

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 type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other <input type="checkbox"/>                                                                         |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>N.M. 0555225                                                             |  |
| 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 <input type="checkbox"/> |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                                                            |  |
| 2. NAME OF OPERATOR<br>Sun Oil Company                                                                                                                                                                                               |  | 7. UNIT AGREEMENT NAME                                                                                          |  |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 1861 Midland, Texas 79701                                                                                                                                                                        |  | 8. FARM OR LEASE NAME<br>Sandoval-Federal                                                                       |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface 330' FNL and 2310' FWL of Section 24.<br>At top prod. interval reported below<br>At total depth                           |  | 9. WELL NO.<br>1                                                                                                |  |
| 14. PERMIT NO.<br>Approved                                                                                                                                                                                                           |  | DATE ISSUED<br>5-25-71                                                                                          |  |
| 15. DATE SPUDDED<br>6-3-71                                                                                                                                                                                                           |  | 16. DATE T.D. REACHED<br>7-7-71                                                                                 |  |
| 17. DATE COMPLE. (Ready to prod.)                                                                                                                                                                                                    |  | 18. ELEVATIONS (DF, REB, RT, GR, ETC.)*<br>6562.0 - GR.                                                         |  |
| 19. ELEV. CASINGHEAD                                                                                                                                                                                                                 |  | 20. TOTAL DEPTH, MD & TVD<br>8750                                                                               |  |
| 21. PLUG, BACK T.D., MD & TVD                                                                                                                                                                                                        |  | 22. IF MULTIPLE COMPLE., HOW MANY*                                                                              |  |
| 23. INTERVALS DRILLED BY                                                                                                                                                                                                             |  | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*                                   |  |
| 25. WAS DIRECTIONAL SURVEY MADE<br>No                                                                                                                                                                                                |  | 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>Sonic-GR, Ind.-Elec., Neutron Porosity, Mud & Cutting Analysis, Density |  |
| 27. WAS WELL CORED<br>No                                                                                                                                                                                                             |  | 28. CASING RECORD (Report all strings set in well)                                                              |  |
| CASING SIZE                                                                                                                                                                                                                          |  | WEIGHT, LB./FT.                                                                                                 |  |
| 13 3/8                                                                                                                                                                                                                               |  | 48                                                                                                              |  |
| 8 5/8                                                                                                                                                                                                                                |  | 24-28                                                                                                           |  |
| DEPTH SET (MD)                                                                                                                                                                                                                       |  | HOLE SIZE                                                                                                       |  |
| 380                                                                                                                                                                                                                                  |  | 17 1/2                                                                                                          |  |
| 3539                                                                                                                                                                                                                                 |  | 12 1/4                                                                                                          |  |
| CEMENTING RECORD                                                                                                                                                                                                                     |  | AMOUNT PULLED                                                                                                   |  |
| 350 sx. Incor Cl. C                                                                                                                                                                                                                  |  |                                                                                                                 |  |
| 470 sx Incor 50-50                                                                                                                                                                                                                   |  |                                                                                                                 |  |
| Pozmix w/4% Gel, 1/4#                                                                                                                                                                                                                |  |                                                                                                                 |  |
| Flocele per sk.                                                                                                                                                                                                                      |  |                                                                                                                 |  |
| 29. LINER RECORD                                                                                                                                                                                                                     |  | 30. TUBING RECORD                                                                                               |  |
| SIZE                                                                                                                                                                                                                                 |  | TOP (MD)                                                                                                        |  |
| BOTTOM (MD)                                                                                                                                                                                                                          |  | SACKS CEMENT*                                                                                                   |  |
| SCREEN (MD)                                                                                                                                                                                                                          |  | SIZE                                                                                                            |  |
| DEPTH SET (MD)                                                                                                                                                                                                                       |  | PACKER SET (MD)                                                                                                 |  |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                                                   |  | 32. ACID, SHOT, FRACTURE, CEMENT, ETC.                                                                          |  |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                                  |  | AMOUNT AND KIND OF MATERIAL USED                                                                                |  |
| 1802' - 2216'                                                                                                                                                                                                                        |  |                                                                                                                 |  |
| 2216' - 2471'                                                                                                                                                                                                                        |  |                                                                                                                 |  |
| 2471' - 3520' 10"                                                                                                                                                                                                                    |  |                                                                                                                 |  |
| 3520' - 4120'                                                                                                                                                                                                                        |  |                                                                                                                 |  |
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| 26200' - 26300'                                                                                                                                                                                                                      |  |                                                                                                                 |  |
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| 37500' - 37600'                                                                                                                                                                                                                      |  |                                                                                                                 |  |
| 37600' - 37700'                                                                                                                                                                                                                      |  |                                                                                                                 |  |
| 37700' - 37800'                                                                                                                                                                                                                      |  |                                                                                                                 |  |

