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NEW MEXICO OIL CONSERVATION COMMISSION

NOV 20 1981

O. C. D.
ARTESIA, OFFICE

30-005-61235
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
7. Unit Agreement Name N/A
8. Farm or Lease Name Grynberg 32 State
9. Well No. 1
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.) 4141.8
21A. Kind & Status Plug. Bond Current Blanket
21B. Drilling Contractor Stewart Brothers
22. Approx. Date Work will start November 21, 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 St. Suite 1950, Denver, CO 80433
4. Location of Well UNIT LETTER <u>B</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>32</u> TWP. <u>T 5 S</u> RGE. <u>24 E</u> NMPM
19. Proposed Depth 4200'
19A. Formation Abo
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 4141.8
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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"	32#	900'	Cement to surface	
7 7/8"	4 1/2"	9.5#	4200'	500' above top of pay	

1. Spud well, 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 to 4200' if warranted.
5. Perforate and stimulate as needed.

In the event that circulation is lost while drilling 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.

B.O.P. Diagram is Attached

Gas is not dedicated.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 5-24-82
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 MORRIS ETTINGER, JACK GRYNBERG & ASSOCIATES Title Agent
(This space for State Use)

Date 11/19/81

APPROVED BY W.A. Goss TITLE SUPERVISOR, DISTRICT II DATE NOV 24 1981
CONDITIONS OF APPROVAL, IF ANY:

Viking Petroleum, Inc. Grynberg 32 State #1

B 32 5-S 24-E Chaves

1980

1980

EAST

4141.8

Abo

Undesignated Abo

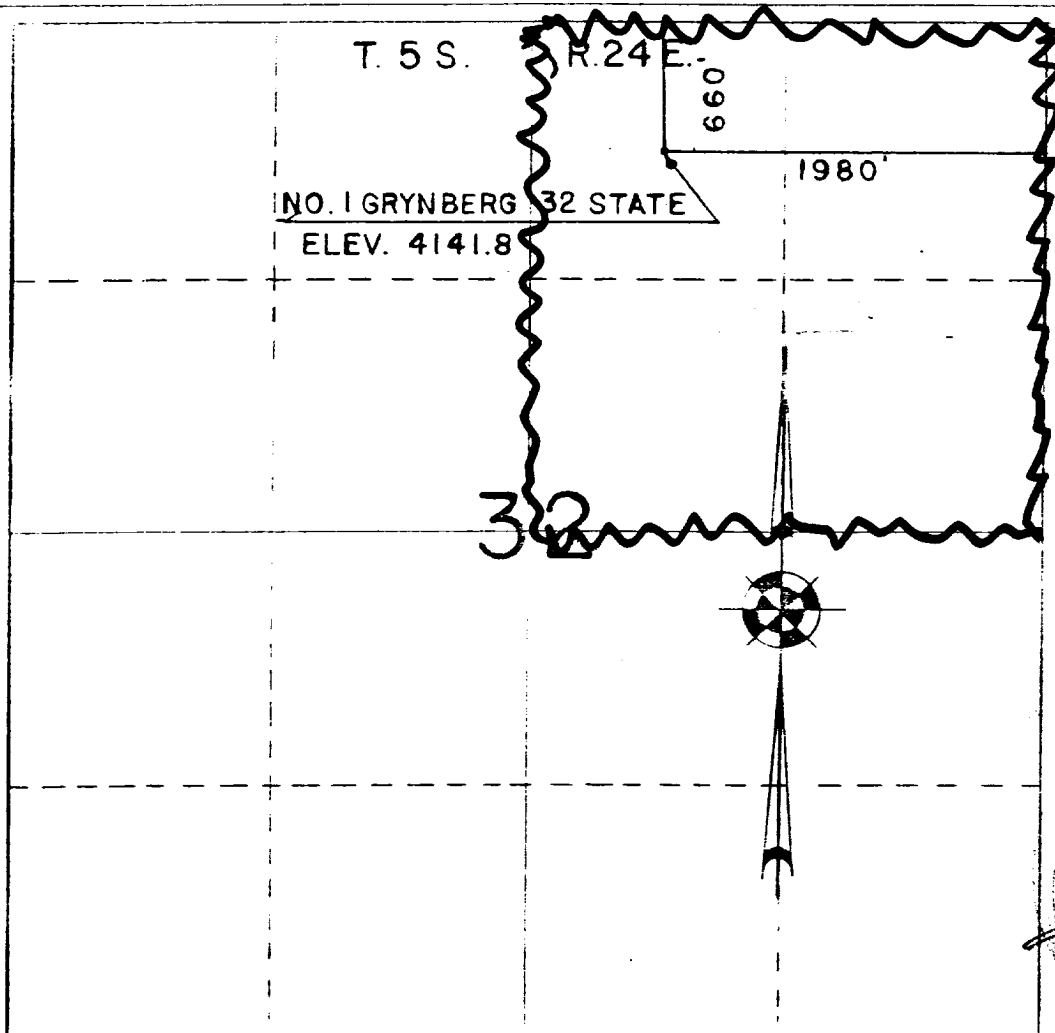
160

11. If more than one lease of different ownership is dedicated to the well, have the interests been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes" type of consolidation

