



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

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

August 12, 1996

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

Administrative Order TX-245

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: James Ranch Unit Well No. 73

Location: Section 5, Township 23 South, Range 31 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

PV2V2005631079

ENRON
Oil & Gas Company

OIL CONSERVATION DIVISION
RECEIVED

'96 AUG 19 AM 8 52

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

August 16, 1996

State of New Mexico
Oil Conservation Division
Energy, Minerals & Natural Resources Dept.
2040 S. Pacheco
Santa Fe, NM 87505

Attn: William J. LeMay
Director

In Re: Administrative Order TX-245
James Ranch Unit Well No. 73
Sec 5, T23S, R31E
Eddy County, NM

Dear Mr. LeMay:

Sorry for any inconvenience, however, we did run tubing in this well on Sunday, August 4th. I called your office to try and have the application for tubing exception tossed, but with all the paperwork we all deal with these days, I guess my message got lost in the shuffle.

Again, sorry if this mixup caused you any problems.

Very truly yours,

ENRON OIL & GAS COMPANY



Betty Gildon
Regulatory Analyst

bg



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Sincerely,

A handwritten signature in black ink, appearing to read "William J. LeMay".

William J. LeMay
Director

WJL/RJ/kv

cc: Oil Conservation Division - Artesia

CONFIDENTIAL

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 28, 1995

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 DEEP EN PLUG BACK DIFF. EMVR. 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 330' FNL & 1980' FWL
 At top prod. interval reported below 330' FNL & 1980' FWL
 At total depth 330' FNL & 1980' FWL

14. PERMIT NO. - DATE ISSUED 4-23-96

15. DATE STUDDED 6-29-96 16. DATE T.D. REACHED 7-14-96 17. DATE COMPL. (Ready to prod.) 7-30-96 18. ELEVATIONS (DF, RKB, BT, CR, ETC.)* 3313' GR 19. ELEV. CASINGHEAD 8313'

20. TOTAL DEPTH, MD & TVD 11331 21. PLUG, BACK T.D., MD & TVD 11248 22. IF MULTIPLE COMPL. HOW MANY* - 23. INTERVALS DRILLED BY ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 11166-11174 (Wolfcamp) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-HRI-DFL, GR-DSN-SDL 27. WAS WELL CORED No

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 | 40.6 | 563 | 17-1/2 | 310 sx Prem | Circulated |
| 8-5/8 J-55 ST&C | 32 | 3825 | 12-1/4 | 1075 sx Prem Plus | Circulated |
| 5-1/2 CF-95 & P-110 LT&C | 17 | 11331 | 7-7/8 | 1000 sx Prem 50/50 poz | TOC 3125 |

| 29. LINER RECORD | | | | | 30. TUBING RECORD | | |
|------------------|----------|-------------|---------------|-------------|-------------------|----------------|-----------------|
| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
| | | | | | 2-7/8 | 11102 | |

| 31. TREATMENT RECORD (Interval, size and number) | | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | |
|--|-----------|--|--|
| INTERVAL | SIZE | DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
| 11166-11174 | (.40" 33) | 11166-11174 | 3639 gals linear gel, 1008 gals 7-1/2% HCl, 38,556 gals SFG 3000, 39,480 gals SFG 3500, 241,760# 20/40 Ottawa & 48,000# 20/40 SB |

| 33. PRODUCTION | | | | | | | |
|-----------------------|-----------------|--|-------------------------|----------|------------|------------------------------------|---------------|
| DATE FIRST PRODUCTION | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | | | | WELL STATUS (Producing or shut-in) | |
| 7-31-96 | | Flowing | | | | Ultra sand Producing | |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BSL. | GAS—MCF. | WATER—BSL. | GAS-OIL RATIO |
| 8/10/96 | 24 | 28/64 | → | 92 | 73 | 50 | 793 |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BSL. | GAS—MCF. | WATER—BSL. | OIL GRAVITY-API (CORR.) | |
| 80 | 1450 | → | | | | 39.8 | |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold 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
 Betty Gildon TITLE Regulatory Analyst DATE 8/16/96

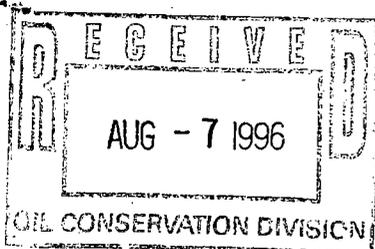
*(See Instructions and Spaces for Additional Data on Reverse Side)

17. 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 | 3485 | Anhydrite, Salt | | | |
| Delaware | 3485 | 3954 | Lime, Anhydrite | Delaware | 3915 | |
| | 3954 | 5488 | Sand | Bone Spring | 7748 | |
| | 5488 | 6725 | Sand, Lime | Wolfcamp | 11100 | |
| | 6725 | 7682 | Limestone, Shale, Sand | | | |
| Delaware & | 7682 | 9104 | Lime, Shale | | | |
| Bone Spring | 9104 | 9734 | Shale | | | |
| | 9734 | 11110 | Lime, Shale | | | |
| Wolfcamp | 11110 | 11331 | Shale | | | |



ENRON
Oil & Gas Company

P. O. Box 2267 Midland, Texas 79701 August 3, 1996 (915) 686-3600

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

Re: James Ranch Unit No. 73
Sec 5, T23Sm R31E
Los Medanos 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 Wolfcamp formation (perforations 11166-11174) 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 | 563 | Circulated |
| 8-5/8" | J-55 | 3825 | Circulated |
| 5-1/2" | CF-95/P-110 | 11331 | 3125 |

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.

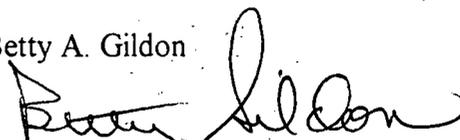
We believe this "tubingless" completion technique is completely safe and effective for the following reasons:

- 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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