

30-025-27856

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

**\*\*AMENDED\*\***

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

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 Whitten	
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	
4. Location of Well UNIT LETTER "C"      LOCATED 990'      FEET FROM THE north      LINE AND 1680'      FEET FROM THE west      LINE OF SEC. 35      TWP. 16-S      RGE. 38-E      NMPM		12. County Lea	

15. Proposed Depth 10,600'±	19A. Formation Wolfcamp	20. Rotary or C.T. Rotary
21. Elevations (from whether D.F., K1, etc.) 3690' GR	21A. Kind & Status Plug. Bond State-Multiple-Current	22. Approx. Date Work will start June 25, 1982
18. Drilling Contractor Landis Drilg. Co.		

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'±	800	2900'±
7 7/8"	5 1/2	15.5#, 17#	10500'±	800	7700'±

Move rig in and rig up. Drill 17 1/2" hole to 380'±. Run 13 3/8" casing and circulate cement. W.O.C. 12 hrs. 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 800 sxs. W.O.C. 12 hrs. Complete nipping up and test casing with 800 psi for 30 minutes. After satisfactory test, drill to a depth of 10,600'± 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 B.O.P. description.

\*Minimum WOC time prior to testing casing is 18 hrs.

\*\*Cement on the intermediate casing must be brought from the top of the salt to the surface casing by either circulating with cement or a DV tool at the top of the salt.

APPROVAL VALID FOR 180 DAYS  
 PERMIT EXPIRES 12/17/82  
 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 John B. Sparks Title Vice President Date June 10, 1982

ORIGINAL SIGNED BY  
JERRY SEXTON  
 APPROVED BY mc DISTRICT 1 SUPR. TITLE \_\_\_\_\_ DATE JUN 17 1982

CONDITIONS OF APPROVAL, IF ANY: \* & \*\*--SEE ABOVE

\*\*\*Production equipment must allow irrigation system presently in operation to clear