

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 A. Gildon

Administrative Order TX-97

Gentlemen:

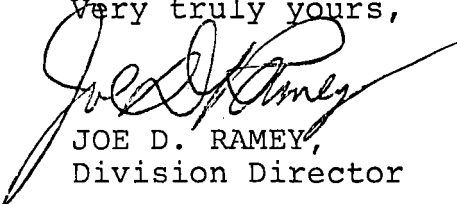
Reference is made to your request for an exception to the tubing setting requirements as contained in Division Rule 107(d)(3) for the below-named well.

Pursuant to the authority granted me by Rule 107(d)(4), you are hereby authorized to set tubing at 10,705 feet in the following well:

<u>LEASE NAME</u>	<u>WELL NO.</u>	<u>UNIT</u>	<u>S-T-R</u>
Faulk 32 Com	1	I	32-22S-28E

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/fd

cc: Oil Conservation Division - Artesia
Well File

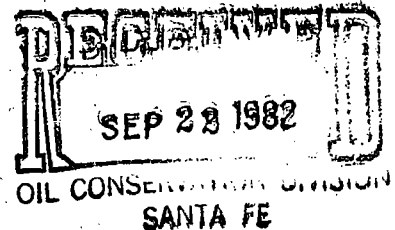
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P. O. BOX 2267, MIDLAND, TEXAS 79702 (915) 683-4871

September 20, 1982

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



Attn: Mr. Dan Nutter

In Re: Faulk 32 Com., Well No. 1 located
in Sec. 32, T22S, R28E, Eddy County,
New Mexico.

Dear Mr. Nutter:

Tubing for the above-named well has been set at 10,705 feet, and casing perforated from 12063 - 12497 feet.

Per attached letter, this office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

Betty Gildon
Betty Gildon
Regulatory Analyst

bg

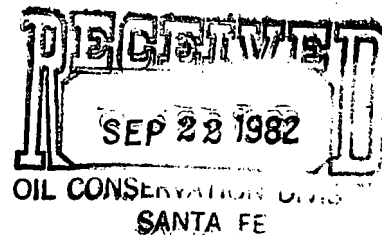
enclosure

P. S. Water production shown on the attached test was influenced by spent acid water.



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

September 20, 1982



Oil Conservation Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

Attn: Mr. Dan Nutter:

Re: Faulk 32 Com., Well No. 1
Section 32, T22S, R28E
Eddy County, New Mexico

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

P.S. Water production shown on the attached test was influenced by spent acid water.

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LAND OFFICE	
OPERATOR	

Form C-105
Revised 11-1-81

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

5a. Indicate Type of Lease
State ☐ Free ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

Faulk 32 Com.

9. Well No.

1

10. Field and Pool, or Wildcat

Dublin Morrow Ranch

1a. TYPE OF WELL

b. TYPE OF COMPLETION
OIL WELL ☐ GAS WELL ☒ DRY ☐
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

2. Name of Operator

HNG OIL COMPANY

3. Address of Operator

P. O. Box 2267, Midland, Texas 79702

4. Location of Well

UNIT LETTER I LOCATED 1940 FEET FROM THE south LINE AND 660 FEET FROM

THE east LINE OF SEC. 32 TWP. 22S RGE. 28E NMPM

15. Date Spudded 6-23-82 16. Date T.D. Reached 8-10-82 17. Date Compl. (Ready to Prod.) 8-23-82

18. Elevations (DF, RKB, RT, GR, etc.) 3033.3' GR 19. Elev. Casinghead 3033.3'

20. Total Depth 12,584' 21. Plug Back T.D. 12,524' 22. If Multiple Compl., How Many

23. Intervals Drilled By Rotary Tools Cable Tools X

24. Producing Interval(s), of this completion - Top, Bottom, Name

12,063' - 12,497' (Morrow)

25. Was Directional Survey Made No

26. Type Electric and Other Logs Run

Comp. Neutron-Formation Density & Composite of Dual Laterolog & Dual Ind.-SFL

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#	474'	17-1/2"	500 HLW & 200 C1 C	Circ.
9-5/8"	40 & 47#	2465'	12-1/4"	1350 HWL & 400 C1 C	Circ.
7"	23#	10950'	8-1/2"	625 TLW & 525 C1 H	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4-1/2"	10,705'	12,582'	350 C1H	-	2-3/8"	10,705'	ISA 10,705'

30. TUBING RECORD

PERFORATION RECORD (Interval, size and number)	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
12,347' - 12,497' (.25" 22)	DEPTH INTERVAL
12,063' - 12,125' (.29" 15)	AMOUNT AND KIND MATERIAL USED
	12347-12497 5000 gal 7-1/2% Morrow acid
	12063-12135 4000 gal acid

31. PRODUCTION

Date First Production 9-11-82 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) SI

Date of Test 9-16-82 Hours Tested 24 Choke Size 32/64" Prod'n. For Test Period 1 (Trace) 840

Flow Tubing Press. 750 Casing Pressure Sealed Calculated 24-hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio 840

Oil Gravity - API (Corr.) 36.0

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

35. List of Attachments C-104, 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

TITLE Regulatory Analyst

DATE 9/20/82

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		
Rustler			Cherry Canyon	3238'	
T. Anhy	450'	T. Canyon Marker	3500'	T. Ojo Alamo	T. Penn. "B"
T. Salt		T. Strawn	11066'	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt		T. Atoka	11308'	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 Qizte
T. Glorieta		T. McKee		Base Greenhorn	T. Granite
T. Paddock		T. Ellenburger		T. Dakota	
T. Blinberry		T. Gr. Wash		T. Morrison	
T. Tubb		T. Granite		T. Todilto	
T. Drinkard		T. Delaware	2452'	T. Entrada	
T. Abo		T. Bone Springs	5926'	T. Wingate	
T. Wolfcamp	9365'	T. Brushy Canyon	3906'	T. Chinle	
T. Penn.		T. 1st Bone Spgs Sd.	6985'	T. Permian	
T. Cisco (Bough C)		T. Morrow Lime	11763'	T. Penn. "A"	
		T. Morrow Clastics	11908'		

OIL OR GAS SANDS OR ZONES

No. 1, from	12063	to	12497	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	641	641	Redbeds, Anhy				
641	2200	1559	Anhy				
2200	2998	798	Anhy, Salt				
2998	6314	3316	Sand, Shale				
6314	11752	5438	Lime, Sand, Shale				
11752	12053	301	Shale, Lime, Chert, Sand				
12053	12159	106	Sand, Shale, Lime				
12159	12584	425	Sand, Shale				