

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-08-0001-12395
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Gas Storage SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Southern Union Gas Company		7. UNIT AGREEMENT NAME Las Milpas Gas Storage
3. ADDRESS OF OPERATOR 1402 Fidelity Union Tower, Dallas, Texas 75201		8. FARM OR LEASE NAME San Ysidro
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 800 ft. from North line & 300 ft. from East line. Sec. 18 - T15N - R1E, N.M.P.M. At proposed prod. zone Same as above		9. WELL NO. San Ysidro #1-17
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Six miles West of San Ysidro, New Mexico		10. FIELD AND POOL, OR WILDCAT Las Milpas
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 800 feet		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 18-T15N-R1E N.M.P.M.
16. NO. OF ACRES IN LEASE 1680		12. COUNTY OR PARISH Sandoval
17. NO. OF ACRES ASSIGNED TO THIS WELL not applicable		13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. appx. 3180 feet		19. PROPOSED DEPTH 2565
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* 7/12/75
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5691 ungraded elevation		
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"	24.0#	515 feet	425 sks.
7 7/8"	5 1/2"	15.5#	2565 feet	750 sks.

1. We propose to drill a 7 7/8" hole to a total depth of approx. 2565 ft.
2. Run 5 1/2", 15.5# K-55 casing to total depth with a stage collar set at approx. 1300 ft.
3. Cement first stage with approx. 400 cu. ft. and 2nd stage with approx. 350 cu. ft.
4. The Aqua Zarca sand member of the Chinle Formation 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. SIGNED J. G. Ellis TITLE Chf. Pet. Engr DATE 7/10/75  
(This space for Federal or State office use) Chief Petroleum Engineer 7/10/75

PERMIT NO. 54 APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

## 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

All distances must be from the outer boundaries of the Section

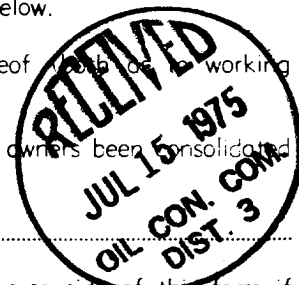
Operator <b>SOUTHERN UNION GAS COMPANY</b>			Lease		Well No.
Unit Letter <b>A</b>	Section <b>18</b>	Township <b>15 NORTH</b>	Range <b>1 EAST</b>	County <b>SANDOVAL</b>	
Actual Footage Location of Well: <b>800</b> feet from the <b>NORTH</b> line and <b>300</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>5691</b>	Producing Formation		Pool	Dedicated Acreage:	
					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 (including 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.



JUL 11 1975

U. S. GEOLOGICAL SURVEY  
NEW MEXICO DIST. OFFICE

### CERTIFICATION

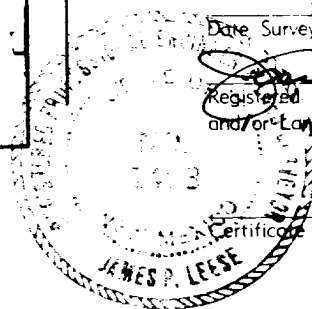
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name \_\_\_\_\_  
Position \_\_\_\_\_  
Company \_\_\_\_\_  
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.

8 July 1975

Date Surveyed \_\_\_\_\_  
\_\_\_\_\_  
Registered Professional Engineer  
and/or Land Surveyor **James P. Lease**



Certificate No. **1463**

