

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.

SF 078433

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 NEWSON
3. ADDRESS OF OPERATOR P. O. Box 808, FARMINGTON, NEW MEXICO	9. WELL NO. 16
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1660 FT. FROM SOUTH LINE AND 1610 FT. FROM WEST LINE.	10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 17, T-26-N, R-8-W, N.M.P.M.
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6282 G L	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 ☐	PULL OR ALTER CASING ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐
REPAIR WELL ☐	CHANGE PLANS ☐
(Other) ☐	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☒	REPAIRING WELL ☐
FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
(Other) <u>SPUDDING</u>	☒

(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 12, 1966. DRILLED TO 330 FT. R.K.B.
2. RAN 11 JTS. OF 8-5/8", 24#, J-55 CASING. LANDED @ 330 FT. R.K.B. CEMENTED W/250 SX. REGULAR W/2% CALCIUMCHLORIDE. PLUG DOWN 2:45 A.M., NOVEMBER 13, 1966. CEMENT CIRCULATED TO SURFACE.
3. NIPPLED UP AND PRESSURE TESTED SURFACE CASING AND B.O.P. TO 800 PSI FOR 30 MIN. TEST OK.
4. DRILLED OUT FROM UNDER SURFACE CASING W/7-7/8" HOLE ON NOVEMBER 13, 1966.

RECEIVED

NOV 22 1966

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

RECEIVED

NOV 23 1966

OIL CON. COM.
DIST. 3

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

Original signed by

SIGNED GILBERT D. NOLAND, JR.
GILBERT D. NOLAND, JR.

TITLE DRILLING SUPERINTENDENT

DATE NOVEMBER 21, 1966

(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.

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12/22/66	
Company SOUTHERN UNION PRODUCTION CO.				Connection EL PASO NATURAL GAS COMPANY		
Pool BASIN				Formation DAKOTA		Unit
Completion Date 12/12/66		Total Depth 6667		Plug Back TD 6631		Elevation 6282
Csg. Size 4.500		Wt. 10.50		Perforations: From 6404 To 6628		Well No. 16
Tbg. Size 1.900		Wt. 2.900		Perforations: From 6489 To 6497		Unit Sec. Twp. Rge. K 17 26N 8W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE - GAS					Packer Set At	
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F		County SAN JUAN
Baro. Press. - P _a 12		State NEW MEXICO				
L 6479	H	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps				

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	2"		3/4"				2000		2000		7 DAYS
2.							250	1160	927		3 HOURS
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	12.3650		262	.9501	.9258	1.021	2,909
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mei/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	
3.					Specific Gravity Flowing Fluid	
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

$P_c = 2012$ $P_c^2 = 4,048,144$					RECEIVED DEC 23 1966 OIL CON. COM. DIST.	
NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2785$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2023$
1.		939	881,721			
2.						
3.						
4.						
5.						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,497$			
Absolute Open Flow 3,497 Mcfd @ 15.025		Angle of Slope θ	
		Slope, n .75	

Remarks:			
Approved By Commission:	Conducted By: Kenneth E. Roddy	Original signed by Kenneth E. Roddy	Checked By: Kenneth E. Roddy