



TONY ANAYA  
GOVERNOR

STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
OIL CONSERVATION DIVISION

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

August 6, 1984

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

Attention: Betty Gildon

Administrative Order TX-141

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 13,825 feet in the following well:

Well Name and Number: Madera Ridge 25 Fed. Com., Well  
No. 1

Location: Unit L, Sec. 25, T-24S, R-33E, NMPM,  
Lea County, NM

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/MES/dp

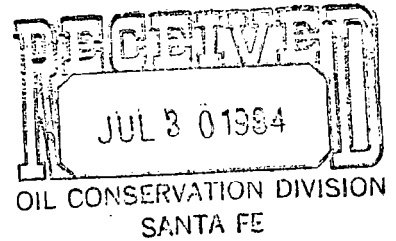
cc: Oil Conservation Division - Hobbs

PVZV2005037623



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

July 25, 1984



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

Attn: Mr. Joe D. Ramey  
Division Director

In Re: Madera Ridge 25 Federal Com., Well No. 1  
1980' FSL & 660' FWL, Sec. 25, T24S, R33E  
Lea County, New Mexico

Dear Mr. Ramey:

Tubing for the above-named well has been set at 13,825 feet,  
and casing perforated from 14,644 feet to 14,682 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) 683-4871  
July 25, 1984

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

Attn: Mr. Joe D. Ramey  
Division Director

Dear Mr. Ramey:

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*  
George M. Hover  
Petroleum Engineer III

GMH/bg

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other In-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. NM 19858	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR HNG OIL COMPANY				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 2267, Midland, Texas 79702				8. FARM OR LEASE NAME Madera Ridge 25 Federal Com.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FSL & 660' FWL At top prod. interval reported below Same At total depth Same				9. WELL NO. 1	
14. PERMIT NO. _____ DATE ISSUED 12-12-83				10. FIELD AND POOL, OR WILDCAT Pitchfork Ranch Morrow	
15. DATE SPUDDED 12-27-83 16. DATE T.D. REACHED 6-23-84 17. DATE COMPL. (Ready to prod.) 7-2-84 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3556' GR 19. ELEV. CASINGHEAD 3556'				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 25, T24S, R33E	
20. TOTAL DEPTH, MD & TVD 15,750' 21. PLUG, BACK T.D., MD & TVD 14,908' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS X CABLE TOOLS _____				12. COUNTY OR PARISH Lea 13. STATE NM	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 14,664' - 14,682'				25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN BHC Sonic, Comp. Dual Laterolog & Dual Induction, CNL Density				27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
13-3/8"		61#		600'	
9-5/8"		40# & 36#		5087'	
7"		26#		13420'	
HOLE SIZE		CEMENTING RECORD			
17-1/2"		300 C1 C Lite & 300 C1 C			
12-1/4"		1900 Pacesetter Lite & 475 C1 C Circ.			
8-3/4"		750 Pacesetter Lite & 400 C1 H -			
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
5-1/2"		13060		15000	
3-1/2"		14036'		14973	
SACKS CEMENT*		SCREEN (MD)			
200 C1 H		-			
140 C1 H		-			
30. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
2-7/8"		13,827'		13,827'	
31. PERFORATION RECORD (Interval, size and number) 14,644' - 14,682' (.39", 36)					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
14,644-14,682		None			
33.* PRODUCTION					
DATE FIRST PRODUCTION 7-2-84		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) Shut-in
DATE OF TEST 7-2-84		HOURS TESTED 24	CHOKE SIZE 16/64"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 6
					GAS—MCF. 5700
					WATER—BBL. 25
					GAS-OIL RATIO 950
FLOW. TUBING PRESS. 8150		CASING PRESSURE Sealed	CALCULATED 24-HOUR RATE →	OIL—BBL. →	GAS—MCF. →
					WATER—BBL. →
					OIL GRAVITY-API (CORR.) 49.0
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented					TEST WITNESSED BY
35. LIST OF ATTACHMENTS Logs					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED Betty G. Alden		TITLE Regulatory Analyst		DATE 7/13/84	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
	0	525	Anhy Redbeds
	525	3041	100% Anhy
	3041	3845	Salt
Delaware	3845	5405	100% Anhy
Cherry Canyon	5405	6580	Anhy, Shale, Lime
Marker & Leonard	6580	9600	Lime, Sand, Shale, Chert
Bone Springs	9600	12427	Shale, Lime
ne Springs & Wifcp.	12427	12907	Shale, Lime, Sand
Wolfcamp	12907	13400	Shale, Lime
Wolfcamp	13400	13543	100% Shale
Wolfcamp & Strawn	13543	14021	Shale, Lime, Chert
Strawn & Atoka	14021	14264	Lime, Shale
Atoka & Morrow	14264	15750	Lime, Sand, Shale, Chert

## 38.

## GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	5270	
Cherry Canyon	6304	
Cherry Canyon Mrkr	6556	
Leonard	9060	
Bone Springs	9220	
Wolfcamp	12210	
Strawn	13858	
Atoka	14042	
Morrow Lime	14472	
Morrow Clastics	14742	