

OIL AND GAS CONSERVATION COMMISSION  
DEPARTMENT OF NATURAL RESOURCES

00091772

## THE STATE OF COLORADO

triplicate for Patented and Federal lands.  
quadruplicate for State lands.RECEIVED  
NOV 6 1972

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

| 1a. TYPE OF WELL:  |  | OIL WELL <input type="checkbox"/>   | GAS WELL <input type="checkbox"/>  | DRY <input checked="" type="checkbox"/>  | Other _____                        |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|--|--|---|------------------------------------|--|------------------------------------|--|-------------------------|-----------------------|--|------------------------------------|------------------------|------------------|---------------|--------------|------------|------------------------|---------------|-------------------|------------|--|--|--|--|--|--|--|--|------|----------------|-----------------|--|--|--|--|--|--|--|--|--|
| b. TYPE OF COMPLETION:   |  | NEW WELL <input type="checkbox"/>   | WORK OVER <input type="checkbox"/> | DEEP-EN <input type="checkbox"/>   | PLUG BACK <input type="checkbox"/> | DIFF. RESVR. <input type="checkbox"/>  | Other <u>DRY HOLE</u>   |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 2. NAME OF OPERATOR<br><u>Cardinal Petroleum Company</u>   |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 3. ADDRESS OF OPERATOR<br><u>Box 1077, Billings, Montana</u>   |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)<br>At surface <u>2040<sup>1</sup> FEL &amp; 600<sup>1</sup> FNL Sec. 2-2N-57W</u><br>At top prod. interval reported below<br>At total depth <u>same</u> <u>API 05 087 7231</u>   |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 14. PERMIT NO.<br><u>72 430</u>  |  |   |                                    | DATE ISSUED<br><u>6-13-72</u>  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 15. DATE SPUDDED<br><u>7-18-72</u>   |  | 16. DATE T.D. REACHED<br><u>7-27-72</u>   |                                    | 17. DATE COMPL. (Ready to prod.)<br><u>7-27-72 P&amp;A(Plug &amp; Abd.)</u>  |                                    | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)<br><u>4500<sup>1</sup> Gr., 4503<sup>1</sup> KB</u>                   |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 19. ELEV. CASINGHEAD   |  | 20. TOTAL DEPTH, MD & TVD<br><u>5625<sup>1</sup> Drlr, 5620 Log</u>   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 21. PLUG, BACK T.D., MD & TVD<br><u>-</u>  |  | 22. IF MULTIPLE COMPL., HOW MANY  |                                    | 23. INTERVALS DRILLED BY<br><u>0-5625</u>  |                                    | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)<br><u>P&amp;A July 27, 1972</u> |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 25. WAS DIRECTIONAL SURVEY MADE<br><u>no</u>   |  | 26. TYPE ELECTRIC AND OTHER LOGS RUN<br><u>Schlumberger IES and Fm. Density</u>   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 27. WAS WELL CORED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (Submit analysis)<br>DRILL STEM TEST YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See reverse side)   |  | 28. CASING RECORD (Report all strings set in well)<br><table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td><u>8-5/8</u></td><td><u>24#</u></td><td><u>130<sup>1</sup></u></td><td><u>12-1/4</u></td><td><u>120 sx reg</u></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> |                                    |  |                                    |  |                         | CASING SIZE           | WEIGHT, LB./FT.  | DEPTH SET (MD)                     | HOLE SIZE              | CEMENTING RECORD | AMOUNT PULLED | <u>8-5/8</u> | <u>24#</u> | <u>130<sup>1</sup></u> | <u>12-1/4</u> | <u>120 sx reg</u> |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| CASING SIZE  | WEIGHT, LB./FT.  | DEPTH SET (MD)  | HOLE SIZE                          | CEMENTING RECORD   | AMOUNT PULLED                      |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| <u>8-5/8</u>   | <u>24#</u>   | <u>130<sup>1</sup></u>  | <u>12-1/4</u>                      | <u>120 sx reg</u>  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 29. LINER RECORD<br><table border="1"><thead><tr><th>SIZE</th><th>TOP (MD)</th><th>BOTTOM (MD)</th><th>SACKS CEMENT</th><th>SCREEN (MD)</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> |  |   |                                    | SIZE   | TOP (MD)                           | BOTTOM (MD)  | SACKS CEMENT            | SCREEN (MD)           |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  | 30. TUBING RECORD<br><table border="1"><thead><tr><th>SIZE</th><th>DEPTH SET (MD)</th><th>PACKER SET (MD)</th></tr></thead><tbody><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></tbody></table> |  |  |  | SIZE | DEPTH SET (MD) | PACKER SET (MD) |  |  |  |  |  |  |  |  |  |
| SIZE   | TOP (MD)   | BOTTOM (MD)   | SACKS CEMENT                       | SCREEN (MD)  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| SIZE   | DEPTH SET (MD)   | PACKER SET (MD)   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 31. PERFORATION RECORD (Interval, size and number)<br><u>P&amp;A July 27, 1972</u>   |  |   |                                    | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.<br><table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td></td><td><u>DR</u></td></tr><tr><td></td><td><u>FIP</u></td></tr><tr><td></td><td><u>HUM</u></td></tr><tr><td></td><td><u>JAW</u></td></tr><tr><td></td><td><u>JID</u></td></tr></tbody></table> |                                    |  |                         | DEPTH INTERVAL (MD)   | AMOUNT AND KIND OF MATERIAL USED                                     |                                    | <u>DR</u>              |                  | <u>FIP</u>    |              | <u>HUM</u> |                        | <u>JAW</u>    |                   | <u>JID</u> |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| DEPTH INTERVAL (MD)  | AMOUNT AND KIND OF MATERIAL USED                                     |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  | <u>DR</u>  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  | <u>FIP</u>   |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  | <u>HUM</u>   |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  | <u>JAW</u>   |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
|  | <u>JID</u>   |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 33. PRODUCTION<br><table border="1"><thead><tr><th>DATE FIRST PRODUCTION</th><th>PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)</th><th>WELL STATUS (Producing or shut-in)</th></tr></thead><tbody><tr><td><u>P&amp;A 7-27-72</u></td><td></td><td></td></tr></tbody></table>  |  |   |                                    |  |                                    |  |                         | DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) | <u>P&amp;A 7-27-72</u> |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| DATE FIRST PRODUCTION  | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in)  |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| <u>P&amp;A 7-27-72</u>   |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| DATE OF TEST   |  | HOURS TESTED  | CHOKE SIZE                         | PROD'N. FOR TEST PERIOD  | OIL—BBL.                           | GAS—MCF.   | WATER—BBL.              | GAS-OIL RATIO         |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| FLOW. TUBING PRESS.  |  | CASING PRESSURE   | CALCULATED 24-HOUR RATE            | OIL—BBL.   | GAS—MCF.                           | WATER—BBL.   | OIL GRAVITY-API (CORR.) |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)   |  |   |                                    |  |                                    |  |                         | TEST WITNESSED BY     |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 35. LIST OF ATTACHMENTS<br><u>Geological report by Larry E. O'Brian</u>  |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  |  |   |                                    |  |                                    |  |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |
| SIGNED <u>R. D. Orr</u>  |  |   |                                    | TITLE <u>Prod. Supt.</u>   |                                    | DATE <u>Nov. 3, 1972</u>   |                         |                       |  |                                    |                        |                  |               |              |            |                        |               |                   |            |  |  |  |  |  |  |  |  |      |                |                 |  |  |  |  |  |  |  |  |  |

