



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

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

January 14, 1997

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

Administrative Order TX-259

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:

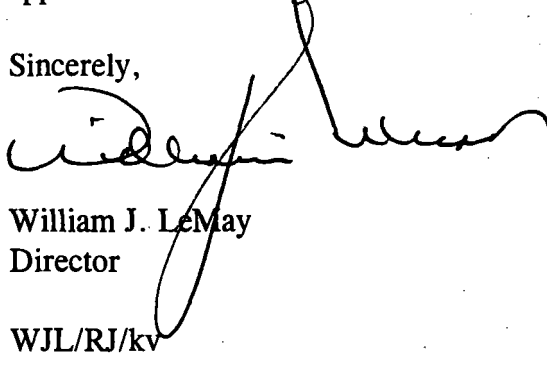
Well Name and Number: Sand Tank 6 Federal Well No. 1 (API No. 30-015-28983)

Location: Unit G, Section 6, Township 18 South, Range 30 East, NMPM, Eddy County, New Mexico

Remarks: When well ceases to flow hydrocarbon liquids 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

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OIL CONSERVATION DIVISION
RECEIVED

ENRON
Oil & Gas Company

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

January 2, 1997

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

Re: Sand Tank 6 Federal #1
Sec 6, T18S, R30E
Sand Tank Atoka 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 Atoka formation (perforations 10763 - 10788) 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	655	Circulated
8-5/8"	J-55	3950	Circulated
5-1/2"	CF-95/N-80	11765	

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



Regulatory Analyst

cc: NMOCD-HOBBS

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 23, 1995

4. LEASE DESIGNATION AND SERIAL NO.

NM 021095

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Sand Tank 6 Federal #1

9. API WELL NO.

30 015 28983

10. FIELD AND POOL OR WILDCAT

Sand Tank Atoka

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

Sec 6, T18S, R30E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ REPAIR ☐ PLUG BACK ☐ DIFF. CEMENT ☐ Other Added Atoka Form

2. NAME OF OPERATOR

Enron Oil & Gas Company

3. ADDRESS AND TELEPHONE NO.

P. O. Box 2267, Midland, Texas 79702 (915) 686-3723

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

At surface

1980' FNL & 1650' FEL

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

12-20-96

16. DATE T.D. REACHED

12-20-96

17. DATE COMPL. (Ready to prod.)

12-24-96

18. ELEVATIONS (OF, RKS, ST, CR, ETC.)

3554' GR

19. ELEV. CASINGHEAD

3554'

20. TOTAL DEPTH, MD & TVD

11765

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

11743

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 TVD)

10763-10788 (Atoka)

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

None

27. WAS WELL CURED

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 FULLED
11-3/4 H-40 ST&C	42#	655	14-3/4	350 sx Prem Plus	Circulated
8-5/8 J-55 ST&C	32#	3950	11	1350 sx Prem Plus	Circulated
5-1/2 CF-95 LT&C	17#	11765	7-7/8	1180 sx Prem	
& N-80 LT&C					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					None		

31. PERFORATION RECORD (Interval, size and number)

10763-10788 (.36" 128)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10763-10788	None

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12-24-96		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
12-25-96	24	20/64	→	371	9941	9	26.795
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL CREATIVITY-API (CORR.)	
-	2500	→				39.0	

34. DISPOSITION OF GAS (Sold, 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.

SIGNED

Hal Crabb

Hal Crabb

TITLE Production Engineer

DATE 12/31/96

(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):

38.

GEOLOGIC MARKERS

[illegible]