

EARL SPENCER  
Lease Name

1  
Well No.

4  
Test No.

6469 - 6483'  
Tested Interval

J. D. SANDEFER III  
Lease Owner/Company Name

Legal Location  
Sec. - Twp. - Rng.

T 1 N R 28 E

Field Area

SOUTH OF TIBAN

County

DE BACA

State NEW MEXICO

| FLUID SAMPLE DATA                                                                                                                                                                                                                                                                                    |                       |                               |                        | Date 5-25-74                                       |                               | Ticket Number 625600                  |                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|------------------------|----------------------------------------------------|-------------------------------|---------------------------------------|-------------------------------|
| Sampler Pressure <u>0</u> P.S.I.G. at Surface<br>Recovery: Cu. Ft. Gas <u>None</u><br>cc. Oil <u>None</u><br>cc. Water <u>None</u><br>cc. Mud <u>2100</u><br>Tot. Liquid cc. <u>2100</u><br>Gravity <u>          </u> ° API @ <u>          </u> ° F.<br>Gas/Oil Ratio <u>          </u> cu. ft./bbl. |                       |                               |                        | Kind of Job <u>OPEN HOLE</u>                       |                               | Halliburton District <u>LOVINGTON</u> |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        | Tester <u>BOBBY COOPER</u>                         |                               | Witness <u>BILL ARNOT</u>             |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        | Drilling Contractor <u>CACTUS DRILLING COMPANY</u> |                               | <u>SM S</u>                           |                               |
| EQUIPMENT & HOLE DATA                                                                                                                                                                                                                                                                                |                       |                               |                        |                                                    |                               |                                       |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        | Formation Tested <u>Canyon</u>                     |                               |                                       |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        | Elevation <u>4475'</u>                             |                               | <u>ground level</u> Ft.               |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        | Net Productive Interval <u>10'</u>                 |                               | Ft.                                   |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        | All Depths Measured From <u>Rotary table</u>       |                               |                                       |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        | Total Depth <u>6483'</u>                           |                               | Ft.                                   |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        | Main Hole/Casing Size <u>7 7/8"</u>                |                               |                                       |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        | Drill Collar Length <u>523'</u>                    |                               | I.D. <u>2.25"</u>                     |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        | Drill Pipe Length <u>5903'</u>                     |                               | I.D. <u>2.764"</u>                    |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        | Packer Depth(s) <u>6463-6469'</u>                  |                               | Ft.                                   |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        | Depth Tester Valve <u>6425'</u>                    |                               | Ft.                                   |                               |
| TYPE                                                                                                                                                                                                                                                                                                 |                       | AMOUNT                        |                        | Depth Back                                         |                               | Surface                               |                               |
| Cushion                                                                                                                                                                                                                                                                                              |                       |                               |                        | Ft. Pres. Valve                                    |                               | Choke                                 |                               |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        |                                                    |                               | <u>1" Adj. Bottom Choke 3/4"</u>      |                               |
| Recovered                                                                                                                                                                                                                                                                                            | <u>535</u>            | Feet of <u>drilling fluid</u> |                        |                                                    |                               |                                       |                               |
| Recovered                                                                                                                                                                                                                                                                                            |                       | Feet of                       |                        |                                                    |                               |                                       |                               |
| Recovered                                                                                                                                                                                                                                                                                            |                       | Feet of                       |                        |                                                    |                               |                                       |                               |
| Recovered                                                                                                                                                                                                                                                                                            |                       | Feet of                       |                        |                                                    |                               |                                       |                               |
| Recovered                                                                                                                                                                                                                                                                                            |                       | Feet of                       |                        |                                                    |                               |                                       |                               |
| Remarks <u>Tool opened for 15 minute first flow with a weak blow increasing to fair</u>                                                                                                                                                                                                              |                       |                               |                        |                                                    |                               |                                       |                               |
| <u>blow with 1/4# pressure. Closed tool for 60 minute first closed in pressure</u>                                                                                                                                                                                                                   |                       |                               |                        |                                                    |                               |                                       |                               |
| <u>period with fair blow. Tool reopened for 62 minute second flow with a very weak</u>                                                                                                                                                                                                               |                       |                               |                        |                                                    |                               |                                       |                               |
| <u>(Had only slight increase in bubble &amp; no pressure.)</u>                                                                                                                                                                                                                                       |                       |                               |                        |                                                    |                               |                                       |                               |
| <u>blow...still very weak blow in 33 minutes. Closed tool for 119 minute second</u>                                                                                                                                                                                                                  |                       |                               |                        |                                                    |                               |                                       |                               |
