STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

June 3, 1987

GARREY CARRUTHERS
GOVERNOR

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

Enron Oil and Gas Co.
P. O. Box 2267
Midland, Texas 79702

Attention: Betty Gildon

Administrative Order TX-179

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 12,938 feet in the following well:

Madera 28 Federal Com. Well No. 2
Unit N, Sec. 28, T-24-S, R-34-E, 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,

WILLIAM J. LEMAY,
Director

WJL/REJ/dr

cc: Oil Conservation Division - Hobbs

PVEV2005139531

ENRON
Oil & Gas Company
P.O. Box 2267 Midland, Texas 79702 (915) 686-3600

May 27, 1987

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

Attn: Mr. William J. LeMay
Division Director

In Re: Madera 28 Federal Com. #2
Sec. 28, T24S, R34E
Lea County, New Mexico
NM #15684

Dear Mr. LeMay:

Tubing for the above-named well has been set at 12,938 feet, and casing perforated from 13,869 to 13,875 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

Enron Oil & Gas Company

Betty Gildon
Regulatory Analyst

BG

enclosure

ENRON
Oil & Gas Company

P. O. Box 2267 Midland, Texas 79702 (915) 686-3600

May 27, 1987

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

Re: Madera 28 Federal Com. #2

Attn: Mr. William J. LeMay
Division Director

Dear Mr. LeMay:

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, 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 Enron Oil & Gas 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

George M. Hover
Division Drilling Engineer

GMH/bg

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM 15684

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

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

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Madera 28 Federal Com.

2. NAME OF OPERATOR: Enron Oil & Gas Company

9. WELL NO.: 2

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

10. FIELD AND POOL, OR WILDCAT: Pitchfork Ranch (Atoka)

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 660' FSL & 2200' FWL
At top prod. interval reported below: Same
At total depth: Same

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 28, T24S, R34E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
CER #117	2/17/87	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
3/10/87	4/23/87	5/12/87	3454.8' GR	3454.8'

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
13,945'	13,906'		→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 13869-13875 Atoka

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: DIT, FDC-CNT

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
11-3/4"	42#	623'	15-1/4"	250 DLW & 165 C1 C	Circulated
8-5/8"	32#	5210'	10-5/8"	1350 DLW & 275 C1 C	Circulated
5-1/2"	20#	13300'	7-7/8"	950 DLW & 450 C1 H	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
3-1/2"	12997'	13944'	110 C1 H	-

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	12938	PBR 12938

31. PERFORATION RECORD (*Interval, size and number*): 13869 - 13875 (.41" 7)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
13869-13875	None

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
5/12/87	Flowing	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/12/87	24	16/64"		72	1800	0	25

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
2130	Sealed					35.0

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 (Betty Gildon) TITLE Regulatory Analyst DATE 5/27/87

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

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.
Rustler	0	1175	Surf Rock
	1175	2575	Anhy
Delaware	2575	5820	Anhy, Salt
	5820	7375	Sand
	7375	7700	Sand, Lime
	7700	8450	Sand, Shale
Cherry Canyon &	8450	9135	Lime, Sand, Shale
Leonard & Bone Sp.	9135	9525	Sand
	9525	11325	Lime, Shale
Bone Spring & Wlfcp	11325	12350	Sand, Lime, Shale
	12350	13300	Shale, Lime
	13300	13418	Shale
	13418	13540	Shale, Lime
Strawn	13540	13617	Shale, Chert, Lime
Strawn & Atoka	13617	13884	Lime, Shale
	13884	13940	Shale, Lime, Sand
	13940	13945	Shale, Lime

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Rustler	1064	
Delaware	5347	
Cherry Canyon	6320	
Leonard	9084	
Bone Spring Lm	9279	
Wolfcamp	12134	
Strawn	13544	
Atoka	13685	
Atoka Sand	13868	