

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

July 26, 1983

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

Attention: Betty A. Gildon
Regulatory Clerk

Administrative Order TX-110

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.

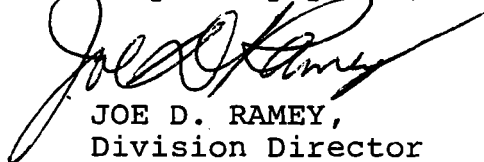
Pursuant to the authority granted me by Rule 107(d)(4), you are hereby authorized to set tubing at 12,809 feet in the following well:

Well Name and Number: Madera 33 Federal Com. Well No. 1

Location: 2310' FNL and 660' FWL of Sec. 23, T-24-S,
R-34-E, NMPM, Lea County

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/RLS/h

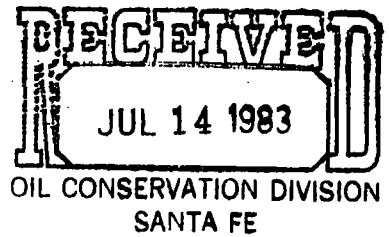
cc: Oil Conservation Division - Hobbs
Well File
Bureau of Land Management - Roswell

PV2V2005029868



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

July 11, 1983



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: Madera 33 Federal Com., Well No. 1
Unit: Letter E, 2310' FNL & 660' FWL,
Sec. 23, T24S, R34E, Lea County, NM.

Dear Mr. Ramey:

Please find enclosed copy of a letter to Mr. Dan Nutter dated
July 11, 1983 requesting an exception to the tubing-setting
requirements contained in Division Rule 107(d).

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

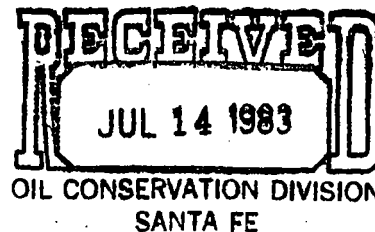
Betty A. Gildon
Regulatory Clerk

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enclosures



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



July 11, 1983

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

Attn: Mr. Dan Nutter

In Re: Madera 33 Federal Com., Well No. 1
2310' FNL & 660' FWL, Sec. 23, T24S, R34E,
Lea County, New Mexico

Dear Mr. Nutter:

Tubing for the above-named well has been set at 12,809 feet,
and casing perforated from 14,944 to 15,000 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

A handwritten signature in cursive script, reading "Betty Gildon".

Betty Gildon
Regulatory Analyst

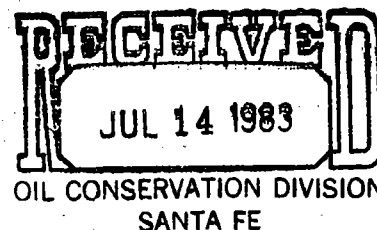
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enclosure



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

July 11, 1983



Oil Conservation Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

Re: Madera 33 Federal Com., Well No. 1
2310' FNL & 660' FWL,
Sec. 23, T24S, R34E
Lea County, NM

Attn: Mr. Dan Nutter:

Dear Mr. Nutter:

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 ssembly 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
Completion Engineer

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 21511	
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. RESERVOIR <input type="checkbox"/>		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 33 Federal Com.	
4. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side) At surface 2310' FNL & 660' FWL At top prod. interval reported below Same At total depth Same		9. WELL NO. 1	
10. FIELD AND POOL, OR WILDCAT Pitchfork Ranch Morrow		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 23, T24S, R34E	
12. PERMIT NO. 11-22-82		13. STATE NM	
14. DATE SPUDDED 2-18-82		15. DATE T.D. REACHED 6-22-83	
16. DATE COMPL. (Ready to prod.) 7-6-83		17. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3427' GR	
18. TOTAL DEPTH, MD & TVD 15,130'		19. ELEV. CASING HEAD 3427'	
20. PLUG, BACK T.D., MD & TVD 15,025'		21. IF MULTIPLE COMPL., HOW MANY*	
22. INTERVALS DRILLED BY ROTARY TOOLS X CABLE TOOLS		23. WAS DIRECTIONAL SURVEY MADE No	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 14,944' - 15,000 (Morrow)		25. TYPE ELECTRIC AND OTHER LOGS RUN Compensated Neutron-Formation Density, and Composite of Dual Laterolog and Dual Induction	
26. CASING RECORD (Report all strings set in well)		27. WAS WELL CORED No	
28. LINER RECORD		29. TUBING RECORD	
30. PERFORATION RECORD (Interval, size and number)		31. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
32. PRODUCTION		33. LIST OF ATTACHMENTS	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
36. SIGNED		37. TITLE	
38. DATE		39. DATE	

*(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	550	Redbeds, Anhy
Delaware	550	5337	Anhy, Salt
Delaware & Cherry Can.	5337	6450	Anhy, Lime
Cherry Can & Bone Spgs	6450	10122	Sand, Lime, Shale
Bone Springs	10122	10625	Lime, Shale, Chert
Bone Springs & Strawn	10625	13587	Shale, Lime, Sand
Strawn & Atoka	13587	13869	Shale, Lime, Chert
Atoka	13869	14058	Lime, Shale, Sand
Atoka & Morrow	14058	14272	Lime, Shale Chert
Morrow	14272	14956	Lime, Shale
	14956	15004	Suale, Lime, Sand
Whipstock & Sidetrack			
	14238	14246	100% Cement
	14246	14327	Cement, Shale, Lime, Sand
	14327	14734	Lime, Shale, Sand, Chert
	14734	15065	Shale, Lime, Sand
	15065	15130	Shale, Lime

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	5302	
Cherry Canyon	6290	
Cherry Can Marker	6525	
Bone Springs	9252	
Wolfcamp	12174	
Strawn	13581	
Atoka	13726	
Morrow Lime	14112	
Morrow Clastics	14370	