

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF 078214

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

McCORD

9. WELL NO.

9

10. FIELD AND POOL, OR WILDCAT

BASIN, DAKOTA

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREASEC. 21, T-38-N,
R-13-E, N.M.P.D.

12. COUNTY OR PARISH 13. STATE

SAN JUAN

NEW MEXICO

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL ☐ GAS ☒ OTHER
WELL WELL

2. NAME OF OPERATOR

SOUTHERN UNION PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

Post Office Box 808, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface890 FEET FROM THE NORTH LINE AND 1725 FEET FROM THE
EAST LINE - NW/4 OF THE NE/4 OF SECTION 21, TOWNSHIP
30 NORTH, RANGE 13 WEST, R.M.P.M. SAN JUAN COUNTY, N.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5455 FT. - UNGRADED GROUND LEVEL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(Other) SUPPLEMENTARY WELL HISTORY ☒(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent
to this work.)*

1. DRILLED TO TOTAL DEPTH OF 6218 FT. WITH MUD.

2. RAN 200 JTS. 4 1/2", 10.50#, J-55 CASING. LANDED AT 6218 FT. R.M.B. SET STAGE COLLAR AT
4245 FT. FLOAT COLLAR AT 6189 FT.3. CEMENTED 1ST STAGE WITH 400 CU. FT. 1-1 DIAMIX WITH 4% GEL, 5% SALT, 12 1/2% GILSONITE,
1/2% D-15 AND 75 SX LATEX WITH 2% C.C. PLUG DOWN 8:10 A.M. OCTOBER 27, 1963. OPENED
STAGE COLLAR AND CEMENTED 2ND STAGE WITH 1000 CU. FT. DIACEL D 40% WITH 12 1/2% GILSONITE
AND 4% C.C. PLUG DOWN 9:10 A.M. OCTOBER 27, 1963.4. MOVED IN COMPLETION UNIT AND CLEANED OUT TO P.S.T.B. OF 6151 FR. R.M.B. TESTED CASING
TO 3500 PSI. HELD OK. CIRCULATED HOLE WITH 1% C.C. WATER AND SPOTTED 250 GALLONS 10%
ACID. RAN CORRELATION LOG AND BOND LOG. HAD GOOD CEMENT BOND.5. PERF 1 HOLE/FT. 6120-6134 AND 6047-6074. SAND WATER FRAC USING 500 GALS. 15% ACID SPEAR-
HEAD, 25,000# 20-40 MESH SAND AND 25,000 GALS. WATER WITH 3# J-100 PER 1000 GALS. SANDED
OFF. AVG. FRAC RATE 45 B.P.M. AVG. FRAC PRESSURE 3200 PSI.6. CLEANED OUT 330 FT. SAND AND FRAC WITH ADDITIONAL 20,000# 20-40 SAND AND 35,500 GALS.
WATER WITH 2 1/2# J-100/1000 GALS. AND 20 TONS CO2.

(OVER)

18. I hereby certify that the foregoing is true and correct

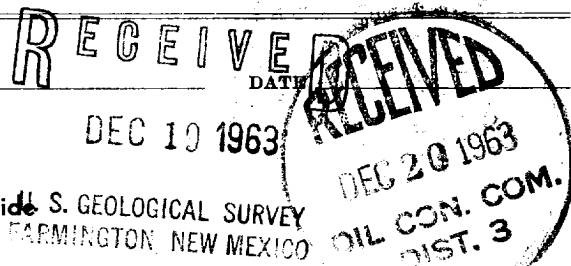
SIGNED D. G. MACY TITLE PETROLEUM ENGINEER

DATE DECEMBER 16, 1963

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

*See Instructions on Reverse Side
U.S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-685229

DETAILS OF WORK CONT'D

AVG. FRAC RATE 30 B.P.M. MAX. FRAC RATE 34 B.P.M. AVG. FRAC PRESS. 3800 PSI. MAX. FRAC PRESS. 4000 PSI. ISIP 2650 PSI. 5 MINUTE SHUT IN 1950 PSI.

7. SET BRIDGE PLUG AT 6040. PERF 1 HOLE/FT. 6025-6030, 6016-6019, 5962-5976.
8. BREAK DOWN FORMATION AT 2800 PSI. SPEARHEAD WITH 500 GALS. 15% ACID. SAND WATER CO2 FRAC WITH 30,000# 20-40 MESH SAND AND 10,000# 10-20 MESH SAND AND 42,000 GALS WATER WITH 2 3/4# J-100/1000 GALS. AND 20 TONS CO2. MAX. FRAC RATE 44 B.P.M. AVG. FRAC RATE 39 B.P.M. MAX. FRAC PRESSURE 3950 PSI. AVG. FRAC PRESSURE 3800 PSI. ISIP 1500 PSI. 5 MINUTE SHUT IN 1200 PSI.
9. DRILL BRIDGE PLUG AT 6040 AND CLEAN OUT TO P.B.T.D. OF 6151 FT.
10. RAN 187 JTS. 1 1/2", 2.90#, JCN TUBING AND 8 FT. PERF JT. LANDED AT 6090 FT. R.K.B. WELL COMPLETED DECEMBER 6, 1963.