See Spaces for Additional Data on Reverse Side

**37. SUMMARY OF POROUS ZONES:**

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC.    |
|-----------|-----|--------|--------------------------------|
|           |     |        | SEE ATTACHED GEOLOGICAL REPORT |

38.

**GEOLOGIC MARKERS**

| NAME | TOP         |                  |
|------|-------------|------------------|
|      | MEAS. DEPTH | TRUE VERT. DEPTH |
|      |             |                  |



BEST IMAGE  
AVAILABLE

Well File

RECEIVED

NOV 1 1972

COLO. OIL & GAS COMM.

WELL REPORT

CARDINAL PETROLEUM COMPANY - HUEY

#1 LEE-LUSBY

2040' FFL & 600' FNL Section 2  
Township 2 North, Range 57 West  
Morgan County, Colorado

Larry E. O'Brien  
919 Midland Savings Building  
Denver, Colorado 80202  
303-802-7061

BEST IMAGE  
AVAILABLE



WELL DATA

OPERATOR: Cardinal Petroleum Company  
P.O. Box 1077  
Billings, Montana 59103

WELL NAME: #1 Lee-Lusby

LOCATION: 2040' FEL & 600' FNL Section 2  
Township 2 North, Range 57 West  
Morgan County, Colorado

ELEVATION: 4500' Ground; 4503' Kelly Bushing  
(4' Cutoon location plus 7' substructure)

CONTRACTOR: Jim Snyder Drilling Co.  
Denver, Colorado  
Rig #3  
Tool Pusher: Dave Rankin  
Drillers:  
Morning - A. C. Hamby  
Daylight - Robert E. Rankin  
Evening - Gary Good

SPUD DATE: July 18, 1972

COMPLETION DATE: July 27, 1972

SURFACE CASING: Set 3 joints (120'), 8-5/8" surface casing at 130'  
with 120 sacks regular and recemented with 158  
sacks regular cement.

