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NEW MEXICO OIL CONSERVATION COMMISSION

OCT - 9 1981

O. C. D.
ARTESIA, OFFICE 1

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"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name 16 Grynberg State
2. Name of Operator Viking Petroleum, Inc. ✓		9. Well No. 4
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 H LOCATED 1980 FEET FROM THE North LINE 660 East 16 5S 24E AND FEET FROM THE LINE OF SEC. TWP. RGE. NMPM		12. County Chaves
19. Proposed Depth 4200'		19A. Formation Abo
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DI, RT, etc.) 4006.44 GR	21A. Kind & Status Plug. Bond Current Blanket	21B. Drilling Contractor Bill Isler
22. Approx. Date Work will start Oct. 10, 1981		

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
16" 17 1/2"	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.

Signature Nancy Stolze Jack Grynberg and Associates Agent Date 10-8-81
(This space for State Use)

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT II DATE OCT 13 1981
CONDITIONS OF APPROVAL, IF ANY: