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NEW MEXICO OIL CONSERVATION COMMISSION

JAN 8 1982

O. C. D.
ARTESIA, OFFICE

30-005-61344

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. STA-NM-LG-566-1
7. Unit Agreement Name N/A
8. Farm or Lease Name Grynberg 32 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 D.F., R.T., etc.) 4159
21A. Kind & Status Plug. Bond Current Blanket
21B. Drilling Contractor S & B
22. Approx. Date Work will start January 9, 1982

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 <u>N</u> LOCATED <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>32</u> TWP. <u>5S</u> RGE. <u>24E</u> NMPM
21. Elevations (Show whether D.F., R.T., etc.) 4159
21A. Kind & Status Plug. Bond Current Blanket
21B. Drilling Contractor S & B
22. Approx. Date Work will start January 9, 1982

23. 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. If 7-5/8" casing run, tie cement back to surface casing.

BOP Diagram Attached.
Gas is not dedicated

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 7-11-82
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 Nancy Stolze Title AGENT Date January 7, 1982
Nancy Stolze, JACK GRYNBERG AND ASSOCIATES

APPROVED BY Mike Wilbur TITLE OIL AND GAS INSPECTOR DATE 1-11-82
CONDITIONS OF APPROVAL, IF ANY: