



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

October 24, 1984

TONEY ANAYA
GOVERNOR

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

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

Attention: Betty Gildon

Administrative Order TX-145

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 11,128 feet in the following well:

Well Name and Number: Craft 25 Com Well No. 1

Location: 660' FNL and 2310' FEL, Sec. 25, T-24-S,
R-28-E, NMPM, Eddy County, New Mexico

Remarks: Perfs: 12,003 to 12,037 in 4 1/2" liner

The Division reserves the right to rescind this authority in the event that waste appears to be resulting therefrom.

Very truly yours

R. L. STAMETS,
Acting Director

JDR/MES/h

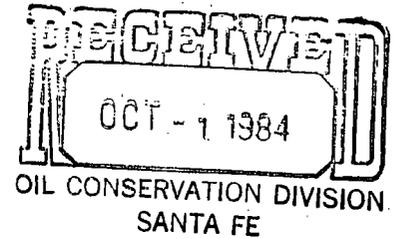
cc: Oil Conservation Division - Artesia

PV2V2005037860



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

September 25, 1984



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

Attn: Mr. Joe D. Ramey
Division Director

Re: Craft 25 Com., Well No. 1
660' FNL & 2310' FEL, Sec. 25, T24S, R28E
Eddy County, New Mexico

Dear Mr. Ramey:

Tubing for the above-named well has been set at 11,128 feet
and casing perforated from 12,003 to 12,037 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

A handwritten signature in cursive script that reads "Betty Gildon".

Betty Gildon
Regulatory Analyst

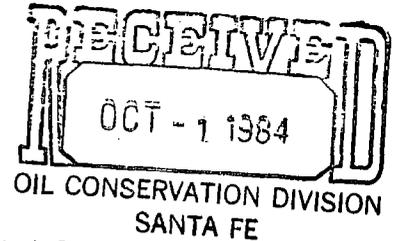
bg

enclosures



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

September 25, 1984



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

Re: Craft 25 Com., Well No. 1
Eddy County, NM

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
Petroleum Engineer III

GMH/bg

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LAND OFFICE	
OPERATOR	

Form C-105
Revised 11-1-88

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
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
Craft 25 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
Wildcat Atoka

4. Location of Well
UNIT LETTER B LOCATED 660 FEET FROM THE north LINE AND 2310 FEET FROM

11. County
Eddy

THE east LINE OF SEC. 25 TWP. 24S RGE. 28E NMPM

15. Date Spudded 7-18-84	16. Date T.D. Reached 8-25-84	17. Date Compl. (Ready to Prod.) 9-5-84	18. Elevations (DF, RKB, RT, GR, etc.) 2916.5' GR	19. Elev. Casinghead 2916.5'
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20. Total Depth 12,119'	21. Plug Back T.D. 12,083'	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools <input checked="" type="checkbox"/> Cable Tools _____
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24. Producing Interval(s), of this completion - Top, Bottom, Name
12,003' - 12,037' (Atoka)

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
BHC Sonic, Dual Laterolog & Dual Ind., Comp. Dens, Nuet & Nuetron Litho Dens.

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"	54.5#	553'	17-1/2"	335 HLC & 200 C1 C	Circulated
9-5/8"	36#	2527'	12-1/4"	875 HLW & 400 C1 C	Circulated
7"	23#	11448'	8-1/2"	750 HLC & 200 C1 H	-

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4-1/2"	11081'	12116'	200 C1 H	-	2-3/8"	11,128'	MWL ISA 11,128'

31. Perforation Record (Interval, size and number)
12,003' - 12,037' (20 .25")

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12003-12037	5000 gals 7-1/2% HCL

33. PRODUCTION

Date First Production 9-5-84	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing	Well Status (Prod. or Shut-in) Shut in					
Date of Test 9-6-84	Hours Tested 24	Choke Size 9/64"	Prod'n. Per Test Period →	Oil - Bbl. 6	Gas - MCF 1450	Water - Bbl. 6	Gas - Oil Ratio 242.000
Flow Tubing Press. 2200	Casing Pressure 1400	Calculated 24-Hour Rate →	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.) 48.2	

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

Test Witnessed By

35. List of Attachments
Logs, 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 915/686-3714

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 _____ 3290	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn Lime _____ 11736	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka Shale _____ 11910	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Atoka Lime _____ 12058	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen Lake Pay 12058	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. Brushy Canyon _____ 4791	T. Morrison _____	T. _____
T. Tubb _____	T. Leonard _____ 6234	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____ 2613	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs Lime _____ 6390	T. Wingate _____	T. _____
T. Wolfcamp _____	T. 1st B.S. SD. _____ 7308	T. Chinle _____	T. _____
Base Lime _____ 9566	T. 2nd B.S. SD. _____ 8094	T. Permian _____	T. _____
Base Lime Mrkr _____ 10874	T. 3rd B.S. SD. _____ 9206	T. Penn. "A" _____	T. _____
T. Penn. _____			
Cherry Canyon Mrkr _____ 3640			
T. _____			

OIL OR GAS SANDS OR ZONES

No. 1, from Atoka 12003 to 12037	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	1001	1001	Anhy, Lime	11818	11874	56	Lime, Chert
1001	1151	150	Salt	11874	12002	128	Shale, Lime
1151	1282	131	Shale, Anhy	12002	12058	56	Shale, Lime, Chert
1282	2089	807	Anhy	12058	12119	61	Shale, Lime
2089	2515	426	Salt				100% Lime at TD
2515	2750	235	Anhy				
2750	4880	2130	Sand				
4880	5595	715	Shale, Sand				
5595	6650	1055	Sand				
6650	8450	1800	Lime, Shale				
8450	8680	230	Shale, Sand				
8680	10798	2118	Lime, Shale				
10798	11400	602	Lime, Shale, Sand				
11400	11818	418	Shale, Lime				