

UNIT STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other  
instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                                           |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------|------------------------------------|-----------------------------------------------------------------------|--------------------------------|--------------------------------------------------------|--|------------------------------------------------|--|----------------------------------|--|-----------------|--|
| 1a. TYPE OF WELL:                                                                                                                                                                                                         |  | OIL WELL <input checked="" type="checkbox"/>                                                                       | GAS WELL <input type="checkbox"/>  | DRY <input type="checkbox"/>                      | Other <input type="checkbox"/>     |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
| b. TYPE OF COMPLETION:                                                                                                                                                                                                    |  | NEW WELL <input checked="" type="checkbox"/>                                                                       | WORK OVER <input type="checkbox"/> | DEEP-EN <input type="checkbox"/>                  | PLUG BACK <input type="checkbox"/> | DIFF. RESVR. <input type="checkbox"/>                                 | Other <input type="checkbox"/> |                                                        |  |                                                |  |                                  |  |                 |  |
| 2. NAME OF OPERATOR<br><b>The Eastland Drilling Company</b>                                                                                                                                                               |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
| 3. ADDRESS OF OPERATOR<br><b>730 Petroleum Life Building, Midland, Texas 79701</b>                                                                                                                                        |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface <b>330' FWL and 990' FEL</b><br>At top prod. interval reported below <b>Same</b><br>At total depth <b>Same</b> |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
| 14. PERMIT NO.                                                                                                                                                                                                            |  |                                                                                                                    | DATE ISSUED                        |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
| 15. DATE SPURRED<br><b>8-20-68</b>                                                                                                                                                                                        |  | 16. DATE T.D. REACHED<br><b>9-1-68</b>                                                                             |                                    | 17. DATE COMPL. (Ready to prod.)<br><b>9-8-68</b> |                                    | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br><b>4171' RKB, 4160' GR</b> |                                | 19. ELEV. CASINGHEAD<br><b>4160'</b>                   |  |                                                |  |                                  |  |                 |  |
| 20. TOTAL DEPTH, MD & TVD<br><b>3555</b>                                                                                                                                                                                  |  | 21. PLUG, BACK T.D., MD & TVD<br><b>3533</b>                                                                       |                                    | 22. IF MULTIPLE COMPL., HOW MANY*<br><b>-</b>     |                                    | 23. INTERVALS DRILLED BY<br><b>0-3555</b>                             |                                | 25. WAS DIRECTIONAL SURVEY MADE<br><b>No</b>           |  |                                                |  |                                  |  |                 |  |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br><b>3599-3528' (San Andres)</b>                                                                                                           |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                | 27. WAS WELL CORED<br><b>No</b>                        |  |                                                |  |                                  |  |                 |  |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br><b>Gamma Ray-Neutron</b>                                                                                                                                                          |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                        |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
| CASING SIZE                                                                                                                                                                                                               |  | WEIGHT, LB./FT.                                                                                                    |                                    | DEPTH SET (MD)                                    |                                    | HOLE SIZE                                                             |                                | CEMENTING RECORD                                       |  | AMOUNT PULLED                                  |  |                                  |  |                 |  |
| <b>8-5/8"</b>                                                                                                                                                                                                             |  | <b>24#</b>                                                                                                         |                                    | <b>393.50</b>                                     |                                    | <b>11"</b>                                                            |                                | <b>275 sz reg.</b>                                     |  | <b>None</b>                                    |  |                                  |  |                 |  |
| <b>4-1/2"</b>                                                                                                                                                                                                             |  | <b>9.5#</b>                                                                                                        |                                    | <b>3555.0</b>                                     |                                    | <b>7-7/8"</b>                                                         |                                | <b>250 sz Incon-Pes</b>                                |  | <b>None</b>                                    |  |                                  |  |                 |  |
| 29. LINER RECORD                                                                                                                                                                                                          |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  | 30. TUBING RECORD                              |  |                                  |  |                 |  |
| SIZE                                                                                                                                                                                                                      |  | TOP (MD)                                                                                                           |                                    | BOTTOM (MD)                                       |                                    | SACKS CEMENT*                                                         |                                | SCREEN (MD)                                            |  | SIZE                                           |  | DEPTH SET (MD)                   |  | PACKER SET (MD) |  |
| <b>None</b>                                                                                                                                                                                                               |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  | <b>2" RUC</b>                                  |  | <b>3538</b>                      |  | <b>None</b>     |  |
| 31. PERFORATION RECORD (Interval, size and number)<br><b>One jet hole each at 3499, 3503, 3507, 3511, 3515, 3517, 3519, 3526, and 3528'.</b>                                                                              |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |  |                                  |  |                 |  |
|                                                                                                                                                                                                                           |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  | DEPTH INTERVAL (MD)                            |  | AMOUNT AND KIND OF MATERIAL USED |  |                 |  |
|                                                                                                                                                                                                                           |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  | <b>3499-3528</b>                               |  | <b>1500 gals. 15% acid</b>       |  |                 |  |
|                                                                                                                                                                                                                           |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  | <b>3499-3528</b>                               |  | <b>16,000 gals. 28% acid</b>     |  |                 |  |
| 33.* PRODUCTION                                                                                                                                                                                                           |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
| DATE FIRST PRODUCTION<br><b>9-27-68</b>                                                                                                                                                                                   |  | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br><b>Pumping - 2" x 1 1/4" x insert pump</b> |                                    |                                                   |                                    |                                                                       |                                | WELL STATUS (Producing or shut-in)<br><b>Producing</b> |  |                                                |  |                                  |  |                 |  |
| DATE OF TEST<br><b>10-2-68</b>                                                                                                                                                                                            |  | HOURS TESTED<br><b>24</b>                                                                                          |                                    | CHOKE SIZE<br><b>12-48"SPM</b>                    |                                    | PROD'N. FOR TEST PERIOD<br><b>65.77</b>                               |                                | OIL—BBL.<br><b>25.0</b>                                |  | GAS—MCF.<br><b>43.21</b>                       |  | WATER—BBL.<br><b>380</b>         |  | GAS-OIL RATIO   |  |
| FLOW. TUBING PRESS.<br><b>275</b>                                                                                                                                                                                         |  | CASING PRESSURE<br><b>275</b>                                                                                      |                                    | CALCULATED 24-HOUR RATE<br><b>65.77</b>           |                                    | OIL—BBL.<br><b>25.0</b>                                               |                                | GAS—MCF.<br><b>43.21</b>                               |  | WATER—BBL.<br><b>26.0</b>                      |  | OIL GRAVITY-API (CORR.)          |  |                 |  |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br><b>Vented</b>                                                                                                                                               |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
| 35. LIST OF ATTACHMENTS<br><b>Logs, Inclination Report.</b>                                                                                                                                                               |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                                         |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
| SIGNED <b>George D. Neal</b>                                                                                                                                                                                              |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  | TITLE <b>Superintendent</b>                    |  | DATE <b>Oct. 3, 1968</b>         |  |                 |  |
| ACCEPTED FOR RECORD (See Instructions and Spaces for Additional Data on Reverse Side)                                                                                                                                     |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |
| <b>J. W. Smith</b><br>District Engineer                                                                                                                                                                                   |  |                                                                                                                    |                                    |                                                   |                                    |                                                                       |                                |                                                        |  |                                                |  |                                  |  |                 |  |

