

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

|                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                  |  |                                                                                                                                                                                                             |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1a. TYPE OF WELL:<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>                                                                                                 |  | 12. COUNTY OR PARISH<br><b>San Juan</b>                                                                                                                          |  | 13. STATE<br><b>New Mexico</b>                                                                                                                                                                              |  |
| b. TYPE OF COMPLETION:<br>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"/>              |  | 14. PERMIT NO.<br><b>Same.</b>                                                                                                                                   |  | DATE ISSUED<br><b>8-9-67</b>                                                                                                                                                                                |  |
| 2. NAME OF OPERATOR<br><b>Kerr-McGee Corporation</b>                                                                                                                                                                                                            |  | 15. DATE SPUNDED<br><b>8-20-67</b>                                                                                                                               |  | 16. DATE T.D. REACHED<br><b>9-7-67</b>                                                                                                                                                                      |  |
| 3. ADDRESS OF OPERATOR<br><b>215 Petroleum Center Bldg. -Farmington, New Mexico</b>                                                                                                                                                                             |  | 17. DATE COMPL. (Ready to prod.)<br><b>10-10-67</b>                                                                                                              |  | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br><b>9168' GR</b>                                                                                                                                                  |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface <b>790° PSL &amp; 1830° FEL (SWSE) Sec. 34, T24N, R20W</b><br>At top prod. interval reported below<br><b>Same.</b><br>At total depth<br><b>Same.</b> |  | 19. ELEV. CASINGHEAD<br><b>9168' GR</b>                                                                                                                          |  | 20. TOTAL DEPTH, MD & TVD<br><b>4018'</b>                                                                                                                                                                   |  |
| 5. LEASE DESIGNATION AND SERIAL NO.<br><b>14-20-0603-9581</b>                                                                                                                                                                                                   |  | 21. PLUG, BACK T.D., MD & TVD<br><b>3986'</b>                                                                                                                    |  | 22. IF MULTIPLE COMPL., HOW MANY*<br><b>Two</b>                                                                                                                                                             |  |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br><b>NAVAJO</b>                                                                                                                                                                                                           |  | 23. INTERVALS DRILLED BY<br><b>→</b>                                                                                                                             |  | ROTARY TOOLS<br><b>0'-4018'</b>                                                                                                                                                                             |  |
| 7. UNIT AGREEMENT NAME                                                                                                                                                                                                                                          |  | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*<br><b>3800°-3856° McGracken</b>                                                   |  | CABLE TOOLS<br><b>None</b>                                                                                                                                                                                  |  |
| 8. FARM OR LEASE NAME<br><b>NAVAJO "I"</b>                                                                                                                                                                                                                      |  | 25. WAS DIRECTIONAL SURVEY MADE<br><b>No</b>                                                                                                                     |  | 26. TYPE ELECTRIC AND OTHER LOGS RUN<br><b>Induction-Electric, Formation Density, Sonic Log-Gamma Ray</b>                                                                                                   |  |
| 9. WELL NO.<br><b>NO. 1</b>                                                                                                                                                                                                                                     |  | 27. WAS WELL CORED<br><b>No</b>                                                                                                                                  |  | 28. CASING RECORD (Report all strings set in well)                                                                                                                                                          |  |
| 10. FIELD AND POOL, OR WILDCAT<br><b>WILDCAT</b>                                                                                                                                                                                                                |  | 29. LINER RECORD                                                                                                                                                 |  | 30. TUBING RECORD                                                                                                                                                                                           |  |
| 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA<br><b>Sec. 34, T24N, R20W.</b>                                                                                                                                                                                |  | 31. PERFORATION RECORD (Interval, size and number)<br><b>3832°-3815°, 3810°-3800°<br/>(0.48") 4 per foot</b>                                                     |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.<br>DEPTH INTERVAL (MD)<br><b>3800°-3832°</b><br>AMOUNT AND KIND OF MATERIAL USED<br><b>2500 gallons mud acid.</b>                                            |  |
| 12. COUNTY OR PARISH<br><b>San Juan</b>                                                                                                                                                                                                                         |  | 13. STATE<br><b>New Mexico</b>                                                                                                                                   |  | 33. PRODUCTION<br>DATE FIRST PRODUCTION<br><b>Well Shut-In</b><br>PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)<br><b>Flow</b><br>WELL STATUS (Producing or shut-in)<br><b>Flow</b> |  |
| 14. PERMIT NO.<br><b>Same.</b>                                                                                                                                                                                                                                  |  | 15. DATE ISSUED<br><b>8-9-67</b>                                                                                                                                 |  | 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br><b>Vented.</b>                                                                                                                                |  |
| 16. DATE SPUNDED<br><b>8-20-67</b>                                                                                                                                                                                                                              |  | 17. DATE T.D. REACHED<br><b>9-7-67</b>                                                                                                                           |  | 35. LIST OF ATTACHMENTS                                                                                                                                                                                     |  |
| 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br><b>9168' GR</b>                                                                                                                                                                                                      |  | 19. ELEV. CASINGHEAD<br><b>9168' GR</b>                                                                                                                          |  | 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                           |  |
| 20. TOTAL DEPTH, MD & TVD<br><b>4018'</b>                                                                                                                                                                                                                       |  | 21. PLUG, BACK T.D., MD & TVD<br><b>3986'</b>                                                                                                                    |  | SIGNED <b>[Signature]</b> TITLE <b>Production Supt.</b> DATE <b>11-7-67</b>                                                                                                                                 |  |
| 22. IF MULTIPLE COMPL., HOW MANY*<br><b>Two</b>                                                                                                                                                                                                                 |  | 23. INTERVALS DRILLED BY<br><b>→</b>                                                                                                                             |  | TEST WITNESSED BY<br><b>Testteller, Inc.</b>                                                                                                                                                                |  |
| ROTARY TOOLS<br><b>0'-4018'</b>                                                                                                                                                                                                                                 |  | CABLE TOOLS<br><b>None</b>                                                                                                                                       |  | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*<br><b>3800°-3856° McGracken</b>                                                                                              |  |
| 25. WAS DIRECTIONAL SURVEY MADE<br><b>No</b>                                                                                                                                                                                                                    |  | 26. TYPE ELECTRIC AND OTHER LOGS RUN<br><b>Induction-Electric, Formation Density, Sonic Log-Gamma Ray</b>                                                        |  | 27. WAS WELL CORED<br><b>No</b>                                                                                                                                                                             |  |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                                                              |  | 29. LINER RECORD                                                                                                                                                 |  | 30. TUBING RECORD                                                                                                                                                                                           |  |
| 31. PERFORATION RECORD (Interval, size and number)<br><b>3832°-3815°, 3810°-3800°<br/>(0.48") 4 per foot</b>                                                                                                                                                    |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.<br>DEPTH INTERVAL (MD)<br><b>3800°-3832°</b><br>AMOUNT AND KIND OF MATERIAL USED<br><b>2500 gallons mud acid.</b> |  | 33. PRODUCTION<br>DATE FIRST PRODUCTION<br><b>Well Shut-In</b><br>PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)<br><b>Flow</b><br>WELL STATUS (Producing or shut-in)<br><b>Flow</b> |  |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br><b>Vented.</b>                                                                                                                                                                                    |  | 35. LIST OF ATTACHMENTS                                                                                                                                          |  | 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                           |  |
| 37. SIGNED <b>[Signature]</b> TITLE <b>Production Supt.</b> DATE <b>11-7-67</b>                                                                                                                                                                                 |  | 38. TEST WITNESSED BY<br><b>Testteller, Inc.</b>                                                                                                                 |  | 39. * (See Instructions and Spaces for Additional Data on Reverse Side)                                                                                                                                     |  |

