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

May 31, 1988

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

Attention: Betty Gildon

Administrative Order TX-188

Gentlemen:

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 10,016 feet in the following well:

Well Name and Number: Queen Lake 36 State Com Well No. 1

Location: Unit I, Sec. 36, T-24S, R-28E, NMPM, Eddy 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 - Artesia

PVEV2005152403

ENRON
Oil & Gas Company

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

May 23, 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: Queen Lake 36 State Com. #1 - LG-5998
1980' FSL & 660' FEL, Sec. 36, T24S, R28E
Eddy County, New Mexico

Dear Mr. Lemay:

Tubing for the above-named well has been set at 10,016 feet, and casing perforated from 11,930 to 11,934 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

Enron Oil & Gas Company

Betty Gildon
Regulatory Analyst

BG

enclosures

ENRON
Oil & Gas Company
5/23/88
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

Re: Queen Lake 36 State Com. #1
LG-5998

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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-105
Revised 10-1-78

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [X] Fee [ ]
5. State Oil & Gas Lease No.: LG-5998

1a. TYPE OF WELL
b. TYPE OF COMPLETION
OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER
NEW WELL [XX] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:
8. Farm or Lease Name: Queen Lake 36 State Com.
9. Well No.: 1
10. Field and Pool, or Wildcat: Wildcat Strawn

2. Name of Operator: Enron Oil & Gas Company
3. Address of Operator: P. O. Box 2267, Midland, Texas 79702
4. Location of Well: UNIT LETTER I LOCATED 1980 FEET FROM THE south LINE AND 660 FEET FROM THE east LINE OF SEC. 36 TWP. 24S RGE. 28E NMPM
12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
2-2-88	4-14-88	5-5-88	2925' GR	2925'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
13,650'	11,975'		→	X	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 11,930' to 11,934' (Strawn)
25. Was Directional Survey Made: No
26. Type Electric and Other Logs Run: BHC, DLL, DLL/MSFL, CNL/FDC, CNL/LDT
27. Was Well Cored: No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	568'	17-1/2"	350 HLW & 250 Cl C	Circulated
9-5/8"	36#	2680'	12-1/4"	950 HLW & 525 Cl C	Circulated
7"	23#	10538'	8-3/4"	400 HLW & 300 Cl H	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
5-1/2"	10,013'	12,470'	400 Cl H	-

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	10,016'	ISA 10,016'

31. Perforation Record (Interval, size and number)
12153 - 12170 (.41" 18)
12132 - 12144 (.41" 7)
12094 - 12118 (.41" 13)
11930 - 11934 (.41" 8)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12153-12170	Cmt. ret at 12,149'
12094-12144	Sq. w/50 sx. Cl H - Tested to 6900 psi OK.
11930-11934	None

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
5-4-88	Flowing	SI

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas—Oil Ratio
5-4-88	24	5/64"		12	3348	6	279

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
6400	SI 3275					57.0

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Vented
Test Witnessed By:

35. List of Attachments: Logs; C-104 & Inclination Survey to follow.

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Betty Gildon Betty Gildon TITLE Regulatory Analyst DATE 5/23/88

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill-stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Cherry Canyon Mrkr. 3709'	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn 11710'	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 11870'	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand 2687'	T. Entrada	T.
T. Abo	T. Bone Springs Lime 6420'	T. Wingate	T.
T. Wolfcamp 9634'	T. Brushy Canyon 5110'	T. Chinle	T.
T. Penn. 11464'	T. Morrow Clastics 12728'	T. Permian	T.
T Cisco (Bough C)	T.	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from Atoka 12,094 to 12,170 No. 4, from ____ to ____

No. 2, from Strawn 11,930 to 11,934 No. 5, from ____ to ____

No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from None to ____ feet. ____

No. 2, from ____ to ____ feet. ____

No. 3, from ____ to ____ feet. ____

No. 4, from ____ to ____ feet. ____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	843	843	Surface rock	11618	11693	75	Shale
843	1537	694	Anhydrite & Sand	11693	12424	731	Shale, Lime
1537	2680	1143	Anhy	12424	12539	115	Chert, Lime, Shale
2680	3369	689	Lime	12539	12790	251	Lime, Shale
3369	4269	900	Sand, Shale, Lime	12790	12846	56	Shale, Sand, Lime
4269	6599	2330	Sand, Shale	12846	12937	91	Shale, Lime, Chert
6599	7275	676	Shale, Lime	12937	12987	50	Shale, Lime
7275	7613	338	Chert, Lime, Shale	12987	13481	494	Sand, Shale, Lime
7613	9391	1778	Lime, Shale	13481	13650	169	Sand, Shale
9391	9710	319	Sand, Dolomite				
9710	10254	544	Lime, Sand, Shale				
10254	11618	1364	Shale, Lime				