

# Formation Testing Service Report

EEF

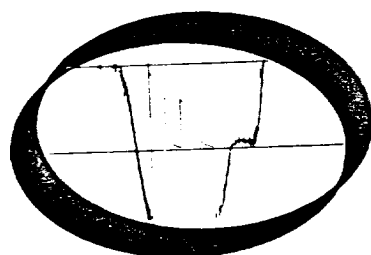
Lease Name

Well No. 1

Test No. 2

Tested Interval 11520' to 11663'

Lease Owner/Company Name HUNDU DRILLING COMPANY



**HALLIBURTON SERVICES**

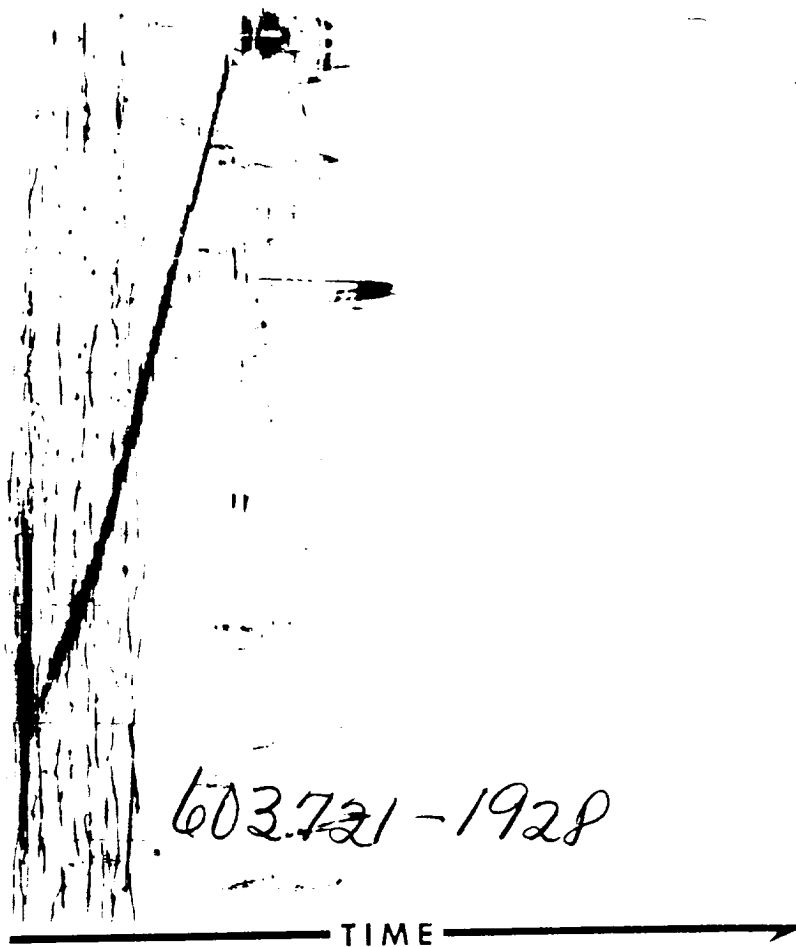
DUNCAN, OKLAHOMA

RECEIVED

AUG 18 1970

O.C.D. HOBBS, OFFICE

— PRESSURE —  
↓



LY-61

603721 - 1927

Each Horizontal Line Equal to 1000 p.s.i.