DRILL-STEM TEST: Virg's 5468 to 5498 Failed to reach bottom  
Virg's 5472 to 5483 Packers failed  
Virg's 5474 to 5485 "D" Sand

CORES: None

LOGS: Schlumberger, Induction-Electric 132' - 5620'  
Schlumberger, Formation Density Log 4700' - 5620'

STATUS: Plugged and abandoned





SCHLUMBERGER TOPS

| <u>FORMATION</u>         | <u>TOP</u> | <u>DATUM</u> |
|--------------------------|------------|--------------|
| Niobrara                 | 4716       | - 213        |
| Ft. Hays                 | 5017       | - 514        |
| Greenhorn                | 5276       | - 773        |
| Bentonite                | 5370       | - 877        |
| "D" Sand                 | 5462       | - 959        |
| "J" Sand                 | 5535       | -1032        |
| Total Depth Driller      | 5619       | -1116        |
| Total Depth Schlumberger | 5620       | -1117        |

SAMPLE DESCRIPTION

All descriptions lagged and corrected to Induction-Electric log depths.

|             |  |
|-------------|--|
| 5400 - 5462 | Shale, medium grey, silty in part.   |
| 5462 - 5468 | Sandstone, white, fine-grained, clay infilled, firm, subrounded to subangular. No shows.   |
| 5468 - 5474 | Shale, medium grey, soft to fissile in part, some stringers sandstone as above interbedded.  |
| 5474 - 5478 | Sandstone, white, well sorted, fine grained, some clay infilling, subrounded to subangular. Most sample no show; however, 6 to 8 pieces had slight staining, fair fluorescence and good cut on fresh breaks. |
| 5478 - 5482 | Shale, medium to light grey, soft.   |
| 5482 - 5486 | Sandstone, white, fine grained, poor sorting, clay infilled, subrounded to subangular. No shows.   |
| 5486 - 5514 | Shale, medium to light grey, soft.   |
| 5514 - 5535 | Shale, medium to light grey, with interbedded siltstones, grey, hard.  |
| 5535 - 5556 | Sandstone, white, fine grained, dirty, poor sorting, subrounded to subangular. No shows.   |
| 5556 - 5560 | Shale, medium grey, silty in part.   |
| 5560 - 5567 | Sandstone, white, fine to medium grained, good sorting, clean, subrounded to subangular, friable. No shows.  |
| 5567 - 5570 | Shale, medium grey, some interbedded siltstone.  |
| 5570 - 5575 | Sandstone, white, fine grained, partially clay infilled, firm, subangular to subrounded. No shows.   |
| 5575 - 5578 | Shale, medium grey, some interbedded silt.   |
| 5578 - 5619 | Sandstone, white, fine grained, some clay infilling, subangular to subrounded, firm. Some sandstone, white, fine-medium grained, friable, clean, subangular. No shows anywhere in entire interval.           |



DRILL-STEM TESTS

DST #1 5468 to 5498 "D" Sand  
Misrun.  
Tool stopped 180' of bottom

DST #2 5472 to 5493 "D" Sand Straddle Packers  
Misrun.  
Upper Packers failed immediately.

DST #3 5574 to 5485 "D" Sand Straddle Packers  
First Flow Period - 30 minutes, First Shut-In Period - 30 minutes  
Second Flow Period - 60 minutes, Second Shut-In Period - 60 minutes

Blow: 1st Open Flow - Very weak blow, dead in 10 minutes  
2nd Open Flow - Dead throughout

Recovery: 65' mud cut water

Sample Chamber: 1450 cc water

IHP 2466 psi, IFP<sub>1</sub> 47 psi, ISIP 1342 psi, IFP<sub>2</sub> 59 psi  
FHP 2955 psi, FFP<sub>1</sub> 47 psi, FSIP 1330 psi, FFP<sub>2</sub> 59 psi  
BHT - 152°; Mud weight - 10; Viscosity - 90

Tool was not plugged. Bottom packer did hold.



BEST IMAGE  
AVAILABLE



DEVIATION RECORD

| <u>Depth</u> | <u>Deviation</u> | <u>Depth</u> | <u>Deviation</u> |
|--------------|------------------|--------------|------------------|
| 131          | 1/4°             | 2877         | 1/2°             |
| 616          | 1/4°             | 3558         | 1/2°             |
| 1127         | 1/4°             | 4058         | 3/4°             |
| 1612         | 1/2°             | 4410         | 1/2°             |
| 2120         | 1/4°             | 5163         | 1°               |
| 2634         | 1/2°             | 5625         | 1°               |