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# 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.                                                                                                                                   | NAME | MEAS. DEPTH | TRUE VERT. DEPTH |
|-------------------------|---------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|------------------|
| Chuska (Tertiary)       | Surface | 1240'  | Sandstone.                                                                                                                                                    |      |             |                  |
| Chinle (Triassic)       | 1240'   | 1936'  | Red shale w/ thin stringers sandstone.                                                                                                                        |      |             |                  |
| Cocconino (Permian)     | 1936'   | 2192'  | Massive sandstone w/ shaly stringers in lower 250'.                                                                                                           |      |             |                  |
| Cutler (Permian)        | 2191'   | 2882'  | Shale, sandstone and limestone.                                                                                                                               |      |             |                  |
| Hermosa (Perm)          | 2882'   | 3542'  | Limestone, dense, w/ red & gray shale & thin stringers sand.                                                                                                  |      |             |                  |
| Mississippian           | 3542'   | 3658'  | Limestone, dense, w/ some varicolored shale at top.                                                                                                           |      |             |                  |
| Devonian                | 3658'   | 3800'  | Dolomite & green waxy shale.                                                                                                                                  |      |             |                  |
| McCracken (Devonian)    | 3800'   | 3856'  | Sandstone & quartzite w/ few streaks red shale.                                                                                                               |      |             |                  |
| Quartzite               | 3856'   | 3942'  | Quartzite and Siliceous Shale.                                                                                                                                |      |             |                  |
| Weathered Pre-Cambrian) | 3942'   | I.D.   | Metamorphills.                                                                                                                                                |      |             |                  |
| Pre-Cambrian            | 3942'   | 1560'  | IF 10 mins. ISI 60 mins. FF 60 mins. PSI 60 mins. Opened very weak blow. Deed in 10 mins. No recovery. IHP 603 psi. IF 15 psi ISI 1 psi. FF 9 psi. PSI 6 psi. |      |             |                  |
| DST No. 1 (Cocconino)   | 1339'   | 3710'  | IF 10 mins. ISI 60 mins. FF 90 mins. PSI 60 mins. Rec: 475 - slightly gas out mud.                                                                            |      |             |                  |
| DST No. 2               | 3636'   | 3846'  | IF 138 psi. ISI 1020. FF 271. PSI 718 psi.                                                                                                                    |      |             |                  |
| DST No. 3 McCracken     | 3776'   |        | 10 mins. IF. 60 mins ISI. 165 mins IF. 60 mins PSI. IF 153 psi. ISI 743. FF 250. PSI 744. Gas to surface. Recovered 1 pint drilling mud.                      |      |             |                  |