RECEIVED  
AUG 15 1970  
O.C.D. HOBBS, OFFICE

| FLUID SAMPLE DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                   |                                                   |                                     | Date <u>7-29-79</u>                                                                                                                                                                                                                                                                                                                                                                                                                    |                  | Ticket Number <u>603721</u>                                      |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
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| Sampler Pressure _____ P.S.I.G. at Surface<br>Recovery: Cu. Ft. Gas _____<br>cc. Oil _____<br>cc. Water _____<br>cc. Mud _____<br>Tot. Liquid cc. _____<br>Gravity _____ ° API @ _____ °F.<br>Gas/Oil Ratio _____ cu. ft./bbl.<br>RESISTIVITY                      CHLORIDE CONTENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                   |                                                   |                                     | Kind of Job <u>OPEN HOLE</u><br>Tester <u>D. JENNINGS</u><br><u>L. GIBSON</u>                                                                                                                                                                                                                                                                                                                                                          |                  | Halliburton District <u>HOBBS</u><br>Witness <u>LARRY CARTER</u> |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Drilling Contractor <u>HONDO DRILLING COMPANY RIG #4</u> <u>bj</u><br>EQUIPMENT & HOLE DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                   |                                                   |                                     | Formation Tested <u>Morrow</u><br>Elevation <u>3971'</u> Ft.<br>Net Productive Interval <u>143'</u> Ft.<br>All Depths Measured From <u>Kelly Bushing</u><br>Total Depth <u>11663'</u> Ft.<br>Main Hole/Casing Size <u>7 7/8"</u><br>Drill Collar Length <u>465'</u> I.D. <u>2.25"</u><br>Drill Pipe Length <u>11008'</u> I.D. <u>3.826"</u><br>Packer Depth(s) <u>11512'</u> <u>11520'</u> Ft.<br>Depth Tester Valve <u>11475'</u> Ft. |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Mud Weight <u>9.7</u> vis <u>35</u> Sec. <u>58</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                   |                                                   |                                     | Mud Weight _____ vis _____ Sec. _____                                                                                                                                                                                                                                                                                                                                                                                                  |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Cushion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                   | TYPE                                              | AMOUNT                              | Depth Back<br>Ft.                                                                                                                                                                                                                                                                                                                                                                                                                      | Surface<br>Choke | Bubble<br>Hose                                                   | Bottom<br>Choke |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Recovered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                   |                                                   | <u>100</u>                          | Feet of <u>drilling mud.</u>                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Recovered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                   |                                                   |                                     | Feet of                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Recovered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                   |                                                   |                                     | Feet of                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Recovered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                   |                                                   |                                     | Feet of                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Recovered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                   |                                                   |                                     | Feet of                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Remarks <u>SEE PRODUCTION TEST DATA SHEET....