

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. 978384	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Southern Union Production Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 808 - Farmington, New Mexico		8. FARM OR LEASE NAME Newton *B*	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1850 feet from the North line and 1850 feet from the East At proposed prod. zone Same as above.		9. WELL NO. 10	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 25 miles South of Bloomfield, New Mexico.		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 1850 ft.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8, T-28N, R-8W	
16. NO. OF ACRES IN LEASE 2560		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320 acres		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2640 ft.		19. PROPOSED DEPTH 6700 ft.	
20. ROTARY OR CABLE TOOLS Rotary Tools		21. APPROX. DATE WORK WILL START* October 10, 1965	
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 6287 feet Ground-Ungraded			

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0#	300 ft.	250 sacks
7-7/8"	5-1/2"	17.0#	6700 ft.	1600 cu. ft. (3 stage)

We propose to drill a well to be completed in the Dakota and possibly the Mesaverde formations. Anticipated total depth is 6700 feet.

1. Casing Program:

Surface: 8-5/8", 24.0#, J-55 set at 300 ft. Cemented w/250 sacks.
Production: 5-1/2", 17.0#, J-55 set at total depth 6700 ft. R.K.B. 1st stage cemented w/350 cu. ft. Stage Collar set under Mesaverde at 4650 and cemented w/350 cu. ft. of cement. Stage Collar set at 2150 feet under Pictured Cliffs and cemented w/850 cu. ft. of cement.
Tubing: 1-1/2", E.U.E., 2.90#, J.C.W. Run to Dakota. Landed at 6550 ft.
1-1/4", Integral joint, 2.30#, J.C.W. run to Mesaverde. Landed @ 4400 ft.

2. Baker 5-1/2" Model "D" Production Packer will be set at approx. 6300 ft. R.K.B.

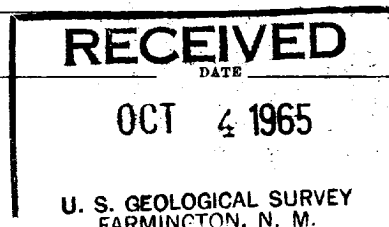
3. Mesaverde & Dakota formations will be Sand Fraced to stimulate production.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. *B. R. Vanderalice*
SIGNED B. R. Vanderalice TITLE Area Superintendent DATE September 30, 1965

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY *GM* 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, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals and reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-4-65

All distances must be from the outer boundaries of the Section.

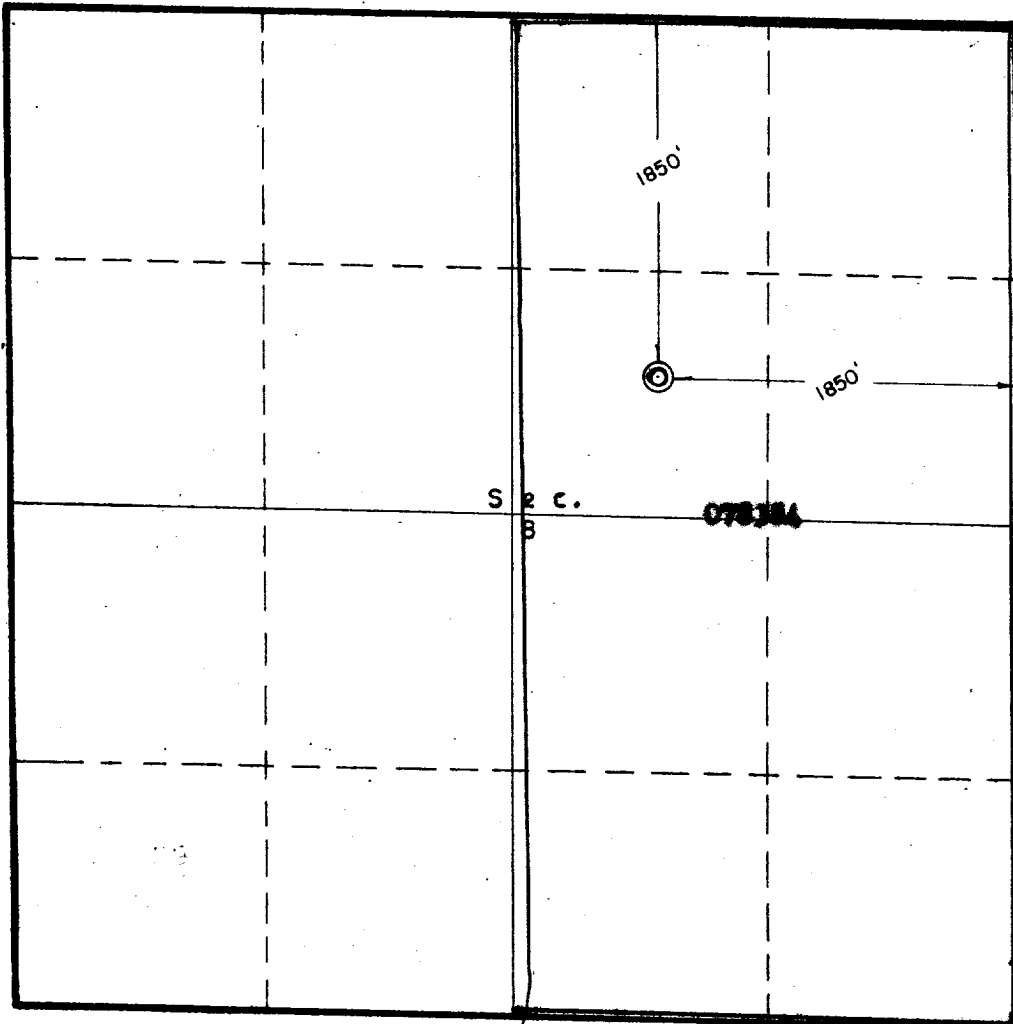
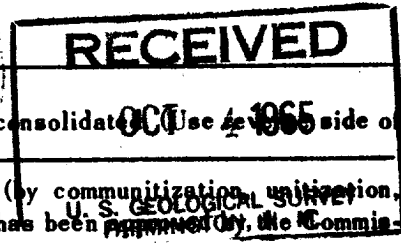
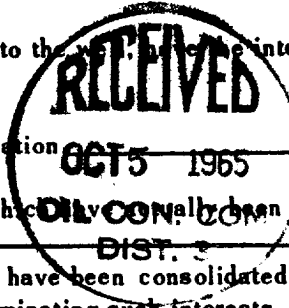
Operator Southern Union Production Company			Lease NEUSON #1		Well No. 10
Unit Letter G	Section 8	Township 26 North	Range 8 West	County San Juan	
Actual Footage Location of Well: 1850 feet from the North line and 1850 feet from the East line					
Ground Level Elev. 6287	Producing Formation DAKOTA & POSSIBLY IV		Pool BASIN DAKOTA	Dedicated Acreage: 330 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation

If answer is "no," list the owners and tract descriptions which have not been consolidated (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Scale, 1" = 1000'

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

B. B. Vandenberg
Name **B. B. Vandenberg**
AREA SUPERINTENDENT

Position
SOUTHERN UNION PROD. CO.

Company
SEPTEMBER 30, 1965

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
September 26, 1965

Registered Professional Engineer and/or Land Surveyor

E. J. Edwards
Certificate No.

3602