MUD RECORD

| <u>Date</u> | <u>Time</u> | <u>Weight</u><br>(lbs. per gal.) | <u>Viscosity</u><br>(1500/qt.) | <u>pH</u> | <u>Water Loss</u><br>(ml/30 min) | <u>Depth</u> |
|-------------|-------------|----------------------------------|--------------------------------|-----------|----------------------------------|--------------|
| 7/20/72     |             | Water                            |                                |           |                                  |              |
| 7/23/72     | 8:30 a.m.   | 9.6                              | 38                             | 8.5       | 5.8                              | 5031         |
| 7/24/72     | 10:30 a.m.  | 9.8                              | 48                             | 9.0       | 5.2                              | 5491         |
| 7/25/72     | 10:00 a.m.  | 9.8                              | 48                             | 8.5       | 5.0                              | 5584         |



CHRONOLOGICAL HISTORY

1972

- July 17            Moved in and rigged up rig.
- July 18            Rigged up rig and spudded 5:00 p.m. Drilled 135', 12-1/4" surface hole. Set 3 joints (120') - 8-5/8" at 130' with 120 sacks regular cement, 3% calcium chloride. Plugged down 10:45 p.m. Midnight waiting on cement.
- July 19            Recemented surface casing with 158 sacks regular cement, 3% calcium chloride. Plug down at 7:00 a.m. Drilled out plug at 4:00 p.m. Drilled ahead to 12:00 midnight, depth 796'.
- July 20            Drilled ahead. Down 1 hour waiting on pump. Depth at 12:00 midnight 2782'.
- July 21            Drilled ahead 12:00 midnight to 2:10 a.m. Depth 2874'. Round trip for Bit #2, 2:10 a.m. to 5:55 a.m. Drilled ahead 5:55 a.m. to 12:00 midnight, depth 4027'.
- July 22            Drilled ahead 12:00 midnight to 7:10 a.m., depth 4404'. Waited on pump 7:10 a.m. to 9:08 a.m. Drilled ahead 9:08 a.m. to 9:12 a.m., depth 4009'. Jetted pits 9:12 a.m. to 10:07 a.m. Round trip for Bit #3, 10:07 a.m. to 4:15 a.m. Drilled ahead 4:15 p.m. to 4:45 p.m., depth 4434'. Changed water pump and pump motor 4:45 p.m. to 6:25 p.m. Drilled ahead 6:25 p.m. to 12:00 midnight, depth 4736'.
- July 23            Drilled ahead 12:00 midnight to 2:00 p.m., depth 5162'. Round trip for Bit #4, 2:00 p.m. to 9:10 p.m. Drilled ahead 9:10 p.m. to 12:00 midnight, depth 5245'.
- July 24            Drilled ahead 12:00 midnight to 11:45 a.m., depth 5498'. Trip out for Bit #5, 11:45 a.m. to 1:50 p.m. Started (Bit just below rotary table) in hole, orders changed. Waited on Virg's testers, 2:00 p.m. to 3:00 p.m. Picked up test tool 3:00 p.m. to 4:45 p.m. Started in hole 4:45 p.m., got to within 180' of total depth and could go no further. Started out of hole 6:55 p.m. Orders changed to drill to total depth, log and drill stem test from logs. Round trip for Bit #5 under way at 12:00 midnight.





- July 25      Finish trip for Bit #5 at 12:55 p.m. Drilled ahead 12:55 p.m. to 11:00 a.m., depth 5588'. Trip for Bit #6, 11:00 a.m. to 6:00 p.m., spent 2 hours reaming. Drilled ahead 6:00 p.m. to 10:45 p.m. Total depth this well 5620'. Conditioned hole 10:45 to 11:50 p.m. Tripping at 12:00 midnight.
- July 26      Trip out for logs, rearrange pipe in derrick and rig up loggers 12:00 midnight to 4:00 a.m. Ran Schlumberger logs 4:00 a.m. to 8:15 a.m. Waiting on orders 8:15 a.m. to 9:30 a.m. Time 9:30 a.m. to 11:00 a.m. unaccounted for. Picked up Virg's testers tool 11:00 a.m. to 11:30 a.m. Started in hole for DST #2 at 11:30 a.m. Packers failed 1:25 a.m., no test, pulled out of hole to rerig test, on surface at 4:00 p.m. Repaired test tool and waited on orders 4:00 p.m. to 7:00 p.m. Started in hole with DST #3 at 7:00 p.m. Commence testing at 8:45 p.m., finished test and started out of hole at 11:45 p.m. Tripping at 12:00 midnight.
- July 27      Tripped out with DST #3 12:00 midnight to 3:30 a.m. Broke down test tool and retrieved recorders 3:30 a.m. to 4:00 a.m. Waited on orders 4:00 a.m. to 4:45 a.m. Orders to plug and abandoned received at 4:45 a.m.