</u><br><u>UTR = UNABLE TO READ....</u><br><u>Q = Questionable</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                   |                                                   |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>TEMPERATURE</th> <th>Gauge No. <u>1928</u><br/>Depth: <u>11496'</u> Ft.</th> <th>Gauge No. <u>1927</u><br/>Depth: <u>11659'</u> Ft.</th> <th>Gauge No. _____<br/>Depth: _____ Ft.</th> <th colspan="2">TIME</th> </tr> </thead> <tbody> <tr> <td>Est. °F.</td> <td><u>24</u> Hour Clock</td> <td><u>24</u> Hour Clock</td> <td><u>Hour Clock</u></td> <td>Tool</td> <td><u>1055</u> A.M.</td> </tr> <tr> <td></td> <td>Blanked Off <u>NO</u></td> <td>Blanked Off <u>YES</u></td> <td>Blanked Off</td> <td>Opened</td> <td><u>1055</u> P.M.</td> </tr> <tr> <td>Actual <u>163</u> °F.</td> <td colspan="3">Pressures</td> <td>Opened</td> <td><u>1525</u> P.M.</td> </tr> <tr> <td></td> <td colspan="3">Pressures</td> <td>Bypass</td> <td></td> </tr> <tr> <td></td> <td>Field</td> <td>Office</td> <td>Field</td> <td>Office</td> <td>Field</td> </tr> <tr> <td>Initial Hydrostatic</td> <td><u>5759</u></td> <td><u>5748.8</u></td> <td><u>5853.9</u></td> <td><u>5829.1</u></td> <td></td> </tr> <tr> <td rowspan="3">First Period Flow</td> <td>Initial</td> <td><u>91</u></td> <td><u>73.3</u></td> <td><u>139.6</u></td> <td><u>137.2</u></td> </tr> <tr> <td>Final</td> <td><u>91</u></td> <td><u>73.3</u></td> <td><u>139.6</u></td> <td><u>137.2</u></td> </tr> <tr> <td>Closed in</td> <td><u>183</u></td> <td><u>192.6</u></td> <td><u>232.6</u></td> <td><u>269.7</u></td> </tr> <tr> <td rowspan="3">Second Period Flow</td> <td>Initial</td> <td><u>91</u></td> <td><u>75.6</u></td> <td><u>139.6</u></td> <td><u>141.8</u></td> </tr> <tr> <td>Final</td> <td><u>91</u></td> <td><u>77.9</u></td> <td><u>139.6</u></td> <td><u>144.1</u></td> </tr> <tr> <td>Closed in</td> <td><u>229</u></td> <td><u>220.1</u></td> <td><u>325.6</u></td> <td><u>288.3</u></td> </tr> <tr> <td>Third Period Flow</td> <td>Initial</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Final</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Closed in</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Final Hydrostatic</td> <td><u>5759</u></td> <td><u>UTR</u></td> <td><u>5853.9</u></td> <td><u>5856.4</u></td> <td></td> </tr> </tbody> </table> |                                                   |                                                   |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                                                                  |                 | TEMPERATURE | Gauge No. <u>1928</u><br>Depth: <u>11496'</u> Ft. | Gauge No. <u>1927</u><br>Depth: <u>11659'</u> Ft. | Gauge No. _____<br>Depth: _____ Ft. | TIME |  | Est. °F. | <u>24</u> Hour Clock | <u>24</u> Hour Clock | <u>Hour Clock</u> | Tool | <u>1055</u> A.M. |  | Blanked Off <u>NO</u> | Blanked Off <u>YES</u> | Blanked Off | Opened | <u>1055</u> P.M. | Actual <u>163</u> °F. | Pressures |  |  | Opened | <u>1525</u> P.M. |  | Pressures |  |  | Bypass |  |  | Field | Office | Field | Office | Field | Initial Hydrostatic | <u>5759</u> | <u>5748.8</u> | <u>5853.9</u> | <u>5829.1</u> |  | First Period Flow | Initial | <u>91</u> | <u>73.3</u> | <u>139.6</u> | <u>137.2</u> | Final | <u>91</u> | <u>73.3</u> | <u>139.6</u> | <u>137.2</u> | Closed in | <u>183</u> | <u>192.6</u> | <u>232.6</u> | <u>269.7</u> | Second Period Flow | Initial | <u>91</u> | <u>75.6</u> | <u>139.6</u> | <u>141.8</u> | Final | <u>91</u> | <u>77.9</u> | <u>139.6</u> | <u>144.1</u> | Closed in | <u>229</u> | <u>220.1</u> | <u>325.6</u> | <u>288.3</u> | Third Period Flow | Initial |  |  |  |  |  | Final |  |  |  |  |  | Closed in |  |  |  |  | Final Hydrostatic | <u>5759</u> | <u>UTR</u> | <u>5853.9</u> | <u>5856.4</u> |  |
| TEMPERATURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Gauge No. <u>1928</u><br>Depth: <u>11496'</u> Ft. | Gauge No. <u>1927</u><br>Depth: <u>11659'</u> Ft. | Gauge No. _____<br>Depth: _____ Ft. | TIME                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Est. °F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u>24</u> Hour Clock                              | <u>24</u> Hour Clock                              | <u>Hour Clock</u>                   | Tool                                                                                                                                                                                                                                                                                                                                                                                                                                   | <u>1055</u> A.M. |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Blanked Off <u>NO</u>                             | Blanked Off <u>YES</u>                            | Blanked Off                         | Opened                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>1055</u> P.M. |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Actual <u>163</u> °F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Pressures                                         |                                                   |                                     | Opened                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>1525</u> P.M. |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pressures                                         |                                                   |                                     | Bypass                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Field                                             | Office                                            | Field                               | Office                                                                                                                                                                                                                                                                                                                                                                                                                                 | Field            |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Initial Hydrostatic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <u>5759</u>                                       | <u>5748.8</u>                                     | <u>5853.9</u>                       | <u>5829.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| First Period Flow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Initial                                           | <u>91</u>                                         | <u>73.3</u>                         | <u>139.6</u>                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>137.2</u>     |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Final                                             | <u>91</u>                                         | <u>73.3</u>                         | <u>139.6</u>                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>137.2</u>     |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Closed in                                         | <u>183</u>                                        | <u>192.6</u>                        | <u>232.6</u>                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>269.7</u>     |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Second Period Flow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Initial                                           | <u>91</u>                                         | <u>75.6</u>                         | <u>139.6</u>                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>141.8</u>     |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Final                                             | <u>91</u>                                         | <u>77.9</u>                         | <u>139.6</u>                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>144.1</u>     |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Closed in                                         | <u>229</u>                                        | <u>220.1</u>                        | <u>325.6</u>                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>288.3</u>     |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Third Period Flow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Initial                                           |                                                   |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Final                                             |                                                   |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Closed in                                         |                                                   |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |
| Final Hydrostatic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <u>5759</u>                                       | <u>UTR</u>                                        | <u>5853.9</u>                       | <u>5856.4</u>                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |                                                                  |                 |             |                                                   |                                                   |                                     |      |  |          |                      |                      |                   |      |                  |  |                       |                        |             |        |                  |                       |           |  |  |        |                  |  |           |  |  |        |  |  |       |        |       |        |       |                     |             |               |               |               |  |                   |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                    |         |           |             |              |              |       |           |             |              |              |           |            |              |              |              |                   |         |  |  |  |  |  |       |  |  |  |  |  |           |  |  |  |  |                   |             |            |               |               |  |