# 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 INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION | TOP    | BOTTOM     | DESCRIPTION, CONTENTS, ETC.                 |
|-----------|--------|------------|---------------------------------------------|
|           | 0      | 7193       | Sand and shale                              |
|           | 7193   | 7340       | Sand, Shale, Lime                           |
|           | 7340   | 7583       | Sand and shale                              |
|           | 7583   | 8750       | Sandy shale & lime                          |
|           | DST #1 | 8205-8256, | 10 min. preflow, 60 min. ISIP, Tool open 2  |
|           |        | water cut  | drilling mud and 3952 ft. water. ISIP 3733, |
|           |        | FFP 1865,  | FSIP 3731, IHP 3736, FHP 3734, BHT 190°F.   |

## 38. GEOLOGIC MARKERS

| NAME          | MEAS. DEPTH | TOP | TRUE VERT. DEPTH |
|---------------|-------------|-----|------------------|
| Pt. Lookout   | 1102        |     |                  |
| Gallup        | 1952        |     |                  |
| Dakota        | 3285        |     |                  |
| Morrison      | 3492        |     |                  |
| Entrada       | 4572        |     |                  |
| Carmel        | 4675        |     |                  |
| Madera        | 7525        |     |                  |
| Mississippian | 8720        |     |                  |

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
UNITED STATES

Sun Oil Company  
Inclination Report  
Sandoval-Federal #1

| Depth | Feet | Angle | Displ. (Ft.) | Cumu. Displ. (Ft.) |
|-------|------|-------|--------------|--------------------|
| 380   | 380  | 0"    | 0            | 0                  |
| 720   | 340  | 3/4   | 4.45         | 4.45               |
| 1250  | 530  | 1/2   | 4.61         | 9.06               |
| 1575  | 325  | 1/4   | 1.43         | 10.49              |
| 2172  | 597  | 1     | 10.44        | 20.93              |
| 3157  | 985  | 1 1/2 | 25.81        | 46.74              |
| 3422  | 265  | 1     | 4.63         | 51.37              |
| 3864  | 442  | 0     | 0            | 51.37              |
| 4790  | 926  | 1 1/4 | 20.19        | 71.56              |
| 5300  | 510  | 1     | 7.66         | 83.66              |
| 5869  | 131  | 3/4   | 1.72         | 85.38              |
| 6014  | 145  | 3/4   | 1.90         | 87.28              |
| 6510  | 496  | 3/4   | 6.50         | 93.78              |
| 6834  | 324  | 1     | 5.67         | 99.45              |
| 7023  | 189  | 1     | 3.30         | 102.75             |
| 7193  | 170  | 1 1/4 | 3.71         | 106.46             |
| 7679  | 486  | 1     | 8.50         | 114.96             |
| 8078  | 399  | 1/2   | 3.47         | 118.43             |
| 8605  | 527  | 1/2   | 4.59         | 123.02             |
| 8750  | 145  | 1     | 2.54         | 125.56             |

AFFIDAVIT  
STATE OF TEXAS  
COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared R. W. Hughes, known to me to be employed by Sun Oil Company in the capacity of Senior Administrative Clerk, stated that the test data shown hereon is true and correct to the best of his knowledge.

Subscribed and sworn to before me on this the 2nd day of August 1971

Claudia H. Armstrong  
Notary Public in and for  
Midland County, Texas