



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

July 16, 1996

Enron Oil & Gas Company
P. O. Box 2267
Midland, TX 79702
Attention: Betty Gildon

Administrative Order TX-243

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 make a tubingless completion in the following well:

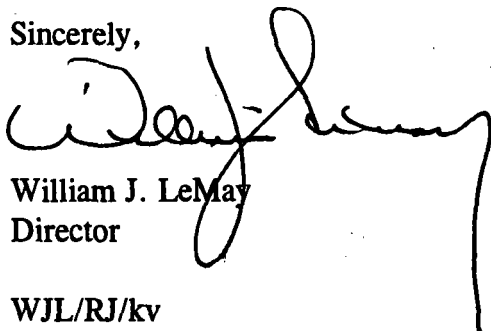
Well Name and Number: Sand Tank 7 Federal Com Well No. 1

Location: Section 7, Township 18 South, Range 30 East, NMPM,
Eddy County, New Mexico

Remarks: When well ceases to flow production tubing will be required.

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

Sincerely,


William J. LeMay
Director

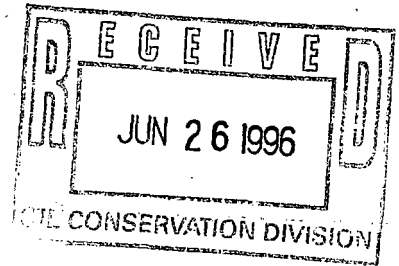
WJL/RJ/kv

cc: Oil Conservation Division - Artesia

PV2V2605630950

ENRON
Oil & Gas Company

P. O. Box 2267 Midland, Texas 79702 (915) 686-3600
June 17, 1996



Mr. William J. LeMay, Director
New Mexico Oil Conservation Commission
2040 S. Pacheco St
Santa Fe, New Mexico 87505-5472

Re: Sand Tank 7 Fed Com. #1
Sec 7, T18S, R30E
Sand Tank Field
Eddy County, New Mexico

Dear Mr. LeMay:

Enron Oil & Gas respectfully requests your approval to complete and produce the above-referenced well from the Bone Spring formation (perforations 11189-11243) without the use of production tubing . The referenced well contains the following tubulars:

<u>CASING</u>	<u>GRADE</u>	<u>DEPTH</u>	<u>TOP OF CEMENT</u>
11-3/4"	H-40	645	Circulated
8-5/8"	J-55	3955	Circulated
5-1/2"	CF-95, N-80, & L-80	11835	

The well was fracture treated via the 5-1/2" production casing and has been allowed to flowback through that casing to achieve faster cleanup and to minimize the risk of formation damage. Our plans are to install 2-7/8" production tubing when the well ceases to flow, which should occur within the first year or two of production.

We believe this "tubingless" completion technique is completely safe and effective for the following reasons:

- The well is in a known producing field
- No corrosive or pressure problems are know to exist
- The well is a single completion
- The 5-1/2" production string has been cemented into the base of the 8-5/8" casing
- The 5-1/2" is very high strength casing
- The stabilized after-frac flowing tubing pressures are low (less than 1,000 psig)
- The technique lowers the cost of the completion, thereby improving the economics of the project

Thank you for your consideration of this request. If you need additional information, please contact me.

Sincerely,

Betty A. Gildon

Betty A. Gildon
Regulatory Analyst

cc: NMOCD-HOBBS

FD-3163-4
(July 1992)

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

FORM APPROVED
OMB NO. 1024-0137
Expires: February 23, 1995

8. LEASE DESIGNATION AND SERIAL NO.

LC 047269-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

9. FARM OR LEASE NAME, WELL NO.

Sand Tank 7 Fed Com. #1

9. API WELL NO.

30 025 28870

10. FIELD AND POOL, OR WILDCAT

Sand Tank Morrow

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

Sec 7-18S-30E

12. COUNTY OR
PARISH

Eddy

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

2. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ PERM. ☐ PLUG BACK ☒ DIFF. PERM. ☐ Other _____

2. NAME OF OPERATOR

Enron Oil & Gas Company

3. ADDRESS AND TELEPHONE NO.

P. O. Box 2267, Midland, Texas 79702 (915) 686-3714

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

990' FNL & 990' FWL

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

3-11-96

15. DATE STUDDER

6-9-96

16. DATE T.D. REACHED

6-12-96

17. DATE COMPL. (Ready to prod.)

6-14-96

18. ELEVATIONS (OF. KKB, RT, GS, ETC.)*

3526' GR

19. ELEV. CASINGHEAD

3526'

20. TOTAL DEPTH, MD & TYD

11835

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

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TYD)*

11189-11243 (Morrow)

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

N/A

27. WAS WELL CORRED

No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
11-3/4 H-40 ST&C	42#	645	14-3/4	350 Prem Plus	Circulated
8-5/8 J-55 ST&C	32#	3955	11	1325 Prem Plus	Circulated
5-1/2 CF-95, N-80	17#	11835	7-7/8	1665 Premium	
& L-80 LT&C					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
None		

31. PERFORATION RECORD (Interval, size and number)

11673-11693 (.37" 120)

11240-11243 (.38" 19)

11219-11232 (.38" 79)

11189-11203 (.38" 85)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11673-11693	Blanking Plug on N profile
	on top of 5-1/2" x 2-7/8" PLS pk1
11189-11243	None @ 11,579'

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6-14-96		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-16-96	24	30/64	→	151	3600	0	23,841
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL CREATIVITY-API (CORR.)	
-	1700	→				42.0	

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

Sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

None

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

SIGNATURE Betty Gildon TITLE Regulatory Analyst

DATE 6/17/96

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

27. 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):

28.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Queen	0	1645	Anhy, Shale
Grayburg	1645	2480	Anhy
San Andres	2480	3100	Anhy, Dolo
San Andres-Bone Sp	3100	3955	Dolomite
Bone Spring	3955	5805	Lime, Chert
Bone Spring	5805	6315	Lime, Dolo
Bone Spring	6315	6855	Sand, Dolo
Bone Spring	6855	7315	Dolomite
Bone Spring	7315	7765	Dolo, Sand, Shale
Bone Spring, Wlfcp	7765	8956	Dolomite
Wolfcamp, Strawn &	8956	10720	Shale, Lime
Atoka	10720	11030	Chert, Lime, Shale
Atoka	11030	11280	Limestone, Sand, Shale, Chert
Atoka, Morrow	11280	11535	Shale, Lime
Morrow, Miss Chester	11535	11835	Shale

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Queen	2310	
Grayburg	2682	
San Andres	3168	
Bone Spring	4218	
1st Bone Sp Sd	6616	
2nd Bone Sp Sd	7346	
3rd Bone Sp Sd	8368	
Wolfcamp	8601	
Strawn	10340	
Atoka	10591	
Lower Morrow	11318	
Miss Chester	11669	