

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

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

Attention: Betty Gildon

Administrative Order TX-87

Gentlemen:

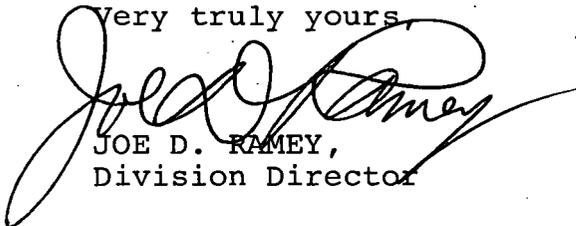
Reference is made to your request for an exception to the tubing setting requirements as contained in Division Rule 107(d)(3) for the below-named well.

Pursuant to the authority granted me by Rule 107(d)(4), you are hereby authorized to set tubing at 10,286 feet in the following well:

<u>LEASE NAME</u>	<u>WELL NO.</u>	<u>UNIT</u>	<u>S-T-R</u>
Smith 10 Com	1	G	10-24S-27E

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 - Artesia

PVZV2004433580



P. O. BOX 2267, MIDLAND, TEXAS 79702

(915) 687-1571



April 19, 1982

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

Attn: Mr. Dan Nutter

In Re: Smith 10 Com., Well No. 1 located Unit Letter G,
2310' FNL & 1980' FEL, Sec. 10, T24S, R27E,
Eddy County, New Mexico.

Dear Mr. Nutter:

Tubing for the above-named well has been set at 10,286 feet, and casing perforated from 11,710 feet to 12,482 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

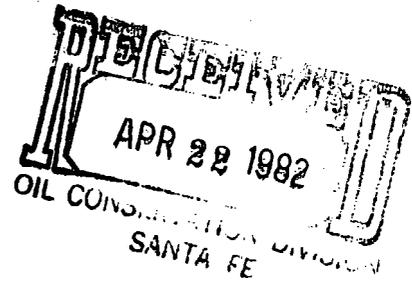
Betty Gildon
Regulatory Analyst

bg

enclosures



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



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
Completion Engineer

GMH/bg

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APR 22 1982
 OIL CONSERVATION COMMISSION
 SANTA FE

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

Form C-105
 Revised 11-1-78

5a. Indicate Type of Lease
 Lease Fee

5. State Oil & Gas Lease No.

1a. 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

7. Unit Agreement Name

8. Farm or Lease Name
Smith 10 Com.

9. Well No.
1

10. Field and Pool, or Wildcat
Und. Morrow

4. Location of Well
 UNIT LETTER **G** LOCATED **2310** FEET FROM THE **north** LINE AND **1980** FEET FROM
 THE **east** LINE OF SEC. **10** TWP. **24S** RGE. **27E** NMPM

12. County
Eddy

15. Date Spudded **2-22-82** 16. Date T.D. Reached **4-8-82** 17. Date Compl. (Ready to Prod.) **4-16-82** 18. Elevations (DF, RKB, RT, GR, etc.) **3128' GR** 19. Elev. Casinghead **3128'**

20. Total Depth **12,550'** 21. Plug Back T.D. **12,504'** 22. If Multiple Compl., How Many _____ 23. Intervals Drilled By: Rotary Tools **X** Cable Tools _____

24. Producing Interval(s), of this completion - Top, Bottom, Name
11,710' - 12,482' (Morrow)

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run **Compensated Neutron Formation Density plus Composite of Dual Induction-SFL 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#	550'	17-1/2"	525 HLC & 200 C1 C	Circ.
9-5/8"	47#	2150'	12-1/4"	400 C1 C & 1300 HLC	Circ.
7"	23#	10500'	8-1/2"	800 TLW & 525 C1 H	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	10295	12550	425 C1 H	-

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	10,286'	ISA 10,286'

31. Perforation Record (Interval, size and number)
11,710' - 11,811' (.35" 9)
12,055' - 12,482' (.35" 17)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11,710'-12,482'	Acidized w/5000 gals 7-1/2% Morrow Flo BC Acid.

33. PRODUCTION

Date First Production **4-15-82** Production Method (Flowing, gas lift, pumping - Size and type pump) **Flowing** Well Status (Prod. or Shut-in) **Shut-in**

Date of Test **4-16-82** Hours Tested **24** Choke Size **15/64"** Prod'n. For Test Period **Oil - Bbl. 2 Gas - MCF 9000 Water - Bbl. 22 Gas - Oil Ratio 4500 ⁰⁰⁰**

Flow Tubing Press. **2700** Casing Pressure **-** Calculated 24-Hour Rate **Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API (Corr.) 35.0**

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented Test Witnessed By _____

35. List of Attachments
Logs and Inclination Report.

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 Gilson TITLE Regulatory Analyst DATE April 19, 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. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawh <u>10790</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka <u>11018</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	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. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand <u>2212</u>	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs <u>5698</u>	T. Wingate _____	T. _____
T. Wolfcamp <u>8973</u>	T. <u>1st Bone Sprgs 6686</u>	T. Chinle _____	T. _____
T. Penn. _____	T. <u>Morrow 11642</u>	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. <u>Morrow Clastics 11956</u>	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>Morrow 11710</u> to <u>12482</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	550	550	Surface & Redbed				
550	1214	664	Anhy				
1214	1800	586	Salt				
1800	2525	725	Anhy				
2525	6543	4118	Sand & Shale				
6643	10500	3857	Lime, Sd, Sh				
10500	11058	558	Shale				
11058	11824	766	Lm, & Sh				
11824	12266	442	Chert, Lime, Shale				
12266	12550	284	Sh, Lm, Sd.				