

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

May 21, 1982

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

Attention: Betty Gildon

Administrative Order TX-89

Gentlemen:

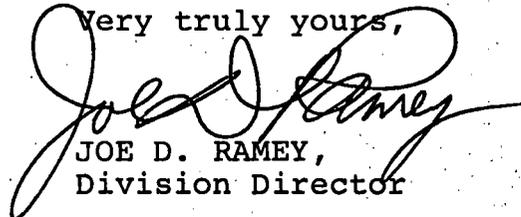
Reference is made to your request for an exception to the tubing setting requirements as contained in Division Rule 107(d)(3) for the below-named well.

Pursuant to the authority granted me by Rule 107(d)(4), you are hereby authorized to set tubing at 12,925 feet in the following well:

<u>LEASE NAME</u>	<u>WELL NO.</u>	<u>UNIT</u>	<u>S-T-R</u>
Madera 32 State Com	1	C	32-24S-34E

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

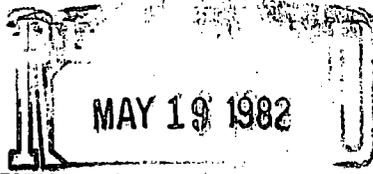
JDR/DSN/dr

cc: Oil Conservation Division - Hobbs

PV2V2004433709



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



SANTA FE
May 17, 1982

TO: →

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

IX-

Attn: Mr. Dan Nutter

In Re: Madera 32 State Com., Well No. 1, located
in Unit Letter C, 1980' FWL & 660' FNL,
Sec. 32, T24S, R34E, Lea County, NM.

Dear Mr. Nutter:

Tubing for the above-named well has been set at 12,925 feet,
and casing perforated from 14,723 to 15,002 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

Betty Gildon
Regulatory Analyst

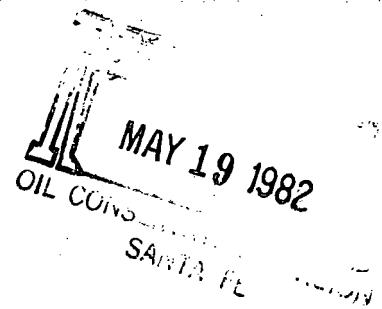
bg

enclosures



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

May 17, 1982



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

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 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
Completion Engineer

GMH/bg

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

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

MAY 19 1982
NEW MEXICO OIL CONSERVATION DIVISION
SANTA FE

Form C-105
Revised 11-1-78

5a. Indicate Type of Lease
State Fee

5b. State Oil & Gas Lease No.
SA 4096 & LG-359

3a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

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

2. Name of Operator
HNG OIL COMPANY

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

4. Location of Well
UNIT LETTER C LOCATED 1980 FEET FROM THE west LINE AND 660 FEET FROM
THE north LINE OF SEC. 32 TWP. 24S RGE. 34E NMPM

7. Unit Agreement Name
8. Farm or Lease Name
Madera 32 State Com.
9. Well No.
1
10. Field and Pool, or Wildcat
Und. Morrow
12. County
Lea

15. Date Spudded 12-24-81
16. Date T.D. Reached 3-29-82
17. Date Compl. (Ready to Prod.) 4-7-82
18. Elevations (DI, RKB, RT, GR, etc.) 3468' GR
19. Elev. Casinghead 3468'

20. Total Depth 15,400'
21. Plug Back T.D. 15,302'
22. If Multiple Compl., How Many
23. Intervals Drilled By Rotary Tools Cable Tools
X

24. Producing Interval(s), of this completion - Top, Bottom, Name
14,723' - 15,002' (Morrow)

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
Compensated Neutron-Formation Density, and Dual Laterolog

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#	585'	17-1/2"	300 65/35 POZ & 250 C1 C	Circ.
9-5/8"	36#	5170'	12-1/4"	2900 Lite & 475 C1 C	Circ.
7"	26#	13250'	8-3/4"	600 35/65 lite POZ & 500 C1 H	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4-1/2"	12,927'	15,419'	450 C1 H	-	2-7/8"	12,925'	PBR 12,925'

30. TUBING RECORD

31. Perforation Record (Interval, size and number)

14,723-15,002 (.32" 24)
15,243-15,250 (.32" 14)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
14723-15002	5000 Gals 10% Morflo BC Acid
15243-15250	Sq. w/50 sx. C1 H - Tested to 5500#

33. PRODUCTION

Date First Production 5-1-82
Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing
Well Status (Prod. or Shut-in) Shut-in

Date of Test 5-2-82
Hours Tested 8
Choke Size
Prod'n. For Test Period
Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio 6500.000

Flow Tubing Press. 5150#
Casing Pressure
Calculated 24-Hour Rate
Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity (API/Corr.) 43.6

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented

35. List of Attachments
Inclination Report, Logs & 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 Gildon TITLE Regulatory Analyst DATE May 17, 1982

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 39 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 1195.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____ 6284	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____ 13606	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____ 13764	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Morrow _____ 14200	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Morrow Clastics _____ 14410	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____ 5292	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____ 9227	T. Wingate _____	T. _____
T. Wolfcamp _____ 12286	T. Rustler _____ 1115	T. Chinle _____	T. _____
T. Penn. _____	T. Cherry Canyon _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. Marker _____ 6512	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>Morrow 14723</u> to <u>15250</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	225	225	Surface Rock	13759	14126	367	Lime, Shale, Sand
225	585	360	sand & Redbed	14126	14275	149	Lime, Shale, Chert
585	917	332	Shale	14275	14330	55	Shale, Lime
917	1430	513	Anhy & Shale	14330	14455	125	Lime, Shale Chert
1430	4035	2605	Salt & Anhy, Shale	14455	14738	283	Sand, Lime, Shale
4035	4413	378	Anhy & Lime	14738	14774	36	Shale, Lime, Sand, Chert
4413	5222	809	Salt & Anhy	14774	14909	135	Shale
5222	7520	2298	Sand & Shale	14909	15000	91	Sand
7520	9160	1640	Sand, Shale, Lime	15000	15400	400	Shale, Lime, Sand
9160	9515	355	Shale & Lime				
9515	10834	1319	Shale, Lime, Chert				
10834	11113	279	Lime, Sand, chert				
11113	11809	696	Shale, Lime, Chert				
11809	12958	1149	Shale, Lime, Sand				
12958	13537	579	Shale				
13537	13759	222	Shale, Lime, Chert				