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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.
OG-454

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name SUPCO - State	
2. Name of Operator Southern Union Supply Company		9. Well No. 2	
3. Address of Operator 1800 First International Bldg., Dallas, Texas 75270		10. Field and Pool, or Wildcat North Vacuum, Morrow	
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>17</u> TWP. <u>17-S</u> RGE. <u>34-E</u> NMPM		12. County Lea	
19. Proposed Depth 13600		19A. Formation Morrow	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 4086 GL	
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor	
22. Approx. Date Work will start May 22, 1977			

23.

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	360	400	Circulated
11	8-5/8	24 & 32#	4750	1500	Circulated
7-7/8"	5-1/2	17	13500	1150	8000'

This is a Morrow completion attempt at the proposed depth of 13,600'. We propose to set 360 feet of 13-3/8" casing and cement it to the surface, 4750 feet of 8-5/8" intermediate casing cemented to the surface, and, in the event commercial production is found, 5-1/2" casing will be set and cemented with 1150 sacks of cement. Once 13-3/8" casing is run, a blowout preventor consisting of blind rams, pipe rams and hydrill type preventor will be installed and tested to 1000 psi for 30 minutes. When 8-5/8" casing is set the casing and BOP will be tested to 1500 psi for 30 minutes. The BOP will be tested to 5000 psi at about 10,000 feet. A PVT, flow sensor and pump stroke counter will be used.

Acresage is dedicated to Southern Union Company.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 8-3-77

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 [Signature] Title Drilling Engineer Date 4/29/77

(This space for State Use)

APPROVED BY [Signature] TITLE STATE ENGINEER OR DEPUTY DATE MAY 3 1977

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

JUL 2 1972

OIL CONSERVATION COMM.
H2525, D. M.