



# United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 1509  
Durango, Colorado 81301

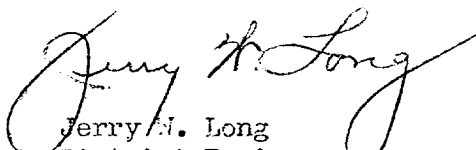
January 15, 1974

Southern Union Gas Company  
P. O. Box 808  
Farmington, New Mexico 87401

Gentlemen:

Approval to drill your No. 7 San Ysidro well, located in the  
<sup>K</sup>NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 20, T. 15 N., R. 1 E., Sandoval County, New Mexico,  
on Las Milpas Gas Storage Contract No. ~~14-08-9991-12395~~, is  
hereby revoked and your new application to drill the same well  
in the <sup>N</sup>SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 20, T. 15 N., R. 1 E., is hereby approved.

Sincerely yours,

  
Jerry N. Long  
District Engineer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

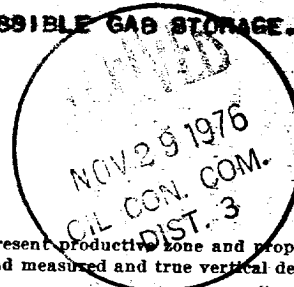
## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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 <input type="checkbox"/> SINGLE ZONE <input 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 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 1089 FT. FROM THE SOUTH LINE & 1703 FT. FROM THE WEST LINE. At proposed prod. zone SAME AS ABOVE.		9. WELL NO. 7
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 GAS STORAGE
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 20, T-15N, R-1E N.M.P.M.
16. NO. OF ACRES IN LEASE 800		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. APPROX. 600 FT.		20. ROTARY OR CABLE TOOLS ROTARY
19. PROPOSED DEPTH 2375		22. APPROX. DATE WORK WILL START* JANUARY 11, 1974
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5820 FT. UNGRADED GROUND		

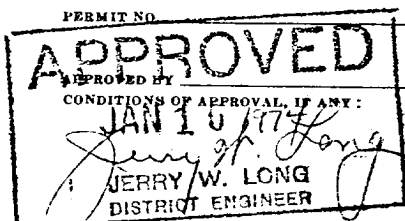
## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0#	450 FT.	350 SACKS
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 FEET.
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  
SIGNED Dan R. Collier TITLE OFFICE MANAGER DATE JANUARY 7, 1974  
(This space for Federal or State office use)

APPROVAL DATE

TITLE

DATE

JAN 9 1974

\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

**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 PRODUCTION</b>			Lease <b>SAN YSIDRO</b>		Well No. <b>7</b>
Unit Letter <b>N</b>	Section <b>20</b>	Township <b>15 NORTH</b>	Range <b>1 East</b>	County <b>SANDOVAL COUNTY</b>	
Actual Footage Location of Well: <b>1089'</b> feet from the <b>South</b> line and <b>1703'</b> feet from the <b>West</b> line					
Ground Level Elev. <b>5820.0'</b>	Producing Formation <b>AQUA ZARCA</b>	Pool <b>LAS MILPAS GAS STORAGE</b>	Dedicated Acreage: <b>NOT APPLICABLE</b> Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 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  
**Dan R. Collier**

Name  
**DAN R. COLLIER**

Position  
**OFFICE MANAGER**

Company  
**SOUTHERN UNION PRODUCTION**

Date  
**JANUARY 7, 1974**

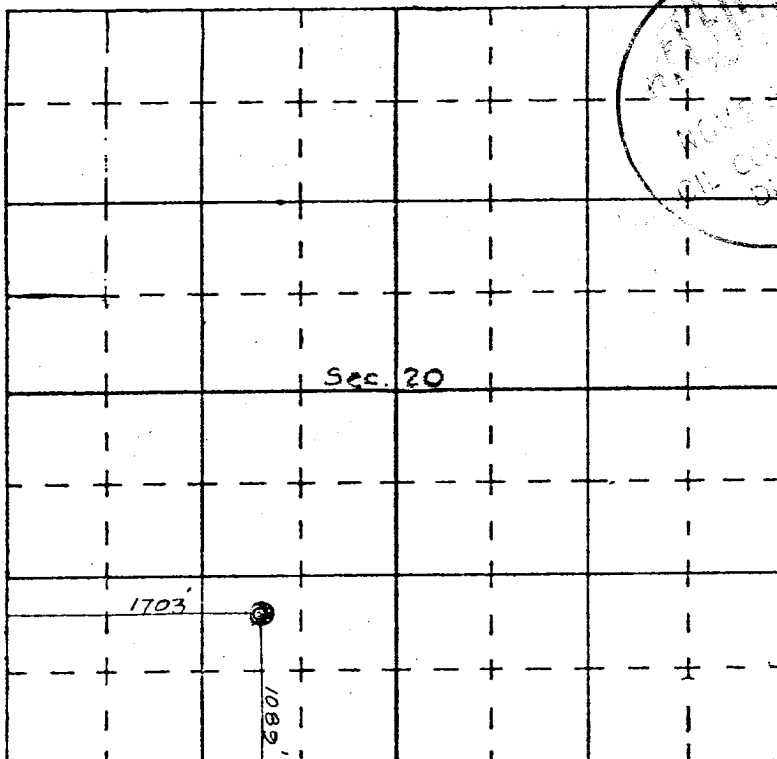
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**Jan. 4, 1974**

