

OWEN

Lease Name

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UNION OIL COMPANY OF CALIFORNIA

Lease Owner/Company Name

MIDLAND, TEXAS

Owner's District

|                                      |             |           |           |        |     |       |            |
|--------------------------------------|-------------|-----------|-----------|--------|-----|-------|------------|
| Legal Location<br>Sec. - Twp. - Rng. | 34 14 S 35E | Field No. | N. MORTON | County | LEA | State | NEW MEXICO |
| Well No.                             |             | Test No.  |           |        |     |       |            |

|                            |                   |                    |                                                                                                        |                                         |                                   |                              |
|----------------------------|-------------------|--------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------|------------------------------|
| Flow Time                  | 1st<br>20<br>Min. | 2nd<br>125<br>Min. | Date                                                                                                   | 4-3-69                                  | Ticket Number                     | 060716-S                     |
| Closed In Press. Time      | 1st<br>60<br>Min. | 2nd<br>240<br>Min. | Kind of Job                                                                                            | Open hole                               | Halliburton District              | Lovington                    |
| Pressure Readings          | Field             | Office Corrected   | Tester                                                                                                 | C. L. Castellow                         | Witness                           | J. White                     |
| Depth of Gauge             | 10602<br>Ft.      | Blanked Off<br>no  | Drilling Contractor                                                                                    | NOBLE DRILLING COMPANY                  | sm                                |                              |
| R.D. No.                   | 1398              | 24<br>Hour Clock   | Elevation                                                                                              | 4013' DF                                | Top Packer                        | 10581'                       |
| Initial Hydro Mud Pressure | 5036              | 5023               | Total Depth                                                                                            | 10612'                                  | Bottom Packer                     | 10587'                       |
| Initial Closed in Pres.    | 4027              | 4071               | Interval Tested                                                                                        | 10587-10612'                            | Formation Tested                  | Permo Pennsylvania           |
| Initial Flow Pres.         | -                 | 1<br>62            | Casing or Hole Size                                                                                    | 7 7/8"                                  | Casing Perfs.                     | Top<br>Bot.                  |
| Final Flow Pres.           | -                 | 1<br>114           | Surface Choke                                                                                          | 1" Adj.                                 | Bottom Choke                      | 3/4"                         |
| Final Closed in Pres.      | 4027              | 4067               | Size & Kind Drill Pipe                                                                                 | 4 1/2" FH                               | Drill Collars Above Tester        | I.D. - LENGTH<br>2.50 x 585' |
| Final Hydro Mud Pressure   | 4944              | 4995               | Mud Weight                                                                                             | 9.0                                     | Mud Viscosity                     | 40                           |
| Depth Cen. Gauge           |                   | Blanked Off        | Temperature                                                                                            | 148                                     | Anchor Size ID & Length           | 2.50<br>5 3/4" X 25'         |
| BT. P.R.D. No.             |                   | Hour Clock         | Depths Mea. From                                                                                       | Rotary table                            | Depth of Tester Valve             | 10560' Ft.                   |
| Initial Hydro Mud Pres.    |                   |                    | TYPE                                                                                                   | AMOUNT                                  | Depth Back Pres. Valve            | Ft.                          |
| Initial Closed in Pres.    |                   |                    | Cushion                                                                                                | none                                    |                                   |                              |
| Initial Flow Pres.         | 1                 |                    | Recovered                                                                                              | 300                                     | Feet of oil                       | Mea. From Tester Valve       |
| Final Flow Pres.           | 2                 |                    | Recovered                                                                                              | 100                                     | Feet of heavy gas and oil cut mud |                              |
| Final Flow Pres.           | 1                 |                    | Recovered                                                                                              | 859                                     | Feet of salt water                |                              |
| Final Closed in Pres.      | 2                 |                    | Recovered                                                                                              |                                         | Feet of                           |                              |
| Final Hydro Mud Pres.      |                   |                    | Oil A.P.I. Gravity                                                                                     | 41                                      | Water Spec. Gravity               | 1.014                        |
| Depth Bot. Gauge           | 10608<br>Ft.      | Blanked Off<br>yes | Gas Gravity                                                                                            | -                                       | Surface Pressure                  | 0 psi                        |
| BT. P.R.D. No.             | 1397              | 24<br>Hour Clock   | Tool Opened                                                                                            | 5:20 AM                                 | A.M. Tool Closed                  | 12:45 PM P.M.                |
| Initial Hydro Mud Pres.    | -                 | 5021               | Remarks                                                                                                | Tool opened for a 20 minute first flow. |                                   |                              |
| Initial Closed in Pres.    | -                 | 4078               | Closed for a 60 minute initial closed in pressure.                                                     |                                         |                                   |                              |
| Initial Flow Pres.         | -                 | 1<br>58            | Tool reopened with a good blow which increased to a strong blow with gas to the surface in 42 minutes. |                                         |                                   |                              |
| Initial Flow Pres.         | -                 | 2<br>225           |                                                                                                        |                                         |                                   |                              |
| Initial Flow Pres.         | -                 | 1<br>130           | Closed tool for a 240 minute final closed in pressure.                                                 |                                         |                                   |                              |
| Initial Flow Pres.         | -                 | 2<br>532           |                                                                                                        |                                         |                                   |                              |
| Initial Closed in Pres.    | -                 | 4073               |                                                                                                        |                                         |                                   |                              |
| Final Hydro Mud Pres.      | -                 | 4998               | pressure.                                                                                              |                                         |                                   |                              |

FORMATION TEST DATA

SPECIAL PRESSURE DATA

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