

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-B1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF 078431

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

NICKSON

9. WELL NO.
(10) OIL CO DIS

10. FIELD AND POOL, OR WILDCAT

BASIN DAKOTA

11. SEC., T., E., M., OR BLK. AND
SURVEY OR AREAS/2, SEC. 14, T-26N,
R-8W, N.M.P.M.

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 WELL ☐ GAS WELL ☒ OTHER

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 surface 790 FEET FROM THE SOUTH LINE AND 1735 FEET FROM THE EAST
LINE OF SECTION 14, SW/4, SE/4, SECTION 14, TOWNSHIP 26 NORTH,
RANGE 8 WEST, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

14. PERMIT NO.

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

6325 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) SUPPLEMENTARY WELL HISTORY ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(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 perti-
nent to this work.)*

1. DRILLED TO T.D. OF 6765 FT. R.K.B. WITH MUD.

2. RAN 218 JTS. 4 1/2", 11.60#, N-80 CASING. LANDED AT 6765 R.K.B. SET STAGE COLLAR AT 2393
R.K.B. CEMENTED 1ST STAGE W/50 SZ G.P. 100 PRE-WASH AND 400 CU. FT. 1-1 DIAMIX W/25 G.C.
AND 1/8# CELLO FLAKE/SK. PLUG DOWN 11:00 P.M. 10-11-63. OPENED T.C. COLLAR AND CEMENTED
2ND STAGE W/900 CU. FT. GLASS "C" W/40% DIACEL "D", 12# GILSONITE, 45 G.C. PLUS DOWN
11:45 P.M. 10-11-63.

3. CLEANED OUT TO PB.T.D. OF 6739 FT. PRESSURE TESTED CASING TO 5000 PSI.

4. RAN CEMENT BOND LOG AND CORRELATION LOG. HAD POOR CEMENT BOND. PERF/W SQUEEZE HOLES AT
6726 FT. SET BAKER FULL BORE PACKER AT 6600 FT. B.D.P. 2700 PSI. SQUEEZE W/75 SX REGULAR
CEMENT TO 5800 PSI.

5. DRILLED OUT 120 FT. CEMENT AND CLEANED OUT TO PBTD OF 6739 FT.

6. CIRCULATE HOLE W/1% C.C. WATER AND SPOT 250 GAL. B.D.A. ACID. RUN CEMENT BOND LOG. HAD
GOOD CEMENT BOND.7. PERF. 20 HOLES AT FOLLOWING DEPTHS: 6714, 6712, 6710, 6708, 6698, 6696, 6694, 6692, 6690,
6686, 6682, 6678, 6674, 6670, 6666, 6662, 6653, 6649, 6647 AND 6645.

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

SIGNED

D. G. MACY

TITLE

PETROLEUM ENGINEER

DATE Nov. 26, 1963

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

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.

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8. BREAK DOWN FORMATION AT 2700 PSI. PUMP IN THRU 20 HOLES AT 40 B.P.M. AT 4900 PSI.
9. PERM. ADDITIONAL 13 HOLES AT FOLLOWING DEPTHS: 6642, 6632, 6628, 6610, 6600, 6698, 6695, 6685, 6682, 6680, 6521, 6518 AND 6516.
10. SAND-WATER-CO₂ FRAC PERM. W/80,000# 20-40 MESH SAND AND 20,000# 10-20 MESH SAND AND 100,000 GAL. WATER CONTAINING 2 1/2# J-100/1000 GAL. AND 40 TONS CO₂.
11. B.D.P. 2700 PSI. MAX FRAC PRESSURE 5100 PSI. AVERAGE FRAC PRESS. 4100 PSI. AVERAGE FRAC RATE 47 B.P.M. I.S.I.P. 1600 PSI. 5 MINUTE SHUT IN 1400 PSI.
12. RAN 203 JTS. 1 1/2", 2,900#, EUE, JCN TUBING. LANDED AT 6618 FT. R.K.B. WELL COMPLETED 10-27-63.