

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Amended Location

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. LEASE DESIGNATION AND SERIAL NO. 14-08-0001-12395	
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			7. UNIT AGREEMENT NAME Las Milpas Gas Storage	
2. NAME OF OPERATOR Southern Union Exploraiton Company			8. FARM OR LEASE NAME San Ysidro	
3. ADDRESS OF OPERATOR First International Bldg., Suite 1800, Dallas, Texas 75270			9. WELL NO. 9	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2180 from the South Line & 1980 from the West Line. At proposed prod. zone Same as above.			10. FIELD AND POOL, OR WILDCAT Wildcat	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 miles west of San Ysidro, New Mexico			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 20, T15N, R1E, N.M.P.M.	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest dist. unit line, if any) 2180 Ft.			12. COUNTY OR PARISH 13. STATE Sandoval New Mexico	
16. NO. OF ACRES IN LEASE 2560			17. NO. OF ACRES ASSIGNED TO THIS WELL Gas-Storage	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1980 Ft.			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5698 Ft. Ungraded Ground Level			22. APPROX. DATE WORK WILL START* 9-17-79	

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.	365 sacks
7 7/8"	5 1/2"	15.50%	2400 Ft.	360 sacks 1st stage 270 sacks 2nd stage

1. We propose to mud drill a 7 7/8" hole to total depth of approx. 2400 ft.
2. Run 5 1/2", 15.50#, K-55 casing to total depth of 2400 ft. R.K.B. 1st stage cemented w/approx. 360 sacks of cement. Stage collar will be set at approx. 1100 Ft. and will cement 2nd stage with 270 sacks of cement.
3. The Aqua Zarca formation will be perforated and evaluated for possible gas storage.
4. 2" E.U.E., 4.70#, J-55 tubing will be run and set at approx. 2435 ft. R.K.B.

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 flowout prevention program, if any.

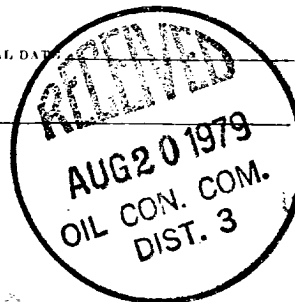
24. SIGNED Ronald M. Santz TITLE Drilling & Production Engineer DATE 8/3/79

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

ah Fink

AUG 10 1979

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-55

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

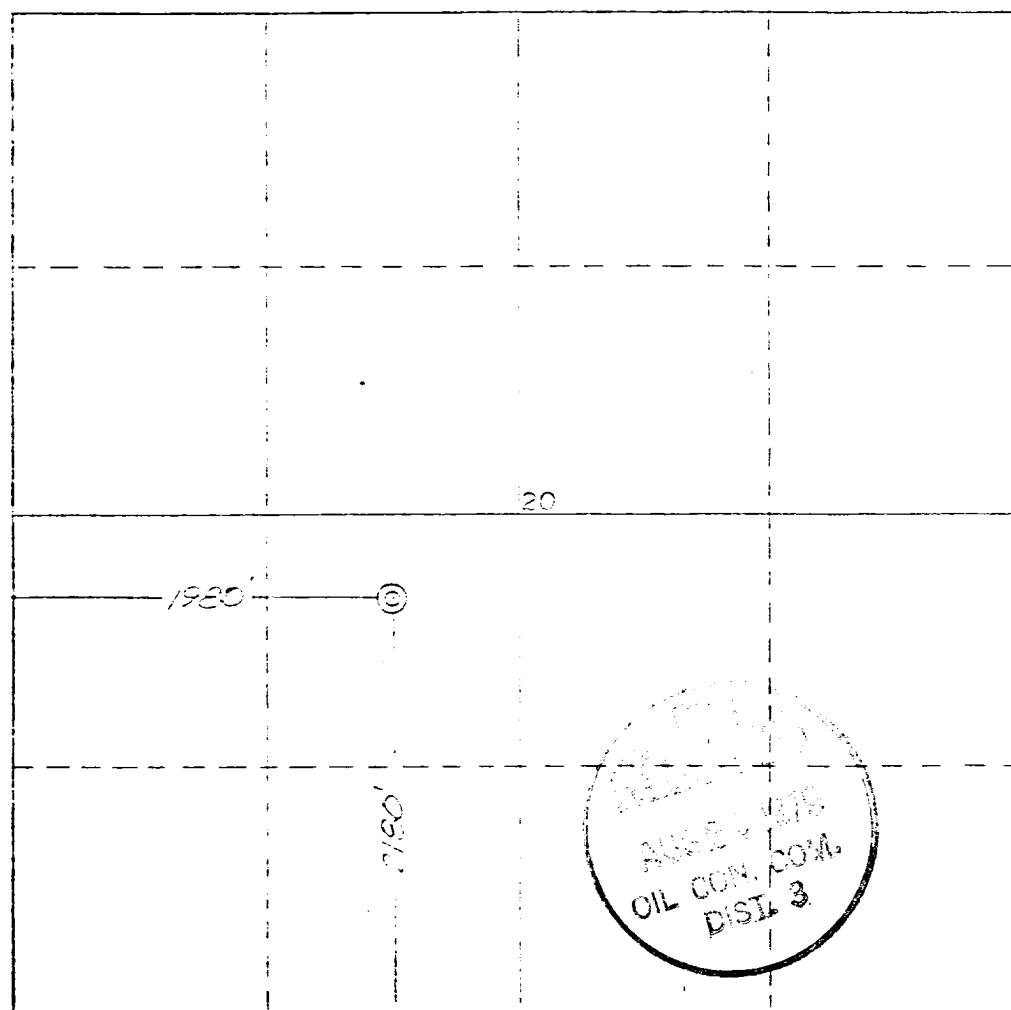
Operator SOUTHERN UNION EXPLORATION CO.			Lease SAN YSIDRO		Well No. 9
Unit Letter K	Section 20	Township 15 NORTH	Range 1 EAST	County SANDOVAL	
Actual Footage Location of Well:					
2180 feet from the SOUTH line and		1980 feet from the WEST line			
Ground Level Elev. 5824	Producing Formation	Pool	Dedicated Acreage		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 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 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.



CERTIFICATION

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

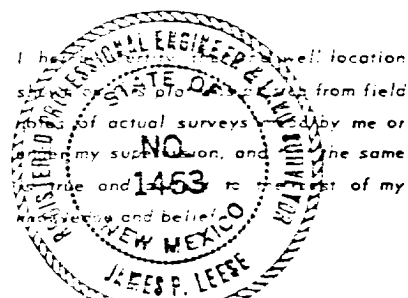
Ronald M. Sentz
Name

Ronald M. Sentz

Position
Drilling & Production Engineer

Company
Southern Union Exploration Co.

Date
August 14, 1979



Date Surveyed
August 4, 1979

Registered Professional Engineer
and/or Land Surveyor

James P. Leese
James P. Leese

Certificate No.
1463

