

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION



GARREY CARRUTHERS
GOVERNOR

February 15, 1987

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

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

Attention: Betty Gildon

Administrative Order TX-168

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.

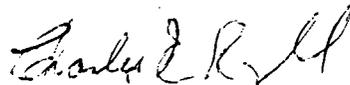
Pursuant to the authority granted me by Rule 107(d)(4), you are hereby authorized to set tubing at 10,350 feet in the following well:

Well Name and Number: Fort 7 Com Well No. 1

Location: Unit O, 660' FSL & 2310' FEL of Sec. 7,
T-24-S, R-29-E, NMPM,
Eddy County, New Mexico

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

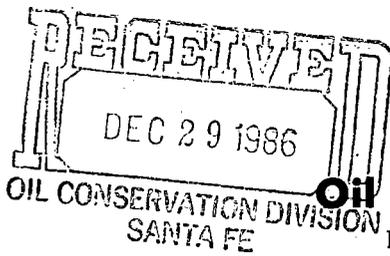
Very truly yours,


CHARLES E. ROYBAL,
Acting Division Director

CER/REJ/dr

cc: Oil Conservation Division - Artesia

PV2V2005137972



ENRON
Oil & Gas Company

HNG OIL COMPANY
P. O. Box 2267 Midland, Texas 79702 (915) 686-3600

DRC
M.E.S } your view?
R

December 22, 1986

Oil Conservation Division
P. O. Box 2088
State Land Office Bldg.
Santa Fe, NM 87501

Attn: Mr. R. L. Stamets
Division Director

In Re: Fort 7 Com., Well No. 1
660' FSL & 2310' FEL, Sec. 7, T24S, R29E
Eddy County, New Mexico

Dear Mr. Stamets:

Tubing for the above-named well has been set at 10,350 feet,
and casing perforated from 12,125 to 12,139 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

Betty Gildon
Regulatory Analyst

BG

enclosures



P. O. BOX 2267, MIDLAND, TEXAS 79702 (915) 686-3600

Oil Conservation Division
P. O. Box 2088
State Land Office Bldg.
Santa Fe, New Mexico 87501

Attn: Mr. R. L. Stamets
Division Director

Re: Fort 7 Com. #1
Sec. 7, T24S, R29E
Eddy County, NM

Dear Mr. Stamets:

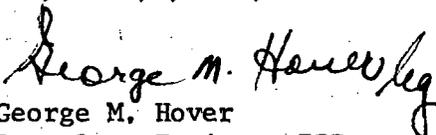
There are several reasons why we feel that completions utilizing a TIW Polish Bore Receptacle or Insert Seal Assembly is the most advantageous method to complete a well.

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. The Insert Seal Assembly sets in the tie back sleeve at the top of the liner.

We feel that this Packer system not only saves 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
Petroleum Engineer III

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

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LAND OFFICE	
OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

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
Fort 7 Com.

2. Name of Operator
HNG OIL COMPANY

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

9. Well No.
1

10. Field and Pool, or Wildcat
Malaga /Atoka/

4. Location of Well
UNIT LETTER 0 LOCATED 660 FEET FROM THE south LINE AND 2310 FEET FROM THE east LINE OF SEC. 7 TWP. 24S RGE. 29E NMPM

12. County
Eddy

15. Date Spudded 10/22/86 16. Date T.D. Reached 11/21/86 17. Date Compl. (Ready to Prod.) 12/3/86 18. Elevations (DF, RKB, RT, GR, etc.) 2948.6' GR 19. Elev. Casinghead 2948.6'

20. Total Depth 12,311 21. Plug Back T.D. 12,225 22. If Multiple Compl., How Many _____ 23. Intervals Drilled By Rotary Tools X Cable Tools _____

24. Producing Interval(s), of this-completion - Top, Bottom, Name
12,125 - 12,139 (Atoka Bank)

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
CNL/LDT, DLL/MSFL

27. Was Well Cored
NO

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	608'	17-1/2"	350 lite & 200 Hi Early	Circulated
9-5/8"	36#	2650'	12-1/4"	1200 lite & 350 C1 C	Circulated
7"	23#	10700'	8-3/4"	800 lite & 400 C1 H	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	10350	12311	300 C1 H	-

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	10350	10350

31. Perforation Record (Interval, size and number)
12,125 - 12,139 (.33" 15)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12125-12139	2500 gal 7-1/2% HCL w/Additives and 500 SCF N2/bbl.

33. PRODUCTION

Date First Production 11/28/86 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) SI

Date of Test 11/29/86 Hours Tested 24 Choke Size 12/64" Prod'n. For Test Period 0 Oil - Bbl. 1100 Gas - MCF 0 Water - Bbl. 0 Gas - Oil Ratio 0

Flow Tubing Press. 550 Casing Pressure Sealed Calculated 24-Hour Rate 0 Oil - Bbl. 0 Gas - MCF 0 Water - Bbl. 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 Survey, C-104

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 Gildon Betty Gildon TITLE Regulatory Analyst DATE 12/22/86

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy _____	T. Canyon _____	Cherry Mrkr. 3830	T. Ojo Alamo _____	T. Penn. "B" _____	
T. Salt _____	T. Strawn _____	11756	T. Kirtland-Fruitland _____	T. Penn. "C" _____	
B. Salt _____	T. Atoka _____	Shale 12018	T. Pictured Cliffs _____	T. Penn. "D" _____	
T. Yates _____	T. Atoka _____	IM 12158	T. Cliff House _____	T. Leadville _____	
T. 7 Rivers _____	T. Devonian _____		T. Menefee _____	T. Madison _____	
T. Queen _____	T. Silurian _____	Lake Lime Pay 12124	T. Point Lookout _____	T. Elbert _____	
T. Grayburg _____	T. Montoya _____		T. Mancos _____	T. McCracken _____	
T. San Andres _____	T. Simpson _____		T. Gallup _____	T. Ignacio Qtzte _____	
T. Glorieta _____	T. McKee _____		Base Greenhorn _____	T. Granite _____	
T. Paddock _____	T. Ellenburger _____		T. Dakota _____	T. _____	
T. Blinberry _____	T. Gr. Wash _____		T. Morrison _____	T. _____	
T. Tubb _____	T. Granite _____		T. Todilto _____	T. _____	
T. Drinkard _____	T. Delaware _____	Mt. Grp. 2720	T. Entrada _____	T. _____	
T. Abo _____	T. Bone Springs _____	Lime 6520	T. Wingate _____	T. _____	
T. Wolfcamp _____	T. 1st Bone Spgs Sd _____	Lime 9730	T. Chinle _____	T. _____	
T. Penn. _____	T. 3rd Bone Spgs Sd _____	9305	T. Permian _____	T. _____	
T. Cisco (Bough C) _____	T. _____		T. Penn. "A" _____	T. _____	

OIL OR GAS SANDS OR ZONES

No. 1, from <u>Atoka 12125</u> to <u>12139</u>	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from <u>None</u> to _____ feet.
No. 2, from _____ to _____ feet.
No. 3, from _____ to _____ feet.
No. 4, from _____ to _____ feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	3797	3797	Salt, Anhy				
3797	4946	1149	Lime, Shale				
4946	6750	1804	Sand, Shale				
6750	7400	650	Lime, Shale				
7400	11026	3626	Lime, Sand, Shale				
11026	12311	1285	Shale, Lime				