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

| 37. SUMMARY OF POROUS ZONES:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING<br>DEPT-H INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES |      |        | 38. GEOLOGIC MARKERS                                                                                                                                                                                                                 |                                        |                              |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|------------------|
| FORMATION                                                                                                                                                                                                                                              | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC.                                                                                                                                                                                                          | NAME                                   | MEAS. DEPTH                  | TRUE VERT. DEPTH |
| San Andres                                                                                                                                                                                                                                             | 3200 | 3300   | DST #1. Recovered 1860' drilling mud in 1 hr. w/no shows oil, gas or water. (Hole in DP allowed mud fillup). Initial flow - 393cf, final flow 731cf. Initial shut-in - 1631cf (one hour).<br><br>Completion interval, oil and water. | Rustler<br><br>Yates<br><br>San Andres | 1088<br><br>1614<br><br>2770 |                  |
| San Andres                                                                                                                                                                                                                                             | 3499 | 3528   |                                                                                                                                                                                                                                      |                                        |                              |                  |

OCT 3 11 45 AM '68

INCLINATION REPORT

POOL: Cato (San Andres) COUNTY: Chaves, New Mexico  
OPERATOR: The Eastland Drilling Co. ADDRESS: 730 Petroleum Life Bldg.  
Midland, Texas 79701  
LEASE: Hodges Fed. Well No. 2 UNIT: A Sec. 27, TSP 8S Rge 30E

RECORD OF INCLINATION

| <u>Depth (Feet)</u> | <u>Angle of Inclination (Degrees)</u> |
|---------------------|---------------------------------------|
| 395                 | 1/4                                   |
| 875                 | 1/2                                   |
| 1375                | 3/4                                   |
| 1820                | 3/4                                   |
| 2603                | 1                                     |
| 3073                | 3/4                                   |
| 3236                | 3/4                                   |
| 3555                | 1                                     |

I hereby certify that I have personal knowledge of the data and facts placed on this sheet, and that such information given above is true and complete.

George D. Neal  
Signature  
THE EASTLAND DRILLING COMPANY

Before me, the undersigned authority, on this day personally appeared George D. Neal, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is acting at the direction and on behalf of the operator of the well identified in this instrument, and that such well was not intentionally deviated from the vertical whatsoever.

George D. Neal Supt.  
Signature and Title

Sworn and subscribed to before me this 3rd day of October, 1968.

Philip L. Crockett  
Notary Public and in and for  
Midland County, Texas.

My Commission expires  
June 1, 1969.

RECEIVED  
OCT 04 1968  
U. S. GEOLOGICAL SURVEY