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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.

## 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 New Mexico State "27" St.	
2. Name of Operator Discovery Operating, Inc.		9. Well No. 1	
3. Address of Operator 800 N. Marienfeld, Suite 100, Midland, Texas 79701		10. Field and Pool or Wildcat UNDESIGNATED	
4. Location of Well UNIT LETTER L LOCATED 1980 FEET FROM THE south LINE AND 660 FEET FROM THE West LINE OF SEC. 27 TWP. 16-S RGE 35-E NMPM		11. County Lea	
11. Proposed Depth 13,500'		12. Formation Morrow	
13. Kind & Status Plug, Bond One well - Active		14. Drilling Contractor Moranco Drilg., Rig 2	
21. Approx. Date Work will start March 1			

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"	54.50	425'	450	Surface
11"	8 5/8"	32, 28, 24	4600'	1400	Surface
7 7/8"	5 1/2"	15.5, 15	13000'	800	9500'

Move rig in and rig up. Drill 17 1/2" hole to 425'. Run 13 3/8" casing and circulate cement. Wait on cement 18 hours. Complete nipping up operations and test casing and BOP with 500 psi for 30 minutes. After satisfactory test, drill to a depth of 4600'± with an 11" bit. Run 8 5/8" casing and circulate cement. Wait on cement 18 hours. Complete nipping up operations and test casing with 800 psi for 30 minutes. After satisfactory test, drill to a depth of 13,500'± with a 7 7/8" bit. Run 5 1/2" casing and cement with 800 sxs. Rig down and move off location. Drill Stem Tests and/or electric logs and/or coring will be done if sample data and drilling rate are sufficient to indicate that these tests are warranted.

See attached for BOP description.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 8/23/84  
UNLESS DRILLING UNDERWAY

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 Richard L. Shaw Title Engineer Date February 7, 1984

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

FEB 23 1984

APPROVED BY DISTRICT 1 SUPERVISOR TITLE  DATE

CONDITIONS OF APPROVAL, IF ANY:

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FEB 10 1984  
G.C.D.  
HOBBS OFFICE