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NEW MEXICO OIL CONSERVATION COMMISSION

OCT - 9 1981

O. C. D.  
ARTESIA OFFICE

30-005-61151  
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.
LG-566-1

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

1a. Type of Work	DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	7. Unit Agreement Name	N/A
b. Type of Well	OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	8. Farm or Lease Name	16 Grynberg State
2. Name of Operator	Viking Petroleum, Inc.	9. Well No.	3
3. Address of Operator	1050 17th Street - Suite 1950, Denver, Colorado 80265	10. Field and Pool, or Wildcat	Undesignated Abo
4. Location of Well	UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE	12. County	Chaves
	AND 1980 FEET FROM THE West LINE OF SEC. 16 TWP. 5S RGE. 24E NMPM		
		19. Proposed Depth	4200
		19A. Formation	Abo
		20. Rotary or C.T.	Rotary
21. Elevations (Show whether D.P., K.T., etc.)	4034.06 GR	21A. Kind & Status Plug. Bond	Current Blanket
		21B. Drilling Contractor	Bill Isler
		22. Approx. Date Work will start	Oct. 10 1981

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
16" 7/8"	13 3/8"	48#	300'	good returns	to surface
12 1/4"	8 5/8"	28#	1500'	750 sx	
7 7/8"	4 1/2"	10.5#	4200'	500' above top of pay	

1. Rig up. Drill 16" hole to 300'. Set 13 3/8" surface casing.
2. Drill 12 1/4" hole to 1500'. Set 8 5/8" intermediate casing.
3. Log B.O.P. check in daily reports and drill 7 7/8" hole to ± 4200'.
4. Run tests and logs as necessary and run 4 1/2" production casing if warranted.
5. Perforate and stimulate as needed.

Blowout preventer diagram attached.

Gas is not dedicated.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 4-13-82  
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 Jancy Stolte, Jack Grynberg and Associates Agent Date 10-8-81

(This space for State Use)

APPROVED BY W.A. Gussert TITLE SUPERVISOR, DISTRICT II DATE OCT 13 1981

CONDITIONS OF APPROVAL, IF ANY: