

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

S.F. 078384

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR SOUTHERN UNION PRODUCTION COMPANY	8. FARM OR LEASE NAME NEWSOME
3. ADDRESS OF OPERATOR P. O. Box, 808, FARMINGTON, NEW MEXICO	9. WELL NO. 9-8
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1595 FT. FROM NORTH LINE AND 1815 FT. FROM THE EAST LINE	10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA & BLANCO NEBAVERDE
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 7, T-26-N, R-8-W, N.M.P.M.
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6235 FT. D.F.	12. COUNTY OR PARISH SAN JUAN
	13. STATE NEW MEXICO

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 ☐

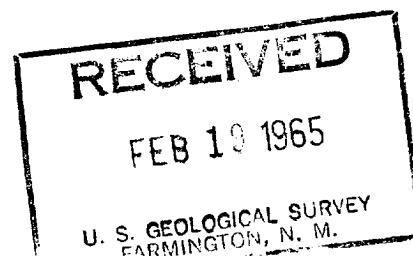
ALTERING CASING ☐

ABANDONMENT* ☐

(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. SPUDDED 12-1/4" SURFACE HOLE NOVEMBER, 28, 1964. DRILLED TO TOTAL DEPTH OF 320 FT.
2. RAN 10 JTB. OF 8-5/8", 24.0#, J-55 SURFACE CASING. LANDED AT 315 FT. R.K.B. CEMENTED W/225 SACKS REGULAR CEMENT W/2% CALCIUM CHLORIDE. PLUG DOWN 8:00 A.M. NOV. 29, 1964. CEMENT CIRCULATED TO SURFACE.
3. NIPPLED UP AND PRESSURE TEST SURFACE CSG. & B.O.P. TO 800 PSI. FOR 15 MINUTES. TEST OK.
4. DRILLED OUT FROM UNDER SURFACE CASING W/7-7/8" HOLE ON NOV. 30, 1964/



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

SIGNED

Gilbert D. Noland, Jr.
GILBERT D. NOLAND, JR.

TITLE

DRILLING SUPERINTENDENT

DATE

FEBRUARY 16, 1965

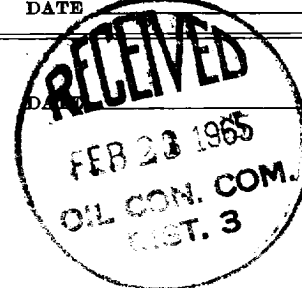
(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



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.

4 8 1 14 10.1

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

Re-Test

DATE March 11, 1965

Operator Southern Union Production Company		Lease Newsom No. 9-B (MV)	
Location 1925'N. 1815'E, Section 7, T-26-N, R-8-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5.500	Set At: Feet 6660	Tubing: Diameter 1.660	Set At: Feet 4311
Pay Zone: From 4276	To 4364	Total Depth: 6680	Shut In 3-1-65
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365		Company Distribution Only	
Shut-In Pressure, Casing, 957 PSIG	+ 12 = PSIA 969	Days Shut-In 10	Shut-In Pressure, Tubing 954 PSIG	+ 12 = PSIA 966	
Flowing Pressure: P 70 PSIG	+ 12 = PSIA 82		Working Pressure: P _w 654 PSIG	+ 12 = PSIA 666	
Temperature: T = 47 °F	F _r = 1.0127	n = .75	F _p (From Tables) 1.012	Gravity .730	F _g = .9066

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_r \times F_g \times F_{pv}$$

$$Q = (12.365) (82) (1.0127) (.9066) (1.012) = 942 \text{ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{938961}{495405} \right)^n = (942) (1.8953)^{.75} =$$

$$Aof = 1,522 \text{ MCF/D}$$

TESTED BY Verne Rockhold (SUPC)

WITNESSED BY Don Norton (EPNG)

CALCULATED BY H. E. McAnally (EPNG)



NOTE: Very light spray of oil after 10 min. Started making a little water after 2 hrs. and 40 min. and increased to a medium spray of water at the end of the test.

NOTE: This test was conducted through the tubing by Southern Union Production Company. IMOSC Order R-333-C&D states "Any well completed with tubing smaller than two inch nominal shall be tested through the casing."

Previous test conducted through the casing on 2-3-65.

Lewis D. Galloway
Lewis D. Galloway