*James P. Leese*  
**James P. Leese**  
Registered Professional Engineer  
and/or Land Surveyor

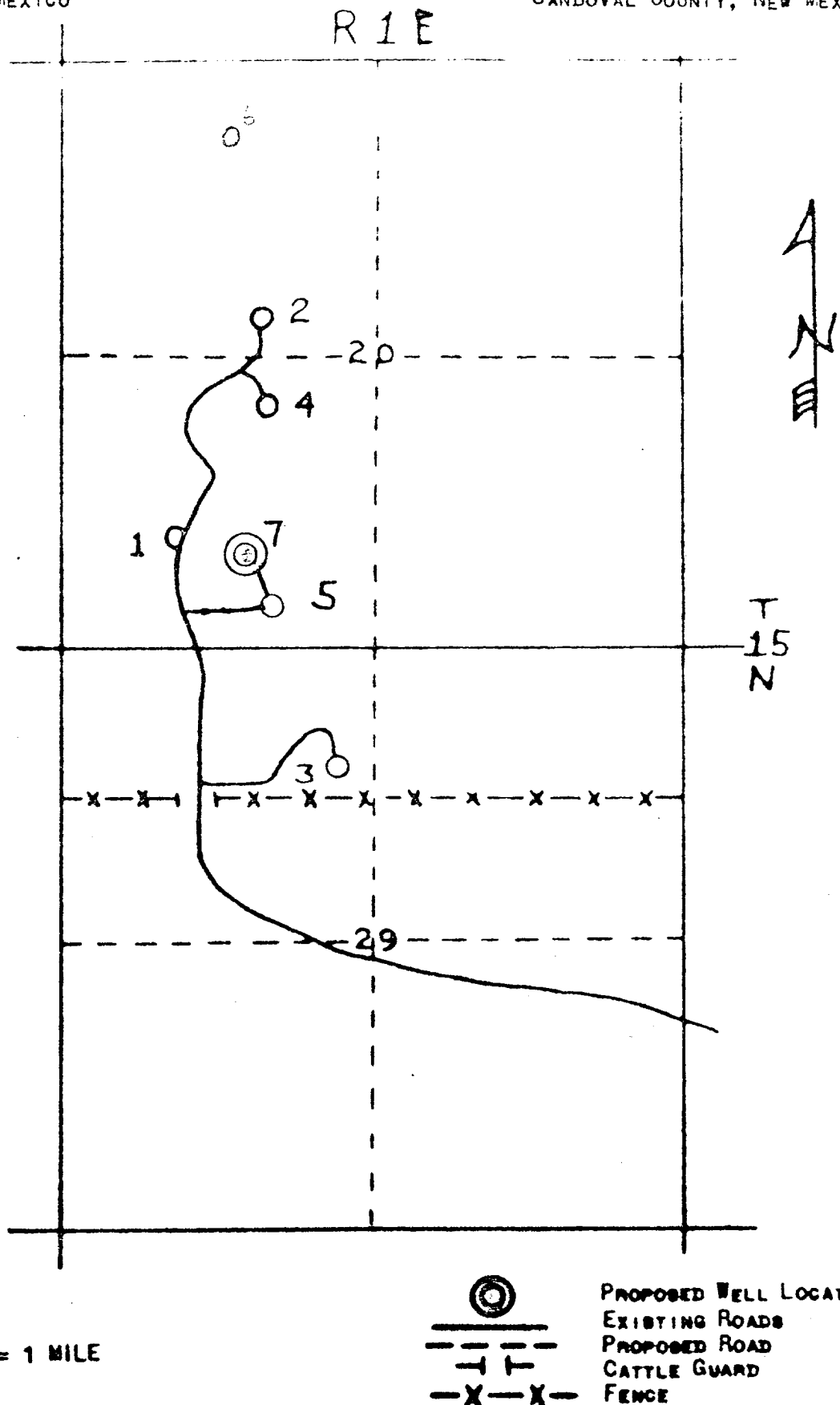
1463

Certificate No. ....








SOUTHERN UNION GAS COMPANY  
 EXISTING AND PROPOSED ROADS  
 LAS MILPAS STORAGE PROJECT  
 SAN YSIDRO, NEW MEXICO

SAN YSIDRO NO. 7 WELL  
 LOCATED: 1089' SOUTH LINE & 1703' WEST  
 SEC. 20, T-15N, R-1E, N.M.P.M.  
 SANDOVAL COUNTY, NEW MEXICO



SCALE: 4" = 1 MILE

-  PROPOSED WELL LOCATION
-  EXISTING ROADS
-  PROPOSED ROAD
-  CATTLE GUARD
-  FENCE

SOUTHERN UNION GAS COMPANY  
LOCATION AND EQUIPMENT LAYOUT  
SAN YSIDRO NO. 7 WELL  
LAS MILPAS GAS STORAGE PROJECT

