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NEW MEXICO OIL CONSERVATION COMMISSION

30-02528166

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" 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 DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Cooper	
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 Wildcat <i>Krowles</i>	
4. Location of Well UNIT LETTER C LOCATED 330' FEET FROM THE North LINE AND 1680 FEET FROM THE West LINE OF SEC. 2 TWP. 17-S RGE. 38-E NMPM		12. County Lea	
19. Proposed Depth 13,000		19A. Formation Devonian	
20. Rotary or C.T. Rotary		21. Approx. Date Work will start March 1, 1983	
21. Elevations (show whether DT, RT, etc.) 3700' GR		21A. Kind & Status Plug. Bond	
21B. Drilling Contractor		22. Approx. Date Work will start March 1, 1983	

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#	380'	450	Surface
11"	8 5/8"	24#, 28#, 32#	4800'±	1400	Surface
7 7/8"	5 1/2"	15.5#, 17#	13000'±	800	9000'±

Move rig in and rig up. Drill 17 1/2" hole to 380'. 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 4800'± with an 11" bit. Run 8 5/8" casing and cement with 1400 sks. and DV tool. 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 13,000'± with a 7 7/8" bit. Run 5 1/2" casing and cement with 800 sks. 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 9/1/83
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 18, 1983

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE MAR 4 1983

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

MAR 1 1983

C.C.D.
HOBBS OFFICE