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:

LEASE NAME	WELL NO.	UNIT	S-T-R
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

pVEV2004433709

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

May 17, 1982

TX

TO:

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

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

Betty Gildon
Regulatory Analyst

bg

enclosures

hng Oil Company
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 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

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LAND OFFICE		
OPERATOR		

MAY 19 1982
OIL CONSERVATION DIVISION
SANTA FE

Form C-105
Revised 11-1-78

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

5a. Indicate Type of Lease: State [X] Fee [ ]

5b. State Oil & Gas Lease No.: LC-A-4096 & LG-359

1a. TYPE OF WELL

b. TYPE OF COMPLETION

OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER

NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:

8. Farm or Lease Name: Madera 32 State Com.

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: Und. Morrow

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

12. County: Lea

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

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
15,400'	15,302'		→	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 Cl C	Circ.
9-5/8"	36#	5170'	12-1/4"	2900 Lite & 475 Cl C	Circ.
7"	26#	13250'	8-3/4"	600 35/65 lite POZ & 500	Cl H -

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	12,927'	15,419'	450 Cl H	-

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	12,925'	PBR 12,925'

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. Cl H - Tested to 5500#

33. PRODUCTION

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

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas—Oil Ratio
5-2-82	8						6500,000

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity - API (Corr.)
5150#	-		1.8	11,700	4	43.6

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

Test Witnessed By:

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 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. Cherry 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 Miss Lime	14200	T. Cliff House		T. Leadville	
T. 7 Rivers		T. Morrow Clastics / Devonian	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 Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		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 Morrow 14723 to 15250 — 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 None 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				