Lease Location 19 16S 35E  
 Sec. - Twp. - Rng.  
 Well No. 1  
 Test No. 2  
 Field Area SOUTH OF LOVINGTON  
 County LEA  
 State NEW MEXICO  
 Meas. From Tester Valve  
 Tested Interval 11520' to 11663'  
 Lease Owner/Company Name HONDO DRILLING COMPANY

# FORMATION TEST DATA

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Casing perms. \_\_\_\_\_ Bottom choke \_\_\_\_\_ Surf. temp. \_\_\_\_\_ °F Ticket No. **603721**  
 Gas gravity \_\_\_\_\_ Oil gravity \_\_\_\_\_ GOR \_\_\_\_\_  
 Spec. gravity \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm Res. \_\_\_\_\_ @ \_\_\_\_\_ °F  
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED \_\_\_\_\_

| Date<br>Time | a.m.<br>p.m. | Choke<br>Size | Surface<br>Pressure<br>psi | Gas<br>Rate<br>MCF | Liquid<br>Rate<br>BPD | Remarks                            |
|--------------|--------------|---------------|----------------------------|--------------------|-----------------------|------------------------------------|
| 7-29-79      |              |               |                            |                    |                       |                                    |
| 0400         |              |               |                            |                    |                       | On location.                       |
| 0600         |              |               |                            |                    |                       | Picked up tools.                   |
| 0730         |              |               |                            |                    |                       | Ran in the hole.                   |
| 1055         |              | BH            |                            |                    |                       | Opened tool with a very weak blow. |
| 1100         |              | "             |                            |                    |                       | No change.                         |
| 1105         |              | "             |                            |                    |                       | Increase - weak blow.              |
| 1110         |              | "             |                            |                    |                       | " "                                |
| 1120         |              | "             |                            |                    |                       | No change                          |
| 1125         |              | "             |                            |                    |                       | Closed tool.                       |
| 1225         |              | "             |                            |                    |                       | Reopened tool with a weak blow.    |
| 1230         |              | "             |                            |                    |                       | INcrease - weak blow.              |
| 1235         |              | "             |                            |                    |                       | No change.                         |
| 1245         |              | "             |                            |                    |                       | "                                  |
| 1300         |              | "             |                            |                    |                       | Slight decrease.                   |
| 1315         |              | "             |                            |                    |                       | "                                  |
| 1325         |              |               |                            |                    |                       | Closed tool.                       |
| 1525         |              |               |                            |                    |                       | Opened bypass and pulled loose.    |
|              |              |               |                            |                    |                       | Pulled out of hole.                |
|              |              |               |                            |                    |                       |                                    |
|              |              |               |                            |                    |                       | BH = Bubble Hose.                  |
|              |              |               |                            |                    |                       |                                    |
|              |              |               |                            |                    |                       |                                    |
|              |              |               |                            |                    |                       |                                    |
|              |              |               |                            |                    |                       |                                    |
|              |              |               |                            |                    |                       |                                    |
|              |              |               |                            |                    |                       |                                    |

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|                                                     | O. D. | I. D.  | LENGTH | DEPTH  |
|-----------------------------------------------------|-------|--------|--------|--------|
| Drill Pipe or Tubing                                | 6.00" | 3.00"  | 1.00'  |        |
| Reversing Sub                                       |       |        |        |        |
| Water Cushion Valve                                 |       |        |        |        |
| Drill Pipe                                          | 4.50" | 3.826" | 11008' |        |
| Drill Collars                                       | 6.25" | 2.25"  | 465'   |        |
| <del>Handling Sub &amp; Choke Assembly</del> X OVER | 5.75" | 2.25"  | 1.00'  |        |
| Dual CIP Valve                                      |       |        |        |        |
| Dual CIP Sampler                                    | 5.00" | .75"   | 5.00'  | 11475' |
| Hydro-Spring Tester                                 |       |        |        |        |
| Multiple CIP Sampler                                | 5.00" | .75"   | 4.00'  |        |
| Extension Joint 3 Each                              | 5.00" | .87"   | 15'    |        |
| AP Running Case                                     | 5.00" | 3.25"  | 5.00'  | 11496' |
| Hydraulic Jar                                       | 5.00" | 1.75"  | 5.00'  |        |
| VR Safety Joint                                     | 5.00" | 1.00"  | 3.00'  |        |
| Pressure Equalizing Crossover                       |       |        |        |        |
| Packer Assembly                                     | 6.75" | 1.53"  | 6.00'  | 11512' |
| Distributor                                         | 5.00" | 1.68"  | 2.00'  |        |
| Packer Assembly                                     | 6.75" | 1.53"  | 6.00'  | 11520' |
| Flush Joint Anchor                                  |       |        |        |        |
| Pressure Equalizing Tube                            |       |        |        |        |
| Blanked-Off B.T. Running Case                       |       |        |        |        |
| Drill Collars                                       |       |        |        |        |
| Anchor Pipe Safety Joint                            |       |        |        |        |
| Packer Assembly                                     |       |        |        |        |
| Distributor                                         |       |        |        |        |
| Packer Assembly                                     |       |        |        |        |
| Anchor Pipe Safety Joint                            | 5.75" | 1.50"  | 4.00'  |        |
| Side Wall Anchor X OVER                             | 6.00" | 3.00"  | 48'    |        |
| Drill Collars                                       | 6.25" | 2.25"  | 93'    |        |
| X OVER                                              | 5.75" | 2.25"  | .78'   |        |
| Flush Joint Anchor                                  | 5.75" | 3.50"  | 37'    |        |
| Blanked-Off B.T. Running Case                       | 5.75" | 3.50"  | 5.00'  | 11659' |
| Total Depth                                         |       |        |        | 11663' |

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