STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

February 9, 1988

Enron Oil and Gas Company
P.O. Box 2267
Midland, TX 79702

Attention: Betty Gildon

Administrative Order TX-185

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 12,889 feet in the following well:

WELL NAME: Brinninstool Federal Well No. 1

LOCATION: Unit O, Section 21, Township 25 South, Range 33 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,

WILLIAM J. LEMAY
Director

WJL/REJ/ag

cc: Oil Conservation Division - Hobbs

pVEV2005152128

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

January 18, 1988

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

Attn: Mr. William J. Lemay
Division Director

In Re: Brinninstool 21 Federal #1 - NM 26394
660' FSL & 1980' FEL, Sec. 21, T25S, R33E
Lea County, New Mexico

Dear Mr. LeMay:

Tubing for the above-named well has been set at 12,889 feet, and casing perforated from 15,759 to 15,766 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

Enron Oil & Gas Company

Betty Gildon

Betty Gildon
Regulatory Analyst

BG

enclosures

ENRON
Oil & Gas Company

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

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

January 18, 1988

Re: Brinninstoll 21 Federal #1
Lea County, NM

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 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,

Betty Gildon

Betty Gildon
Regulatory Analyst

GMH/bg

enclosure

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 26394

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT 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

8. FARM OR LEASE NAME: Brinninstool 21 Federal

2. NAME OF OPERATOR: Enron Oil & Gas Company

9. WELL NO.: 1

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

10. FIELD AND POOL, OR WILDCAT: Wildcat Morrow

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

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 21, T25S, R33E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
-	9-11-87	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
10-5-87	12-27-87	1-7-88	3364.0' GR	3364'

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
16,050'	15,954'		→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 15759 - 15766

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: CNL/LDT, BHC DIL, DLL Sonic, RFT

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#	640'	17-1/2"	325 HLW & 325 Cl C	Circulated
9-5/8"	40 & 36#	4875'	12-1/4"	1900 HLW & 475 Cl C	Circulated
7"	26#	13264'	8-1/2"	1100 Lite & 325 Cl H	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2"	12,889'	16,047'	425 Cl H	-

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	12,889'	PBR 12,889'

31. PERFORATION RECORD (*Interval, size and number*): 15,759 - 15,766 (.33" 14)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
15759 - 15766	None

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
1-8-88	Flowing	shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-12-88	24	10/64"		0	3200	0	0

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
7705	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 Gildon (Betty Gildon) TITLE Regulatory Analyst DATE 1/18/88

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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	555	Red Bed & Anhy
	555	640	Anhy
Delaware	640	6020	Salt, Anhy, Lime
Delaware, Brushy Can, Cherry Canyon, Bone Sp	6020	9172	Sand, Shale, Lime
Bone Springs	9172	9500	Lime
Bone Springs	9500	10330	Lime, Shale
BS, WLFCP	10330	12726	Lime, Shale, Sand
Wolfcamp	12726	12780	Lime, Chert, Shale
Wlfcp	12780	13266	Shale, Lime, Sand
Wlfcp	13266	13380	Shale, Lime, Chert
Wlfcp, Strawn	13380	14290	Shale, Lime
Strawn	14290	14395	Shale, Lime, Chert
Strawn & Atoka	14395	14535	Shale, Dolomite
Atoka & Morrow	14535	14910	Lime, Shale, Sand, Chert
Morrow, Warren, Sinat	14910	15270	Shale, Lime, Sand
Sinatra, Morrow	15270	15695	Shale, Lime, Sand, Chert
Morrow	15695	16050	Shale, Sand, Lime

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	4950	
Cherry Canyon Mrkr	6278	
Brushy Canyon	7535	
Bone Springs Lime	9086	
1st BS Sand	10100	
2nd BS Sand	10681	
3rd BS Sand	11786	
Wlfcp Marker	12602	
Strawn	14153	
Atoka Shale	14400	
Atoka Carb Bank	14507	
Morrow Lime	14786	
Warren Sand	15092	
Sinatra Sd Series	15200	
Middle Morrow Shale	15548	
"D" 1 Sand	15757	
"D" 2 Sand	15915	