



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

September 19, 1988

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

Attention: Betty Gildon

Administrative Order TX-189

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 7997 feet in the following well:

Well Name and Number: Sand 7 Federal Well No. 1

Location: Unit K, Section 7, Township 18 South, Range 31  
East, NMPM, Eddy County, New Mexico.

The Division reserves the right to rescind this authority in the event that waste appears to be resulting therefrom.

Sincerely,

A handwritten signature in dark ink, appearing to read "William J. LeMay", written over a horizontal line.

William J. LeMay  
Director

WJL/REJ/ag

cc: Oil Conservation Division - Artesia

PV2V2005152467

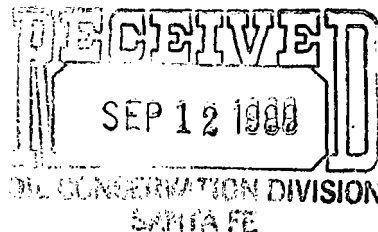
OK w/ Mike  
9-15-88

# ENRON

## Oil & Gas Company

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

September 7, 1988



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

Attn: Mr. William J. LeMay  
Division Director

In Re: Sand 7 Federal #1 - NM 33437A  
1980' FSL & 2121' FWL  
Sec. 7, T18S, R31E  
Eddy County, New Mexico

297

Dear Mr. LeMay:

In order to avoid a high-sand deliverability after frac,  
tubing for the above-named well has been set at 7997 feet.  
Casing is perforated from 8294 to 8356 feet.

This office requests administrative exception to Rule 107d.  
Your early attention is appreciated.

Very truly yours,

Enron Oil & Gas Company

A handwritten signature in cursive script, appearing to read "Betty Gildon".

Betty Gildon  
Regulatory Analyst  
(915) 686-3714

BG

enclosure

OPERATOR'S COPY

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

RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.

NM 33437-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

7. FARM OR LEASE NAME

Sand 7 Federal

8. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Shugart, North Bone Spring

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 7, T18S, R31E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

1a. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REMVR. ☐ Other

2. NAME OF OPERATOR

Enron Oil & Gas 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' FSL & 2121' FWL

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

30-015-25901

DATE ISSUED

4-12-88

15. DATE SPUDDED

6-20-88

16. DATE T.D. REACHED

7-9-88

17. DATE COMPL. (Ready to prod.)

7-23-88

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

3605.5' GR

19. ELEV. CASINGHEAD

3605.5'

20. TOTAL DEPTH, MD & TVD

8635'

21. PLUG, BACK T.D., MD & TVD

8539'

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 (MD AND TVD)\*

8294 - 8356 (Bone Spring)

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

SDL-DSN, DLLMG

27. WAS WELL COBED

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#	640'	17-1/2"	650 RFC & 300 C1 C	Circulated
8-5/8"	24#	2510'	11"	450 65/35 Poz & 200 C1 C	Circulated
5-1/2"	17#	8635'	7-7/8"	1200 35/65 poz & 350 C1 H	Circulated

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	7932'	
						7997'	

31. PERFORATION RECORD (Interval, size and number)

8294' - 8356' (.50" 24)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8294-8356	3000 gals 7-1/2% NeFe acid & Frac w/100,000 gal & 250,000# 16/30 sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
8-17-88		Pumping (2-1/2" x 1-1/2" x 20' RHBC)				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-18-88	24	-	→	86	155	30	1802
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-	SICP 550#	→				39.0	

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

Vented

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs

ACCEPTED FOR RECORD

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

AUG 31/1988

DATE

\*(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):

38.

# GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
	0	647	Surface Rock & Red Bed			
	647	1702	Red Bed, Salt & Anhydrite			
Yates	1702	2150	Anhy	Rustler Anhy	444	
Queen & Greyburg	2150	3640	Anhy & Dolomite	Yates	1811	
Grbg & San Andres	3640	4412	Dolo	Queen	2960	
San Andres	4412	5042	Dolo & Lime	Greyburg	3434	
"	5042	5434	Dolo & Shale	San Andres	4050	
"	5434	5696	Dolomite	1st Bone Sp Sand	7303	
"	5696	6010	Lime, Shale	2nd Bone Sp Sand	7866	
"	6010	6782	Lime	2nd BS Carbonate	8513	
"	6782	6993	Lime & Shale			
SA & Bone Spring	6993	7383	Lime			
Bone Spring	7383	8020	Shale & Dolo			
"	8020	8447	Dolo, Shale, Chert			
"	8447	8635	Sand, Shale			
"	TD 8635		100% Dolomite			