

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 ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ OTHER ☒ **GAS STORAGE** SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
SOUTHERN UNION GAS COMPANY

3. ADDRESS OF OPERATOR
P. O. Box 808, FARMINGTON, NEW MEXICO 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface **1084**
1675 FT. FROM THE SOUTH LINE & 1639 FT. FROM THE WEST LINE.
At proposed prod. zone **SAME AS ABOVE.**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
5 MILES WEST OF SAN YSIDRO, NEW MEXICO

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
LEASE LINE 355 FEET

16. NO. OF ACRES IN LEASE
800

17. NO. OF ACRES ASSIGNED TO THIS WELL
NOT APPLICABLE

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
APPROX. 350 FT.

19. PROPOSED DEPTH
2375

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
9803 FT. UNGRADED GROUND

22. APPROX. DATE WORK WILL START*
DECEMBER 1, 1973

5. LEASE DESIGNATION AND SERIAL NO.
30-43-20136
14-08-0001-12395

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Los Hilares Gas Storage

8. FARM OR LEASE NAME
San Ysidro

9. WELL NO.
7

10. FIELD AND POOL, OR WILDCAT
GAS STORAGE

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 20, T-45N, R-1E N.M.P.M.

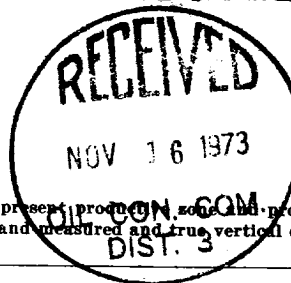
12. COUNTY OR PARISH
Sandoval

13. STATE
New Mexico

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	450 FT.	350 BBL.
7-7/8"	5-1/2"	15.50	2375	700 CUBIC FEET

1. WE PROPOSE TO DRILL A 7-7/8" HOLE TO A TOTAL DEPTH OF APPROX. 2375 FEET.
2. RUN 5-1/2", 15.50#, K-55 CASING TO TOTAL DEPTH WITH A STAGE COLLAR SET AT APPROX. 1100 FT.
3. CEMENT 1ST STAGE WITH APPROX. 400 CUBIC FEET AND 2ND STAGE WITH APPROX. 300 CUBIC FT.
4. THE AQUA ZARCA WILL BE PERFORATED AND EVALUATED FOR POSSIBLE GAS STORAGE.



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
B. R. VANDERSLICE
SIGNED **B. R. VANDERSLICE** TITLE **AREA SUPERINTENDENT** DATE **NOVEMBER 12, 1973**
(This space for Federal or State office use)

PERMIT NO. **30** APPROVAL DATE
APPROVED BY **30** TITLE
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
NOV 13 1973

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
BUREAU OF OIL & GAS

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 plat, 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**

All distances must be from the outer boundaries of the Section

Operator SOUTHERN UNION PRODUCTION CO.		Lease SAN YSIDRO		Well No. 7	
Unit Letter K	Section 20	Township 15 NORTH	Range 1 EAST	County SANDOVAL	
Actual Footage Location of Well: 1675 feet from the SOUTH line and 1639 feet from the WEST line					
Ground Level Elev. 5803.0	Producing Formation AQUA ZARCA	Pool LAS MILPAS GAS STORAGE		Dedicated Acreage: NOT APPLICABLE 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 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 communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

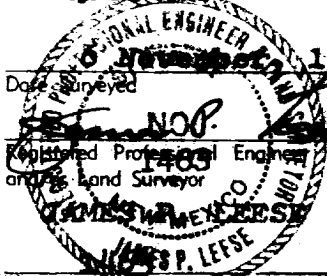
CERTIFICATION

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

**ORIGINAL SIGNED BY
B. R. VANDERSLICE**

Name
B. R. VANDERSLICE
Position
AREA SUPERINTENDENT
Company
SOUTHERN UNION PRODUCTION CO.
Date
NOVEMBER 12, 1973

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
 Registered Professional Engineer
 and Land Surveyor
JAMES P. LEESE
 Certificate No.

