

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions 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"/>                                                                                    |                               |                                                                                                                         |                                       | 5. LEASE DESIGNATION AND SERIAL NO.<br><b>NM 03429</b>                                                                                                                  |                                                        |
| 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"/> |                               |                                                                                                                         |                                       | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br><b>West Jal "A"</b>                                                                                                             |                                                        |
| 2. NAME OF OPERATOR<br><b>Skelly Oil Company</b>                                                                                                                                                                                                |                               |                                                                                                                         |                                       | 7. UNIT AGREEMENT NAME<br><b>West Jal "A"</b>                                                                                                                           |                                                        |
| 3. ADDRESS OF OPERATOR<br><b>Box 730 - Hobbs, New Mexico</b>                                                                                                                                                                                    |                               |                                                                                                                         |                                       | 8. FARM OR LEASE NAME<br><b>West Jal "A"</b>                                                                                                                            |                                                        |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface <b>1980' FSL &amp; 1980' FWL of Section 21 - 255 - 36E</b><br>At top prod. interval reported below<br>At total depth                 |                               |                                                                                                                         |                                       | 9. WELL NO.<br><b>1</b>                                                                                                                                                 |                                                        |
| 14. PERMIT NO. _____ DATE ISSUED _____                                                                                                                                                                                                          |                               |                                                                                                                         |                                       | 10. FIELD AND POOL, OR WILDCAT<br><b>Wildcat</b>                                                                                                                        |                                                        |
| 15. DATE SPUDDED<br><b>May 3, 1963</b>                                                                                                                                                                                                          |                               |                                                                                                                         |                                       | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA<br><b>Sec. 21 - 255 - 36E</b>                                                                                         |                                                        |
| 16. DATE T.D. REACHED<br><b>Aug. 9, 1963</b>                                                                                                                                                                                                    |                               |                                                                                                                         |                                       | 12. COUNTY OR PARISH<br><b>Lea</b>                                                                                                                                      |                                                        |
| 17. DATE COMPL. (Ready to prod.)<br><b>October 6, 1963</b>                                                                                                                                                                                      |                               |                                                                                                                         |                                       | 13. STATE<br><b>New Mexico</b>                                                                                                                                          |                                                        |
| 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br><b>3095' DF</b>                                                                                                                                                                                      |                               |                                                                                                                         |                                       | 19. ELEV. CASINGHEAD<br>_____                                                                                                                                           |                                                        |
| 20. TOTAL DEPTH, MD & TVD<br><b>12,782' MD</b>                                                                                                                                                                                                  |                               | 21. PLUG, BACK T.D., MD & TVD<br><b>7645' MD</b>                                                                        |                                       | 22. IF MULTIPLE COMPL., HOW MANY*<br><b>None</b>                                                                                                                        |                                                        |
| 23. INTERVALS DRILLED BY<br><b>0 - 12,782'</b>                                                                                                                                                                                                  |                               |                                                                                                                         |                                       | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br><b>7510 - 7569<br/>7569 - 7580' - Delaware - MD</b>                                    |                                                        |
| 25. WAS DIRECTIONAL SURVEY MADE<br><b>No</b>                                                                                                                                                                                                    |                               |                                                                                                                         |                                       | 26. TYPE ELECTRIC AND OTHER LOGS RUN<br><b>Schlumberger's - Microlog - Sonic Log - Induction<br/>Electrical &amp; Welox's - Acoustic Cement Bond Micro - Seismogram</b> |                                                        |
| 27. WAS WELL CORED<br><b>No</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>13-3/8"</b>                                                                                                                                                                                                                                  | <b>42</b>                     | <b>350'</b>                                                                                                             | <b>17-1/2"</b>                        | <b>400</b>                                                                                                                                                              | <b>None</b>                                            |
| <b>9-5/8"</b>                                                                                                                                                                                                                                   | <b>36</b>                     | <b>5290'</b>                                                                                                            | <b>12-1/4"</b>                        | <b>2050</b>                                                                                                                                                             | <b>None</b>                                            |
| <b>7"</b>                                                                                                                                                                                                                                       | <b>26</b>                     | <b>11300'</b>                                                                                                           | <b>8-3/4"</b>                         | <b>370</b>                                                                                                                                                              | <b>None</b>                                            |
| 29. LINER RECORD                                                                                                                                                                                                                                |                               |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| SIZE                                                                                                                                                                                                                                            | TOP (MD)                      | BOTTOM (MD)                                                                                                             | SACKS CEMENT*                         | SCREEN (MD)                                                                                                                                                             |                                                        |
| <b>None</b>                                                                                                                                                                                                                                     |                               |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| 30. TUBING RECORD                                                                                                                                                                                                                               |                               |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| SIZE                                                                                                                                                                                                                                            | DEPTH SET (MD)                | PACKER SET (MD)                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| <b>2"</b>                                                                                                                                                                                                                                       | <b>7550</b>                   |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                                                              |                               |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| <b>SEE ATTACHED SHEET</b>                                                                                                                                                                                                                       |                               |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                                  |                               |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                                             |                               |                                                                                                                         | AMOUNT AND KIND OF MATERIAL USED      |                                                                                                                                                                         |                                                        |
| <b>SEE ATTACHED SHEET</b>                                                                                                                                                                                                                       |                               |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| 33.* PRODUCTION                                                                                                                                                                                                                                 |                               |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| DATE FIRST PRODUCTION<br><b>October 6, 1963</b>                                                                                                                                                                                                 |                               | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br><b>Pump - 2" x 1-1/4" x 12' x 16' H &amp; F</b> |                                       |                                                                                                                                                                         | WELL STATUS (Producing or shut-in)<br><b>Producing</b> |
| DATE OF TEST<br><b>Oct. 6, 1963</b>                                                                                                                                                                                                             | HOURS TESTED<br><b>24</b>     | CHOKE SIZE<br><b>---</b>                                                                                                | PROD'N. FOR TEST PERIOD<br><b>---</b> | OIL—BBL.<br><b>65</b>                                                                                                                                                   | GAS—MCF.<br><b>787M</b>                                |
| FLOW. TUBING PRESS.<br><b>---</b>                                                                                                                                                                                                               | CASING PRESSURE<br><b>---</b> | CALCULATED 24-HOUR RATE<br><b>---</b>                                                                                   | OIL—BBL.<br><b>---</b>                | GAS—MCF.<br><b>---</b>                                                                                                                                                  | WATER—BBL.<br><b>45</b>                                |
|                                                                                                                                                                                                                                                 |                               |                                                                                                                         |                                       |                                                                                                                                                                         | GAS-OIL RATIO<br><b>---</b>                            |
|                                                                                                                                                                                                                                                 |                               |                                                                                                                         |                                       |                                                                                                                                                                         | OIL GRAVITY-API (CORR.)<br><b>39.4°</b>                |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br><b>Vented - Waiting on gas connection</b>                                                                                                                                         |                               |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| 35. LIST OF ATTACHMENTS<br><b>Items No. 31 &amp; 32</b>                                                                                                                                                                                         |                               |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                                                               |                               |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |
| SIGNED <b>(ORIGINAL SIGNED) H. E. Asb</b> TITLE <b>Dist. Supt.</b> DATE <b>October 30, 1963</b>                                                                                                                                                 |                               |                                                                                                                         |                                       |                                                                                                                                                                         |                                                        |