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Position

Date

Date

I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

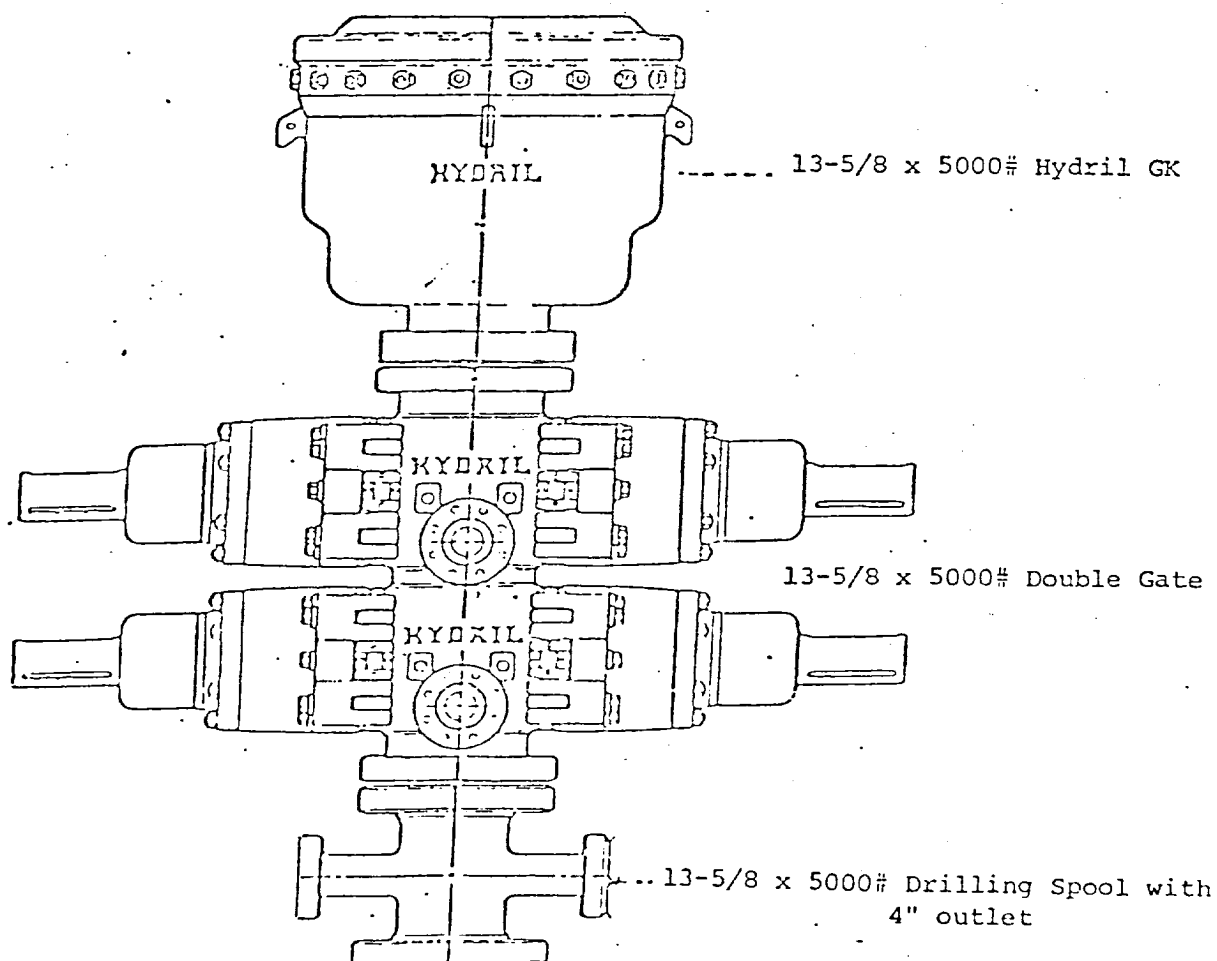
20 November 1981

Date surveyed

Thomas T. Mann, P.E. & L.S.

N.M. License No. 277

B.O.P. Stack



All items H₂S trimmed