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:

LEASE NAME	WELL NO.	UNIT	S-T-R
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

hng Oil Company
P. O. BOX 2267, MIDLAND, TEXAS 79702 (915) 682-1671

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 10,286feet, 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

Betty Gildon
Regulatory Analyst

bg

enclosures

hng Oil Company
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 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
Completion Engineer

GMH/bg

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APR 22 1982
OIL CONSERVATION DIVISION
SANTA FE

Form C-105
Revised 11-1-76

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.:

1a. TYPE OF WELL
b. TYPE OF COMPLETION
OIL WELL ☐ GAS WELL XXX DRY ☐ OTHER
NEW WELL XX WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name:
8. Farm or Lease Name: Smith 10 Com.
9. Well No.: 1
10. Field and Pool, or Wildcat: Und. 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 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	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
2-22-82	4-8-82	4-16-82	3128' GR	3128'

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

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

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

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
2700	-					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 Gildon (Betty Gildon) 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. Strawn	10790	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka	11018	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. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand	2212	T. Entrada		T.	
T. Abo		T. Bone Springs	5698	T. Wingate		T.	
T. Wolfcamp	8973	T. 1st Bone Sprgs	6686	T. Chinle		T.	
T. Penn.		T. Morrow	11642	T. Permian		T.	
T Cisco (Bough C)		T. Morrow Clastics	11956	T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from Morrow 11710 to 12482 — 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	550	550	Surface & Redbed				
550	1214	664	Anhy				
1214	1800	586	Salt				
1800	2525	725	Anhy				
2525	6643	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.				