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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease: STATE [X] FEE [ ]

5. State Oil & Gas Lease No.: K 1860

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL [XX] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well: OIL WELL [ ] GAS WELL [XX] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. Unit Agreement Name:

8. Farm or Lease Name: Atlantic [redacted] "32" Fed

2. Name of Operator: SOUTHWESTERN NATURAL GAS, INC.

9. Well No.: 1

3. Address of Operator: 900 Building of the Southwest - Midland, Texas 79701

10. Field and Pool, or Wildcat: UNDESIGNATED!

4. Location of Well: UNIT LETTER C LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE OF SEC. 32 TWP. 18-S RGE. 33-E NMPM

12. County: Lea

19. Proposed Depth: 13,600

19A. Formation: Morrow

20. Rotary or C.T.: Rotary

21. Elevations (Show whether DF, RT, etc.): 3754' gl

21A. Kind & Status Plug. Bond: Blanket

21B. Drilling Contractor: Unknown

22. Approx. Date Work will start: Immediately

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	450'	400	Circ.
11"	8-5/8"	32	4800'	500	2800'
7-7/8"	4-1/2"	11.6 & 13.5	13600'	500	12000'

1. Drill 17-1/2" hole to 450'. Set 13-3/8" casing and circulate cement. WOC 12 hours. Test casing to 1,000 psi.

2. Drill 11" hole to 4800'. Set 8-5/8" casing. Test casing to 1500 psi. WOC 24 hours.

3. Drill 7-7/8" hole to 13,600'. Run open-hole logs and set 4-1/2" production casing. Test casing to 2000 psi. WOC 24 hours.

4. Blowout preventers of adequate capacity will be used.

13 3/8

3-8-70

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 Don C. Bennett Title Operations Manager Date December 4, 1969

(This space for State Use)

APPROVED BY [signature] TITLE SUPERVISOR DISTRICT I DATE [illegible] 8 1969

CONDITIONS OF APPROVAL, IF ANY: