

ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
P. O. BOX 2088  
Santa Fe, New Mexico 87501

October 15, 1981

HNG Oil Company  
P. O. Box 2267  
Midland, Texas 79702

Attention: Betty Gildon

Administrative Order TX-77

Gentlemen:

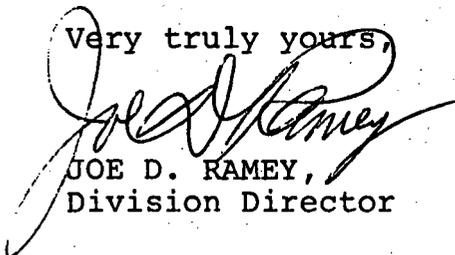
Reference is made to your request for an exception to the tubing setting requirements as contained in Division Rule 107(d) (3) for the below-named well.

Pursuant to the authority granted me by Rule 107(d) (4), you are hereby authorized to set tubing at 12,960 feet in the following well:

<u>LEASE NAME</u>	<u>WELL NO.</u>	<u>UNIT</u>	<u>S-T-R</u>
Vaca Draw 16 State	1	E	16-25S-33E

The Division reserves the right to rescind this authority in the event that waste appears to be resulting therefrom.

Very truly yours,

  
JOE D. RAMEY,  
Division Director

JDR/DSN/dr

cc: Oil Conservation Division - Hobbs  
Oil & Gas Engineering Committee - Hobbs

PVZV2004431971



P. O. BOX 2267, MIDLAND, TEXAS 79702 (915) 683-4871

October 8, 1981

RECEIVED  
OCT 13 1981  
OIL CONSERVATION DIVISION  
SANTA FE

TX-77

Oil Conservation Commission  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attn: Mr. Dan Nutter

In Re: Vaca Draw 16 State, Well No. 1  
1980' FNL & 660' FWL, Sec. 16, T25S, R33E  
Lea County, New Mexico

Dear Mr. Nutter:

Tubing for the above-named well has been set at 12,960 feet,  
and casing perforated from 14,248 to 14,757 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

*Betty Gildon*

Betty Gildon  
Regulatory Analyst

bg

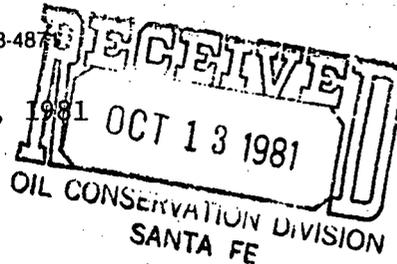
enclosure

*Called Neal on  
10/13 and told  
her TX 77 is  
being issued  
today.  
OK*



P. O. BOX 2267, MIDLAND, TEXAS 79702 (915) 683-4873

October 8, 1981



Oil Conservation Commission  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attn: Mr. Joe D. Ramey  
Secretary Director

In Re: Vaca Draw 16 State, Well No. 1  
1980' FNL & 660' FWL, Sec. 16, T25S, R33E  
Lea County, New Mexico

Dear Mr. Ramey:

Please find enclosed copy of a letter to Mr. Dan Nutter dated October 8, 1981, requesting an exception to the tubing-setting requirements contained in Division Rule 107d.

To avoid delay in placing this well on stream, temporary approval of the above-named exception is requested.

Your early attention is appreciated.

Very truly yours,

HNG OIL COMPANY

Betty Gildon  
Regulatory Analyst

bg

enclosures

Betty:

A statement to the effect that you set tubing @ 12,960 with perm at 14,248 is not sufficient. why did you set it there? Does the well make liquids? etc.



P. O. BOX 2267, MIDLAND, TEXAS 79702 (915) 683-4871

October 14, 1981

Oil Conservation Division  
State Land Office Bldg.  
Santa Fe, New Mexico 87501  
Attn: Mr. Dan Nutter

TX 77

Dear Mr. Nutter:

*feed 10/15*

There are several reasons why we feel that completions utilizing a TIW Polish Bore Receptacle is the most advantageous method to complete a well.

- (1) The inside diameter of the seal assembly is the same as the diameter of the tubing. Therefore, there is no restriction that would reduce the size of Wireline Tools that could be run in the hole.
- (2) The Polish Bore Receptacle has a full bore opening to the liner below it. This allows us to run bridge plugs, retainers, or bits into the liner if necessary.
- (3) The seal assembly - PBR hook-up allows for tubing movement while treating the well. It will withstand higher treating pressures during stimulation than would be possible with most other production packers.
- (4) In most of the wells drilled in this area there are several zones of interest. By having the seal assembly stung into the PBR, the lowest zone can be tested and if non-productive squeezed. The next zone of interest can then be perforated, acidized and tested. All this can be accomplished without pulling the tubing. This can save a considerable amount of time and money.

The Polish Bore Receptacle is run on the top of the liner. It is for this reason that the tubing is sometimes set a considerable distance above the productive zone.

We feel that this Packer system not only save us a considerable amount of time and money, but also is the most reliable Packer system available. Of the several hundred wells in which HNG Oil Company has utilized this system over the past years, we have had very few failures. If you have any questions please feel free to give me a call.

Very truly yours,

George M. Hover  
Completion Engineer

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State  Fee,

5. State Oil & Gas Lease No.  
**L-6328**

1a. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER \_\_\_\_\_

7. Unit Agreement Name

8. Farm or Lease Name  
**Vaca Draw 16 State**

2. Name of Operator  
**HNG OIL COMPANY**

9. Well No.  
**1**

3. Address of Operator  
**P. O. Box 2267, Midland, Texas 79702**

10. Field and Pool, or Wildcat  
**Wildcat Atoka**

4. Location of Well  
UNIT LETTER **E** LOCATED **1980** FEET FROM THE **North** LINE AND **660** FEET FROM

12. County  
**Lea**

THE **West** LINE OF SEC. **16** TWP. **25S** RGE. **33E** NMPM

15. Date Spudded **2-20-81** 16. Date T.D. Reached **6-16-81** 17. Date Compl. (Ready to Prod.) **9-23-81** 18. Elevations (DI, RKB, RT, GR, etc.) **3416' GR** 19. Elev. Casinghead **3416'**

20. Total Depth **16,075'** 21. Plug Back T.D. **14,845'** 22. If Multiple Compl., How Many \_\_\_\_\_ 23. Intervals Drilled By \_\_\_\_\_ Rotary Tools  Cable Tools \_\_\_\_\_

24. Producing Interval(s), of this completion - Top, Bottom, Name  
**14,248' - 14,757' (Atoka)**

25. Was Directional Survey Made  
**No**

26. Type Electric and Other Logs Run  
**Compensated Neutron Formation Density and Dual Laterolog Micro-SFL**

27. Was Well Cored  
**No**

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	560'	17-1/2"	300 Pacemaker Lite & 250 C1 C	Circ.
9-5/8"	36#	4924'	12-1/4"	2900 Pacemaker C Lite & 500 C1 C	Circ.
7"	26#	13253'	8-1/2"	500 Pacemaker Lite & 550 C1 H	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	13,006'	16,072'	600 C1 H	-

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	12,960'	12,960'

31. Perforation Record (Interval, size and number)

15,058' - 15,718'	(.32" 26)
15,471' - 15,502'	(.32" 18)
14,248' - 14,757'	(.32" 14)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
15058-15718	3500 gals Morflo BC Acid
15471-15502	1000 gals Morflo BC Acid
15058-15718	Squeezed w/240 sx C1 H
14248-14757	3500 gals Morflo BC Acid

33. PRODUCTION

Date First Production **9-18-81** Production Method (Flowing, gas lift, pumping - Size and type pump) **Flowing** Well Status (Prod. or Shut-in) **Shut In**

Date of Test **9-18-81** Hours Tested **24** Choke Size **7/64"** Prod'n. For Test Period **3** Oil - Bbl. **2100** Gas - MCF **14** Water - Bbl. **700,000** Gas-Oil Ratio

Flow Tubing Press. **4850** Casing Pressure **-** Calculated 24-Hour Rate **40.0** Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) **Vented** Test Witnessed By

35. List of Attachments  
**Logs, Inclination Report and C-122**

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Betty C. Eldon TITLE Regulatory Analyst DATE October 8, 1981

*Rec'd 10/15*