



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONY ANAYA
GOVERNOR

August 28, 1984

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

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

Attention: Betty Gildon

Administrative Order TX-144

Dear Ms. Gildon:

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 11,498 feet in the following well:

Well Name and Number: Shoe Bar State Com Well No. 1

Location: Unit L, Sec. 14, T-17-S, R-35-E, NMPM,
Lea 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,

JOE D. RAMEY,
Division Director

JDR/MES/h

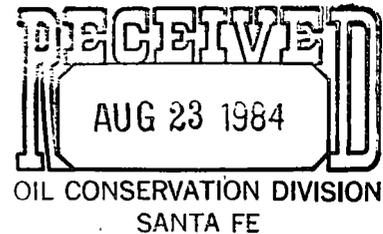
cc: Oil Conservation Division - Hobbs

PV2V2005037803



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

August 20, 1984



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

Attn: Mr. Joe D. Ramey
Division Director

In Re: Shoe Bar 14 State Com., Well No. 1
1980' FSL & 660' FWL, Sec. 14, T17S, R35E
Lea County, New Mexico

Dear Mr. Ramey:

Tubing for the above-named well has been set at 11,498 feet,
and casing perforated from 12,141 to 12,156 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

Betty Gildon
Regulatory Analyst

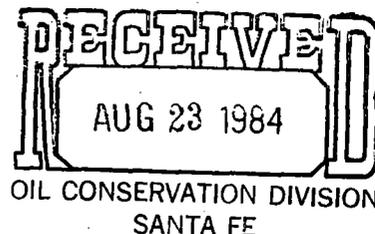
bg

enclosures



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

August 20, 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
leg.

George M. Hover
Petroleum Engineer III

GMH/bg

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OPERATOR	

Form C-105
Revised 11-1-83

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

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.
LG-2051

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
Shoe Bar 14 State Com.

9. Well No.
1

10. Field and Pool, or Wildcat
Wildcat/Morrow/

2. Name of Operator
HNG OIL COMPANY

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

4. Location of Well
UNIT LETTER L LOCATED 1980 FEET FROM THE south LINE AND 660 FEET FROM THE west LINE OF SEC. 14 TWP. 17S RGE. 35E NMPM

12. County
Lea

15. Date Spudded
3-8-84

16. Date T.D. Reached
4-20-84

17. Date Compl. (Ready to Prod.)
6-26-84

18. Elevations (DF, RKB, RT, GR, etc.)
3938.5' GR

19. Elev. Casinghead
3938.5'

20. Total Depth
12,978'

21. Plug Back T.D.
12,910'

22. If Multiple Compl., How Many
Many

23. Intervals Drilled By
Rotary Tools: X
Cable Tools: _____

24. Producing Interval(s), of this completion - Top, Bottom, Name
12,151' - 12,156' (Morrow)

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
Repeat Formation Tester (2)
Dual Laterolog Micro-SFL, BHC Sonic, Comp. Neutron-Litho Denisty

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 FULLED
13-3/8"	61#	464'	17-1/2"	500 C1 H	Circulated
9-5/8"	40#	4933'	12-1/4"	2000 HLW & 300 C1 C	Circulated
5-1/2" & 4-1/2"	17# & 13.5#	12978'	8-3/4"	475 C1 H, HLW & 700 C1 H	
				50-50 Poz.	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	11,498'	PBR 11,498'

31. Perforation Record (Interval, size and number)
12,151' - 12,156' (.25", 20)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12151-12156	3000 gal prepad 50-50 Alco gel 3X, 4000 gal pad, 3000 gals w/1# 20-40 interprop, 4000 gals w/2# 20-40 interprop.

33. PRODUCTION

Date First Production
6-29-84

Production Method (Flowing, gas lift, pumping - Size and type pump)
Flowing

Well Status (Prod. or Shut-in)
Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. for Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
7-25-84	24	9/64"		17	420	3	24,706

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
140	Sealed					29.0

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

Test Witnessed By

35. List of Attachments
Logs, Inclination Survey

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 8/20/84
Betty Gildon

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. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____ 11680	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt _____	T. Atoka _____ 11820	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 3164	T. Miss Lime _____ 12887	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 3358	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 4056	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 4390	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 4770	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 _____ 7815	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 8794	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____ 9675	T. Morrow Clastics _____ 12420	T. Chinle _____	T. _____
T. Penn. Lime _____ 10656	T. Rustler _____ 1860	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ 12151 _____ to _____ 12156 _____	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	1035	1035	Redbeds	10295	11684	1389	Lime, Shale
1035	1858	823	100% shale	11684	11900	216	100% Shale
1858	2825	967	100% Redbeds	11900	12564	664	Lime, Sand, Shale
2825	3335	510	Redbeds, w.trace of anhy.	12564	12819	255	100% Shale
3335	4325	990	Anhy, Shale	12819	12978	159	Lime, Shale
4325	4676	351	Anhy, Dolo, Shale				
4676	4880	204	Dolo, Snad, SHale				
4880	4930	50	100% dolo				
4930	5005	75	Dolo, Shale				
5005	7095	2090	100% Dolo				
7095	7455	360	Dolo, Sand				
7455	8874	1419	100% Dolo				
8874	9230	356	Dolo, Shale				
9230	9575	345	100% Dolo				
9575	9877	302	Dolo, Lime, Shale				
9877	10295	418	100% Lime				