

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. WILDCAT - GAS STORAGE 18240	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER ☐ WILDCAT - GAS STORAGE ☒ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. INDIAN, ALLOTTEE OR TRIBE NAME CONSERVATION COMM.	
2. NAME OF OPERATOR SOUTHERN UNION GAS COMPANY		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 808, Farmington, New Mexico 87401		8. FARM OR LEASE NAME San Ysidro	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2015 FT. FROM THE SOUTH LINE AND 7765 FT. FROM THE WEST LINE. At proposed prod. zone SAME AS ABOVE.		9. WELL NO. 6	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 MILES WEST OF SAN YSIDRO, NEW MEXICO		10. FIELD AND POOL, OR WILDCAT WILDCAT	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) LEASE LINE - 625 FT. UNIT LINE - 465 FT.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T-19N, R-1E N.M.P.D.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None		12. COUNTY OR PARISH SANDOVAL	
16. NO. OF ACRES IN LEASE 800		13. STATE NEW MEXICO	
19. PROPOSED DEPTH 2550 FT.		17. NO. OF ACRES ASSIGNED TO THIS WELL 40 Acres 1E/4, SE/4	
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* FEBRUARY 4, 1972	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5855 FT. UNGRADED GRADED LEVEL.			

23. 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	24.00	400 FT.	300 BAGS
7-7/8	5-1/2	15.50	2550 FT.	1150 CU. FT.

1. WE PROPOSE TO DRILL A 7-7/8" HOLE TO TOTAL DEPTH OF APPROX. 2550 FT. N.E.D.
2. IT IS OUR INTENTION TO CUT A 50 FT. CORE IN AQUA LARGA FORMATION FROM APPROX. 2300 TO 2350 FT. AND DRILL STEIN TEST.
3. SHOULD CORE, TEST AND LOG DATA BE FAVORABLE A STRING OF 5-1/2", 15.00, K-95 CASING WILL BE RUN AND CEMENTED. 1ST STAGE CEMENTED W/650 CU. FT. CEMENT. STAGE COLLAR SET APPROX. 1100 FT. AND CEMENTED W/300 CU. FT. CEMENT.
4. FURTHER TESTS WILL BE CONDUCTED TO EVALUATE FORMATION FOR THE STOPPING OF NATURAL GAS.

STRATIGRAPHIC TEST FOR GEOLOGIC INFORMATION ONLY.

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. Original signed by
GILBERT D. NOLAND, JR.
SIGNED GILBERT D. NOLAND, JR. TITLE DRILLING SUPERINTENDENT DATE JANUARY 31, 1972
(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY CPH
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

THIS WELL IS BEING DRILLED AS A STRATIGRAPHIC TEST-HOLE FOR GEOLOGIC INFORMATION ON AND UNDER NO CIRCUMSTANCES WILL IT BE PRODUCED.

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
WASHINGTON, D. C.

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 or 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 ACERAGE DEDICATION PLAT

RECEIVED!

FEB-3 1972

OIL CONSERVATION COMM.
SANTA FE

All distances must be from the outer boundaries of the Section

Operator SOUTHERN UNION PRODUCTION COMPANY		Lease		Well No.	
Unit Letter K	Section 20	Range 15 NORTH	County 1 EAST	SANDOVAL	
Actual Footage Location of Well: 2015 feet from the SOUTH line and 1785 feet from the WEST line					
Ground Level Elev. 5855.0	Producing Formation	Pool	Dedicated Acreage: NE 1/4 SW 1/4 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communization, 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 actually consolidated (Use reverse side of this form if necessary.)

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

CERTIFICATION

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

Original signed by

GILBERT D. NOLAND, JR.

Name

GILBERT D. NOLAND, JR.

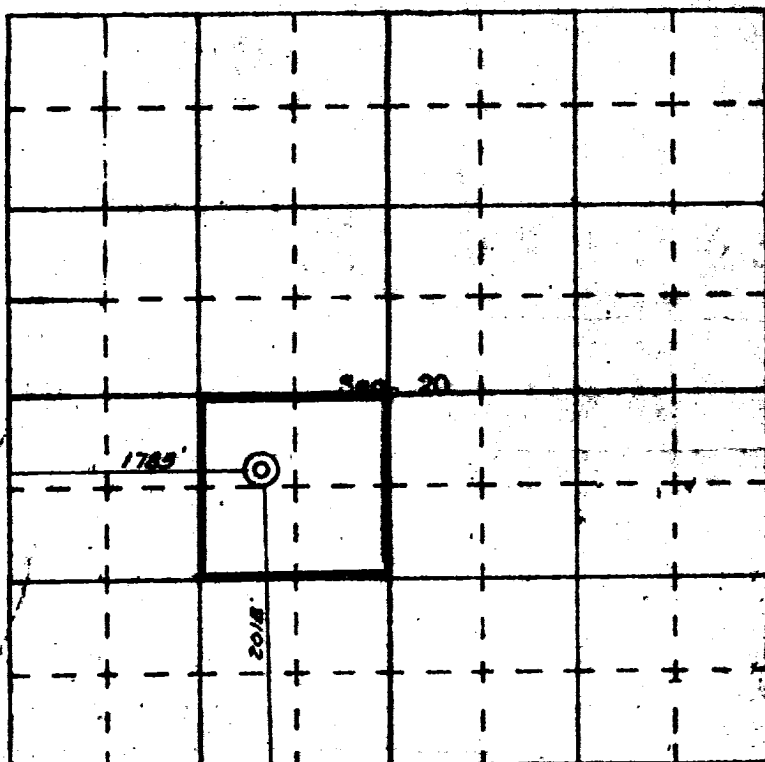
SOUTHERN UNION PRODUCTION

SOUTHERN UNION PRODUCTION

JANUARY 31, 1972

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.

29 JAN 31 1972
Date Surveyed
Professional Engineer
and/or Land Surveyor
JAMES P. LEESE
1463
NEW MEXICO
Certificate No.



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.