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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.
LG - 3333

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> 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 State "17"	
2. Name of Operator Southern Union Exploration Company		9. Well No. 1	
3. Address of Operator 1800 First International Building, Dallas, Texas 75270		10. Field and Pool, or Wildcat Austin (Miss)	
4. Location of Well UNIT LETTER <u>F</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>17</u> TWP. <u>14S</u> RGE. <u>36E</u> NMPM		12. County Lea	
21. Elevations (Show whether DF, RT, etc.) <u>3962.0 G.L.</u>		19. Proposed Depth <u>13500'</u>	19A. Formation <u>Mississippian</u>
21A. Kind & Status Plug. Bond <u>Blanket</u>	21B. Drilling Contractor <u>Not contracted</u>	20. Rotary or C.T. <u>Rotary</u>	
		22. Approx. Date Work will start <u>3/1/79</u>	

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#	370'	450	Circ.
11"	8-5/8"	24 & 32#	4680'	1000	Circ.
7-7/8"	5-1/2"	17#	13500'	1500	8000'

This is a Mississippian completion attempt at the proposed depth of 13,500'. We propose to set 370 feet of 13-3/8" casing and cement it to the surface, 4680 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 1500 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.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES April 12, 1979

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 D. Ellis Title Chief Petroleum Engineer Date 1/9/79

(This space for State Use)

APPROVED BY John W. Runyan TITLE Geologist DATE JAN 12 1979

CONDITIONS OF APPROVAL, IF ANY: **Prior to producing this well, it will be necessary for you to obtain approval for the non-standard proration unit from the Santa Fe office of the OGD**