| <u>closed in pressure period with very weak blow.</u>                                                                                                                                                                                                                                                |                       |                               |                        |                                                    |                               |                                       |                               |
| TEMPERATURE                                                                                                                                                                                                                                                                                          |                       | Gauge No. <u>731</u>          |                        | Gauge No. <u>255</u>                               |                               | Gauge No. <u>          </u>           |                               |
|                                                                                                                                                                                                                                                                                                      |                       | Depth: <u>6449</u> Ft.        |                        | Depth: <u>6479</u> Ft.                             |                               | Depth: <u>          </u> Ft.          |                               |
|                                                                                                                                                                                                                                                                                                      |                       | 24 Hour Clock                 |                        | 24 Hour Clock                                      |                               | Hour Clock                            |                               |
| Est. <u>114</u> ° F.                                                                                                                                                                                                                                                                                 | Blanked Off <u>no</u> |                               | Blanked Off <u>yes</u> |                                                    | Blanked Off <u>          </u> |                                       | Tool <u>          </u> A.M.   |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        |                                                    |                               |                                       | Opened <u>11:47</u> P.M.      |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        |                                                    |                               |                                       | Opened <u>          </u> A.M. |
| Actual <u>          </u> ° F.                                                                                                                                                                                                                                                                        | Pressures             |                               | Pressures              |                                                    | Pressures                     |                                       | Bypass <u>3:57</u> P.M.       |
|                                                                                                                                                                                                                                                                                                      | Field                 | Office                        | Field                  | Office                                             | Field                         | Office                                | Reported                      |
|                                                                                                                                                                                                                                                                                                      |                       |                               |                        |                                                    |                               |                                       | Minutes                       |
| Initial Hydrostatic                                                                                                                                                                                                                                                                                  | <u>3311</u>           | <u>3309</u>                   | <u>3300</u>            | <u>3338</u>                                        |                               |                                       |                               |
| First Period Flow                                                                                                                                                                                                                                                                                    | Initial               | <u>71</u>                     | <u>63</u>              | <u>71</u>                                          | <u>78</u>                     |                                       |                               |
|                                                                                                                                                                                                                                                                                                      | Final                 | <u>185</u>                    | <u>171</u>             | <u>186</u>                                         | <u>198</u>                    |                                       |                               |
|                                                                                                                                                                                                                                                                                                      | Closed in             | <u>2727</u>                   | <u>2719</u>            | <u>2735</u>                                        | <u>2751</u>                   |                                       |                               |
| Second Period Flow                                                                                                                                                                                                                                                                                   | Initial               | <u>200</u>                    | <u>181</u>             | <u>201</u>                                         | <u>210</u>                    |                                       |                               |
|                                                                                                                                                                                                                                                                                                      | Final                 | <u>342</u>                    | <u>330</u>             | <u>359</u>                                         | <u>358</u>                    |                                       |                               |
|                                                                                                                                                                                                                                                                                                      | Closed in             | <u>2585</u>                   | <u>2587</u>            | <u>2607</u>                                        | <u>2619</u>                   |                                       |                               |
| Third Period Flow                                                                                                                                                                                                                                                                                    | Initial               |                               |                        |                                                    |                               |                                       |                               |
|                                                                                                                                                                                                                                                                                                      | Final                 |                               |                        |                                                    |                               |                                       |                               |
|                                                                                                                                                                                                                                                                                                      | Closed in             |                               |                        |                                                    |                               |                                       |                               |
| Final Hydrostatic                                                                                                                                                                                                                                                                                    | <u>3283</u>           | <u>3282</u>                   | <u>3314</u>            | <u>3309</u>                                        |                               |                                       |                               |