STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

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

September 19, 1983

HNG OIL COMPANY
P.O. Box 2267
Midland, Texas 79702

Attention: Betty Gildon
Regulatory Analyst

Administrative Order TX-112

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 12,941 feet in the following well:

Well Name and Number: Marshall 29 Federal Well No. 1

Location: 1980 feet FNL - 990 feet FWL of Section 29, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico.

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/MES/dr

cc: Oil Conservation Division - Hobbs
Well File
Bureau of Land Management - Roswell

pVEV2005030702

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

August 23, 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: Marshall 29 Federal, Well No. 1
NM 28881
Sec. 29, T24S, R34E
Lea County, New Mexico

Dear Mr. Ramey:

Please find enclosed copy of a letter to Mr. Dan Nutter dated 8/23/83, 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
Regulatory Clerk

bg

enclosures

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

August 23, 1983

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

Attn: Mr. Dan Nutter

In Re: Marshall 29 Federal, Well No. 1, NM 28881,
Sec. 29, T24S, R34E, Lea County, New Mexico.

Dear Mr. Nutter:

Tubing for the above-named well has been set at 12,941 feet, and casing perforated from 14,922 to 14,968 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

Betty a. Gildon

Betty Gildon
Regulatory Analyst

bg

Enclosures

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

August 23, 1983

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

In Re: Marshall 29 Federal #1
NM 28881
Sec. 29, T24S, R34E
Lea County, New Mexico

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 Eng.

George M. Hover
Completion Engineer

GMH/bg

Form 9-330
(Rev. 5-63)

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*

5. LEASE DESIGNATION AND SERIAL NO.: NM 28881

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Marshall 29 Federal

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Pitchfork Ranch Morrow

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 29, T24S, R34E

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ XX DRY ☐ Other

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

RECEIVED
AUG 29 1983
OIL CONSERVATION DIVISION
SANTA FE

2. NAME OF OPERATOR: HNG OIL COMPANY

3. ADDRESS OF OPERATOR: P. O. Box 2267, Midland, Texas 79702

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1980' FNL & 990' FWL
At top prod. interval reported below: Same
At total depth: Same

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
-	5-13-83	Lea	NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
6-19-83	8-11-83	8-19-83	3518.8' GR	3518.8'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
15,300'	15,242'		→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 14,922' - 14,968' (Morrow)

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Comp. Density, Comp. Neutron, Dual Laterolog, Dual Induction Laterolog

27. WAS WELL CORED: No

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48	610	17-1/2	250 lite & 250 Cl C	Circ.
9-5/8	36 & 40	5220	12-1/4	2000 lite & 475 Cl C	Circ.
7	26	13250	8-3/4	600 lite & 325 Cl H	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2	13220	15300	505	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	12941	MWL Seal Assmbly at 12,941

31. PERFORATION RECORD (*Interval, size and number*): 14,922 - 14,968 (.30", 15)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
14922-14968	3000 gals 7-1/2% MS Acid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
8-16-83	Flowing	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-17-83	24	10/64"		3	1500	0	500

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
2400	sealed					31.0

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 Gildon TITLE Regulatory Analyst DATE 8/23/83

Betty Gildon

*(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	600	surface
	600	1600	Anhy
	1600	3800	Salt, Anhy
	3800	4212	Anhy
	4212	4960	Lime, Anhy
	4960	5170	Salt
	5170	5700	Anhy
	5700	6725	Sand
	6725	8500	Sand, Lime
	8500	9415	Sand, Shale, Lime
	9415	10235	Lime, Shale
	10235	12800	Lime, Sand, Shale
	12800	13597	Shale
	13597	13720	Shale, Chert, Lime
	13720	14232	Lime, Shale
	14232	14526	Lime, Sand, Shale
	14526	14732	Lime, Sand, Shale, Chert
	14732	14942	Lime, Shale
	14942	15300 TD	Sand, Shale Lime

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Delaware	5300	
Cherry Canyon	6268	
Cherry Canyon Mrk	6524	
Bone Springs	9222	
Wolfcamp	12190	
Strawn	13548	
Atoka	13698	
Morrow Lime	14100	
Morrow Clastics	14370	

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