit Serial No. |           |                 |          |          | R.P.M. <u>120</u> |  |            |        |  |                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SURVEYS                          | Kind at Ft. Deg. off                                                                                                                                                       |             |              |              |                      | Kind at Ft. Deg. off                               |             |            |              |                      | Kind at Ft. Deg. off                               |              |                |                 |           |                                                                                                                                                                   |      |         |              |          |                |           |                 |          |          |                   |  |            |        |  |                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                  |                                                                                                                                                                            |             |              |              |                      |                                                    |             |            |              |                      |                                                    |              |                |                 |           |                                                                                                                                                                   |      |         |              |          |                |           |                 |          |          |                   |  |            |        |  |                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SLUSH PUMP RECORD                | 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        |                                                                                                                                                                   |      |         |              |          |                |           |                 |          |          |                   |  |            |        |  |                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pump No. 1                       | <u>7 3/4</u>                                                                                                                                                               | <u>4</u>    | <u>0</u>     |              | <u>✓</u>             | <u>6</u>                                           | <u>2</u>    | <u>0</u>   |              | <u>✓</u>             | <u>7</u>                                           | <u>1</u>     | <u>0</u>       |                 | <u>✓</u>  |                                                                                                                                                                   |      |         |              |          |                |           |                 |          |          |                   |  |            |        |  |                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MUD RECORD                       | Wt.                                                                                                                                                                        | Visc.       | W.L.         | Time         | Additives            | Wt.                                                | Visc.       | W.L.       | Time         | Additives            | Wt.                                                | Visc.        | W.L.           | Time            | Additives |                                                                                                                                                                   |      |         |              |          |                |           |                 |          |          |                   |  |            |        |  |                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                  |                                                                                                                                                                            | <u>50</u>   |              |              |                      |                                                    | <u>53</u>   |            |              |                      |                                                    | <u>50</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. |                                                                                                                                                                   |      |         |              |          |                |           |                 |          |          |                   |  |            |        |  |                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                  |                                                                                                                                                                            |             |              |              |                      |                                                    |             |            |              |                      |                                                    |              |                |                 |           |                                                                                                                                                                   |      |         |              |          |                |           |                 |          |          |                   |  |            |        |  |                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                  |                                                                                                                                                                            |             |              |              | 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. |             |              |              |                      |                                                    |             |            |              |                      |                                                    |              |                |                 |           |                                                                                                                                                                   |      |         |              |          |                |           |                 |          |          |                   |  |            |        |  |                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                  | <u>Serv. Rig 1/4</u><br><u>Drill 7 3/4</u><br><u>Boulders - very rough.</u><br><u>Driller J. V. Brodin</u>                                                                 |             |              |              |                      |                                                    |             |            |              |                      |                                                    |              |                |                 |           | <u>Serv. Rig - 1/4</u><br><u>Drill - 6</u><br><u>Pullout - stuck in hole - 1.</u><br><u>Put on big bit - 3/4</u><br><u>(Boulders).</u><br><u>Driller A. Good.</u> |      |         |              |          |                |           |                 |          |          |                   |  |            |        |  | <u>Serv. Rig 1/4</u><br><u>W.O. Serv. - 7 3/4</u><br><u>Ream. 7</u><br><u>Boulders.</u><br><u>Driller M. Reddin</u> |  |  |  |  |  |  |  |  |  |  |  |  |  |

Toolpusher L.E. Almond

Approved by \_\_\_\_\_

# DAILY DRILLING REPORT

Days on Well.....

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Approved by \_\_\_\_\_