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# 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:

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

| FORMATION                                                                         | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME                                | MEAS. DEPTH | TRUE VERT. DEPTH |
|-----------------------------------------------------------------------------------|-----|--------|-----------------------------|-------------------------------------|-------------|------------------|
| DST No. 1 - 11,300' to 11,776' (476') STREUM                                      |     |        |                             | Anhydrite                           | 1273        |                  |
| Run 360 fts. (11,188' LHM) 2-3/8" OD 4.64 11-80                                   |     |        |                             | Salt                                | 1479        |                  |
| burton "RTS" packer set at 11,215' with bottom of tool at 11,215' - 1/4" bottom   |     |        |                             | Salt *                              | 3294        |                  |
| hole and 3/8" top hole choke. Tested 2-3/8" tubing and packer with fresh water    |     |        |                             | Tansill                             | 5377        |                  |
| to 9000 psi (full water stirring of water cushion). Open tool 1 hour - unloaded   |     |        |                             | Yates                               | 3571        |                  |
| 2-1/2 bbls. of lead water. Shut in 1 hour for initial BHP. Reseamed tool for      |     |        |                             | Seven Rivers                        | 3798        |                  |
| 12-1/2 hours, small air blow throughout test, flowed 8 bbls. lead water. Shut     |     |        |                             | Dalaware Sand                       | 5356        |                  |
| in 1 hour for final BHP. Started out of hole. On breaking off testing head had    |     |        |                             | Bone Springs                        | 7657        |                  |
| approximately 10 gals. oil and slight show of gas. Pulled drill pipe and packer,  |     |        |                             | 1st Bone                            | 9327        |                  |
| recovered 6300' gas cut lead water and 4900' gas cut mud. Initial MI. Flowing     |     |        |                             | Springs Sand                        |             |                  |
| pressure 4400 psi. Final MI. Flowing pressure 5525 psi. Hydrostatic pressure      |     |        |                             | 2nd Bone                            |             |                  |
| 8325 psi. (in & out). No MI. shut in pressure recorded.                           |     |        |                             | Springs Sand                        | 10117       |                  |
| DST No. 2 - 11,300' to 11,537' (537')                                             |     |        |                             | Wolfcamp                            | 10902       |                  |
| Run 2-3/8" OD Mattress Rd. tubing with Halliburton "RTS" packer set at 11,215'    |     |        |                             | Strom                               | 11263       |                  |
| 1/4" bottom & 3/8" top hole choke, 5607' fresh water blanket. Tool open for 2     |     |        |                             | Atoka                               | 11331       |                  |
| hours with good air blow throughout. Closed tool for 1 hour initial shut in       |     |        |                             | Morrow                              | 11697       |                  |
| pressure. Reseamed tool for 1/4 hour with good air blow, no fluid to surface.     |     |        |                             | 2nd Wolfcamp                        | 11774       |                  |
| Unseamed packer and reversed out, recovered water blanket and estimated 5600' gas |     |        |                             | 2nd Strom                           | 11846       |                  |
| cut mud. Hydrostatic pressure 8143 psi (in) 8203 psi (out), initial flowing       |     |        |                             | 2nd Atoka                           | 12574       |                  |
| pressure 3515 psi, final flowing pressure 4083 psi. Final shut in pressure        |     |        |                             | * Base                              |             |                  |
| 4930 psi.                                                                         |     |        |                             | Geological Tops by Schlumberger's - |             |                  |

For Det. No. 3 & 4 - See Attached Sheet