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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. A-1375

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

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name Osudo
2. Name of Operator Southwestern Natural Gas, Inc.		8. Farm or Lease Name State
3. Address of Operator 900 Building of the Southwest, Midland, Texas		9. Well No. 1
4. Location of Well UNIT LETTER I LOCATED 660 FEET FROM THE East LINE AND 1980 FEET FROM THE South LINE OF TWP. 20-S RGE. 36-E NMPM		10. Field and Pool, or Wildcat N. Osudo - MIDLAND
12. County Lea		
19. Proposed Depth 11,600		19A. Formation Morrow
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 3634	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor McVay Drilling Co.
22. Approx. Date Work will start Immediately		

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	11-3/4"	42#	350	350	Circulated
11"	8-5/8"	32#	5430	380	4430 ft.
7-7/8"	4-1/2"	11.6#	11,600	430	10,100 ft.

1. Drill 15" hole to 350' (thru fresh water zones) cement 11-3/4" casing w/350 sks Class C cement plus 2% CC plus 1/4# flocele per sk. Circ. cement. WOC 12 hrs.
2. Test casing to 1000 psi for 30 minutes.
3. Drill 11" hole to 5430'. Set 8-5/8" casing and cement 380 sks Class C cement plus 2 % gel plus 5# Gilsonite and 1/4# flocele/sk. WOC 24 hrs and test csg w/1500 psi.
4. Drill 7-7/8" hole to 11,600' and set 4-1/2" casing and cement w/430 sks Class C cement w/10# of salt per sk plus 1-1/2% CFR-2. WOC 24 hrs Test csg to 2000 psi.
5. Proper blow out preventors will be used to meet all anticipated down hole conditions.

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 Ran C. Bennett Title OPERATIONS MANAGER Date November 21, 1969

(This space for State Use)

APPROVED BY [Signature] TITLE DIRECTOR DISTRICT DATE 11/24  
CONDITIONS OF APPROVAL, IF ANY:

2-24-70