

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. E-1085	

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

1a. Type of Work			7. Unit Agreement Name		
b. Type of Well DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. Farm or Lease Name Gallagher & State 'W'		
2. Name of Operator Southern Union Supply Company			9. Well No. 3		
3. Address of Operator Suite 1800, First International Bldg., Dallas, Texas 75270			10. Field and Pool, or Wildcat North Vacuum		
4. Location of Well UNIT LETTER 0 LOCATED 1980 FEET FROM THE East LINE AND 660 FEET FROM THE South LINE OF SEC. 8 TWP. 17-S RGE. 34-E NMPM			12. County Lea		
19. Proposed Depth 13,600'			19A. Formation Morrow		20. Rotary or C.T. Rotary
21. Elevations (Show whether DE, RT, etc.) 4195.5 GL		21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor To be Negotiated		22. Approx. Date Work will start On Approval

23. Acreage is not dedicated to a gas purchaser  
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48#	385'	400	Circulated
11"	8-5/8"	24# & 32#	4800'	1500	Circulated
7-7/8"	5-1/2"	17#	13500'	825	8000'

This is a Morrow completion attempt at the proposed depth of 13,600'. We propose to set 385 feet of 13-3/8" surface casing with 400 sacks of cement, 4800' of 8-5/8" intermediate casing to be cemented to the surface, and in the event commercial production is established, 5-1/2" casing will be set to a depth of 13,500' with 825 sacks of cement. Once 13-3/8" casing is run, a blowout preventor will be installed. All casing will be pressure tested prior to drilling out cement. PVT, flow sensor and pump stroke counter will be installed after drilling out from under intermediate casing.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed James E. Ellis Title Chief Petroleum Engineer Date 8/24/76

(This space for State Use)

APPROVED BY Jerry L. Lott TITLE SUPERVISOR DISTRICT 1 DATE SEP 8 1976

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

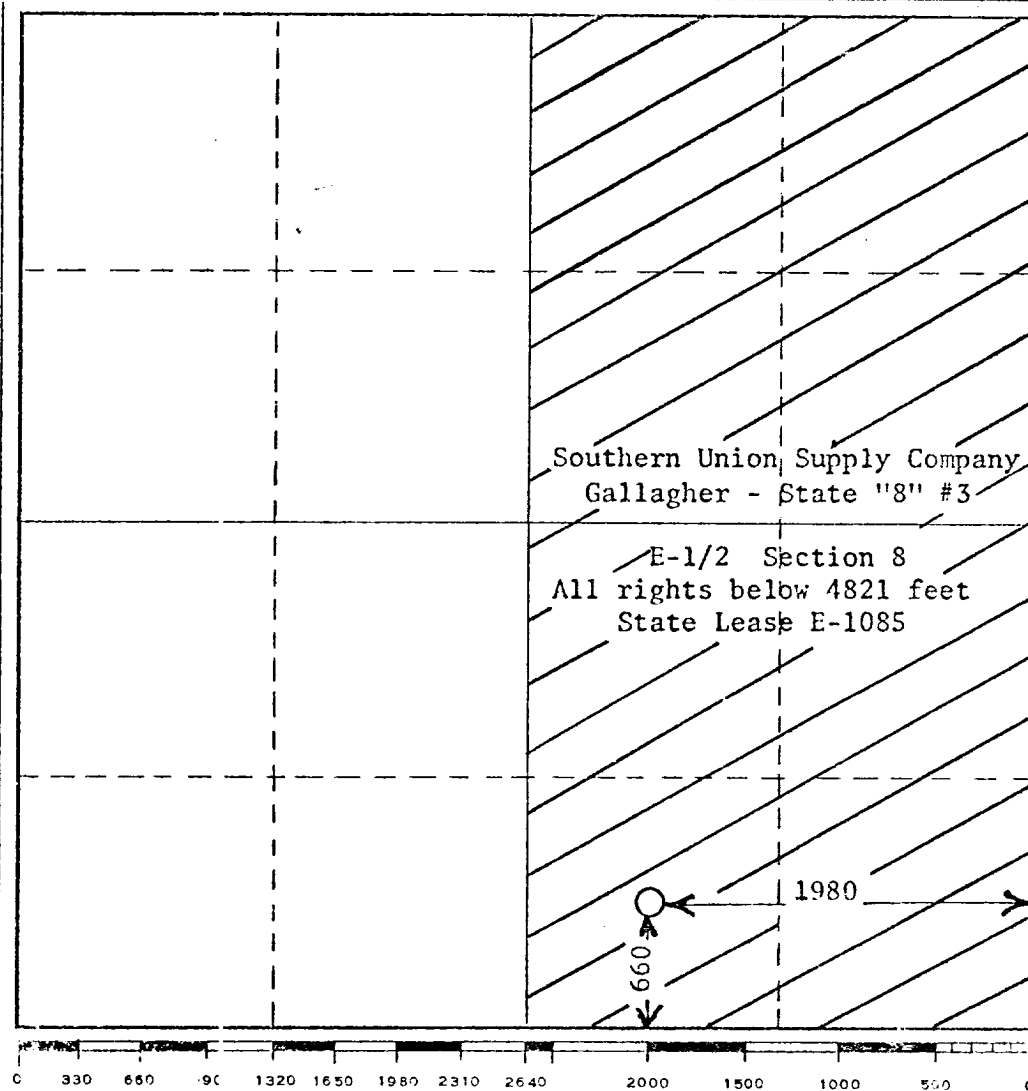
Operator <b>Southern Union Supply Company</b>			Lease <b>Gallagher - State "8"</b>		Well No. <b>3</b>
Unit Letter <b>0</b>	Section <b>8</b>	Township <b>17-S</b>	Range <b>34-E</b>	County <b>Lea</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>East</b> line and <b>660</b> feet from the <b>South</b> line					
Ground Level Elev. <b>4195.5</b>	Producing Formation <b>Morrow</b>		Pool <b>North Vacuum</b>		Dedicated Acreage: <b>320</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 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.

*James G. Ellis*

Name  
**James G. Ellis**

Position  
**Chief Petroleum Engineer**

Company  
**Southern Union Supply Co.**

Date  
**8/24/76**

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  
*August 24, 1976*  
Registered Professional Engineer and/or Land Surveyor  
*L. Jones*  
Certificate No.  
**3640**



RECEIVED  
JAN 16 1964  
U.S. AIR FORCE  
COMM.