

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
Regulatory Analyst

Administrative Order TX-108

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.

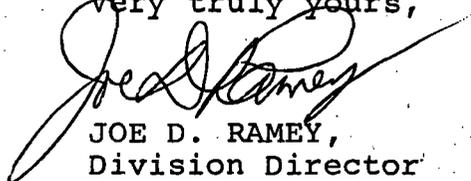
Pursuant to the authority granted me by Rule 107(d)(4), you are hereby authorized to set tubing at 12,723 feet in the following well:

Well Name and Number: Pitchfork 34 Federal Com Well No. 1

Location: NW/4 SW/4, Sec. 34, T-24-S, R-34-E, NMPM
Lea County

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

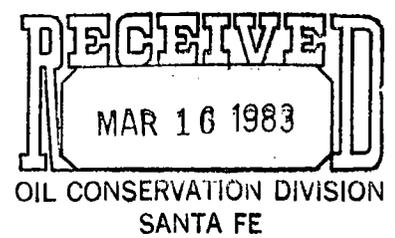
JDR/RLS/h

cc: Oil Conservation Division - Hobbs
Well File
Minerals Management Service - Roswell

PV2V2005029748



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



March 14, 1983

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

Attn: Mr. Dan Nutter

In RE: Pitchfork 34 Federal Com., Well No. 1
Sec. 34, T24S, R34E, Lea County, NM

Dear Mr. Nutter:

Tubing for the above-named well has been set at 12,723 feet, and casing perforated from 15,031 to 15,038 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

Betty Gildon
Regulatory Analyst

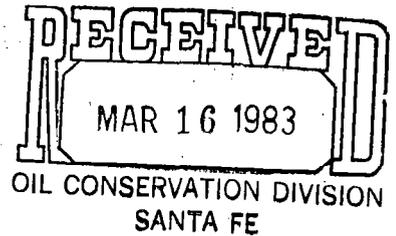
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enclosures



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

March 14, 1983



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

Re: Pitchfork 34 Federal Com., Well No. 1
Sec. 34, T24S, R34E, Lea County, NM

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

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR.

2. NAME OF OPERATOR
HNG OIL COMPANY

3. ADDRESS OF OPERATOR
Box 2267, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FSL & 660' FWL
At top prod. interval reported below Same
At total depth Same

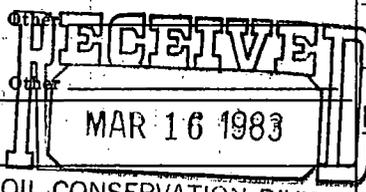
5. LEASE DESIGNATION AND SERIAL NO.
16138

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Pitchfork 34 Federal Com.

9. WELL NO.
1



10. FIELD AND POOL, OR WILDCAT
Wildcat Morrow

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 34, T24S, R34E

12. COUNTY OR PARISH
Lea

13. STATE
NM

14. PERMIT NO. DATE ISSUED
10/22/82

15. DATE SPUDDED 11-11-82

16. DATE T.D. REACHED 1-22-83

17. DATE COMPL. (Ready to prod.) 2-15-83

18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3394' GR

19. ELEV. CASINGHEAD 3394'

20. TOTAL DEPTH, MD & TVD 15,435'

21. PLUG, BACK T.D., MD & TVD 15,040'

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 (MD AND TVD)*
15031 - 15038 (Morrow)

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Compensated Neutron-Formation Density, BHC Sonic, Composite of Dual

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well) Laterolog and Dual Induction.

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	43#	600'	17-1/2"	265 Pacesetter Lite & 250	Cl C Circ.
9-5/8"	36#	5250'	12-1/4"	2575 Pacesetter Lite & 425	Cl C Circ.
7"	26#	13250'	8-3/4"	750 Pacesetter Lite & 375	CL H -

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	12721	15435	475 Cl H	-	2-7/8"	12,723'	12,723'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

15024 - 15046 & 15053 - 15056 (.34" 20 shts/ft)

15057 - 15062 (.34" 6)

15031 - 15038 (.34" 6)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
15024-15062	Sq. w/250 sx. Cl H .5% Halad 22, .4% CFR2, 15.6 ppg tested to 6000#
15031-15038	2500 gals 7.5% Morflo BC Acid

33. PRODUCTION

DATE FIRST PRODUCTION 3-11-83

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing

WELL STATUS (Producing 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
3-11-83	24	18/64"	→	0	3000	.01	-

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
80	Sealed	→				-

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Betty G. Aldon TITLE Regulatory Analyst DATE 3/14/83

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
	0	2850	Surf, Anhy, Lime
	2850	4055	Anhy, Salt
	4055	4392	100% Anhy
	4392	5090	Anhy, Lime
Delaware Mtn. Grp.	5090	5670	100% Anhy
Cherry Canyon	5670	6685	100% Sand
Leonard & Bone	6685	9735	Lime, Shale, Sand
Springs	9735	10415	Lime, Chert
Wolfcamp	10415	12385	Lime, Shale, Sand, Chert
Penn., Strawn & Atoka	12385	14090	Lime, Shale
	14090	14147	Lime, Shale, Chert
Morrow	14147	15435	Lime, Sand, Shale

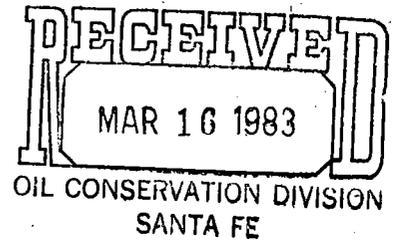
38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware Mtn. Grp.	5322	
Cherry Canyon	6288	
Cherry Canyon Marker	6510	
Leonard	9085	
Bond Springs Lime	9233	
1st Bone Spgs. Sand	10218	
Wolfcamp	12132	
Penn.	13542	
Strawn	13572	
Atoka	13718	
Morrow Lime	14224	
Morrow Clastics	14424	



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March 14, 1983



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

Attn: Mr. Joe D. Ramey
Secretary Director

In Re: Pitchfork 34 Federal Com., Well No. 1
Sec. 34, T24S, R34E, Lea County, NM

Dear Mr. Ramey:

Please find enclosed copy of a letter to Mr. Dan Nutter dated 3/14/83, requesting an exception to the tubing-setting requirements contained in Division Rule 107(d).

To avoid delay in placing this well on stream, temporary approval of the above-named exception is requested.

Your early attention is appreciated.

Very truly yours,

HNG OIL COMPANY

Betty A. Gildon
Betty A. Gildon
Regulatory Clerk

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enclosures