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NEW MEXICO OIL CONSERVATION COMMISSION

30-005-61151

Form C-101
Revised 1-1-65

NOV 20 1981

*Amended
Location*

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. LG - 566 - 1
7. Unit Agreement Name N/A
8. Farm or Lease Name GRYNBERG 16 STATE
9. Well No. 3
10. Field and Pool, or Wildcat Undesignated - Abo
12. County Chaves
19. Proposed Depth 4200
19A. Formation Abo
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 4060.1'
21A. Kind & Status Plug. Bond Current Blanket
21B. Drilling Contractor Stewart Brothers
22. Approx. Date Work will start Nov. 22, 1981

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"/>
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator Viking Petroleum, Inc. ✓
3. Address of Operator 1050 17th Street Suite 1950 Denver, CO 80265
4. Location of Well UNIT LETTER E LOCATED 1980 FEET FROM THE North LINE AND 660 FEET FROM THE West LINE OF SEC. 16 TWP. 5-S RGE. 24-E NMPM
19. Proposed Depth 4200
19A. Formation Abo
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 4060.1'
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PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13 1/2"	10 3/4"	40.5#	900'	good returns to surface	
7 7/8"	4 1/2"	9.5#	4200"	500' above top of pay	

Proposed Program:

1. Drill 13 1/2' hole to 900'. Run 10 3/4" surface casing.
2. Drill 7 7/8' hole to 4200', checking B.O.P. daily
3. Run tests and logs as needed.
4. Run 4 1/2" Production Casing if warranted.
5. Perforate and stimulate as needed.

In the event that circulation is lost while drilling the 7 7/8" hole and intermediate casing is needed, the hole will be reamed and 1500' of 7 5/8" intermediate casing will be set.

Gas is not desired

180 DAYS
5-20-82
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 Nancy Stofe Title Agent Date 11/18/81
NANCY STOFLE, JACK GRYNBERG AND ASSOCIATES
(This space for State Use)

APPROVED BY Mark Williams TITLE CHIEF OF DISTRICT DATE NOV 24 1981
CONDITIONS OF APPROVAL, IF ANY: