SWD 10-16-95

ENRON
Oil & Gas Company

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

September 29, 1995

State of New Mexico
Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

Attn: Mr. David Catanach

In Re: SWD-549 - NM 28881
Vaca Ridge 30 Federal Com. #1
1980' FSL & 1980' FWL
Section 30, T24S, R34E
Lea County, New Mexico

Dear Mr. Catanach:

Please be advised that Enron Oil & Gas Company intends to add Delaware injection intervals to the above-named well as per the attached procedure.

All offset and surface owners remain the same as when the original permit was approved on January 31, 1994. Yates Petroleum Corporation's lease expired on September 1, 1995, and the lease owner was reverted back to the New Mexico State Land Office. See attached Proof of Notice furnished your office with our application for injection .

If you have any further questions, please let me know. (915)686-3714

Your early attention is appreciated.

Very truly yours,

ENRON OIL & GAS COMPANY

Betty Gildon
Regulatory Analyst

bg

cc: NMOCD-Hobbs
BLM - Carlsbad

enclosures

Enron Oil & Gas
Application for Injection
Attachments to Form C - 108

Part XIII. Proof of Notice

Surface Owner:

1. Leta Dillon Trust
   1514 S. Indianapolis
   Tulsa, Oklahoma 74135

Leasehold owners or operators on adjacent property or within one-half mile of the diposal well location:

1. Enron Oil & Gas Company
   P.O. Box 2267
   Midland, Texas 79702

2. Yates Petroleum Corporation
   105 South 4th Street
   Artesia, New Mexico 88210

As a courtesy, the following nearby leasehold and surface owners are also being notified:

3. Meridian Oil Inc.
   P.O. Box 51810
   Midland, Texas 79710

4. New Mexico State Land Office
   P.O. Box 1148
   Santa Fe, New Mexico 87504-1148

9/25/95

Enron Oil & Gas Company
Vaca Ridge '30' Federal Com 1
Pitchfork Ranch Field
Lea County, New Mexico

PROCEDURE TO ADD DELAWARE INJECTION INTERVALS

1. Install frac tank. Shut in well 2 days before rigging up to allow pressure to bleed off. Back flow well if necessary.

2. MIRU CU. ND injection head. NU 5,000 psig BOP.

3. Unseat packer. TOH standing back 2-7/8" plastic coated tubing. Install thread protectors on plastic coated tubing prior to stand back. Utilize stripper head if necessary while TOH.

4. RU HES cased hole unit and perforate with a 4" cased hole gun 90° phased as follows:

5,424' - 5,456'	(4 SPF, 129 Holes)	5,534' - 5,552'	(4 SPF, 73 Holes)
5,482' - 5,518'	(4 SPF, 145 Holes)	5,586' - 5,662'	(4 SPF, 305 Holes)
	Total: 652 Holes		

5. PU 9-5/8" RTTS and RBP, SN, and TIH on 2-7/8", 6.5#, J-55 work string to ±6,380'. Set RBP. PU to ±6,250'. Set Packer.

6. RU HES and acidize with 2,000 gallons of 15% Ferchek SC acid. This should be treated down tubing with an anticipated rate and WHTP of 4 - 5 bpm at 1,500 psi. Flow down well.

7. Unseat packer and TIH to release RBP. Pull RBP to ±5,750'. Set and test RBP. PU to ±5,660' and spot 500 gallons of 15% Ferchek SC. PU packer to ±5,350'. Reverse excess acid into tubing and set packer.

8. Acidize with 6,000 gallons of 15% Ferchek SC acid dropping 2,000 pounds of GRS in 2,000 gallons of 10# Gelled Brine water for diversion. This should be treated down tubing at 4 - 6 bpm at 2,000 psi. Recommended acid schedule as follows:

1,200 gal	15% Fercheck SC
500 gal	GBW w/500 lbs GRS
1,200 gal	15% Ferchek SC
500 gal	GBW w/500 lbs GRS
1,200 gal	15% Ferchek SC
500 gal	GBW w/500 lbs GRS
1,200 gal	15% Ferchek Sc
500 gal	GBW w/500 lbs GRS
1,200 gal	15% Ferchek SC
2,000 gal	2% KCl Flush/Overflush

NOTE: **Have 2,500 lbs of Rock Salt on location.**

9. Run injection test.

10. Release RTTS. RIH and release RBP. TOH laying down work string.

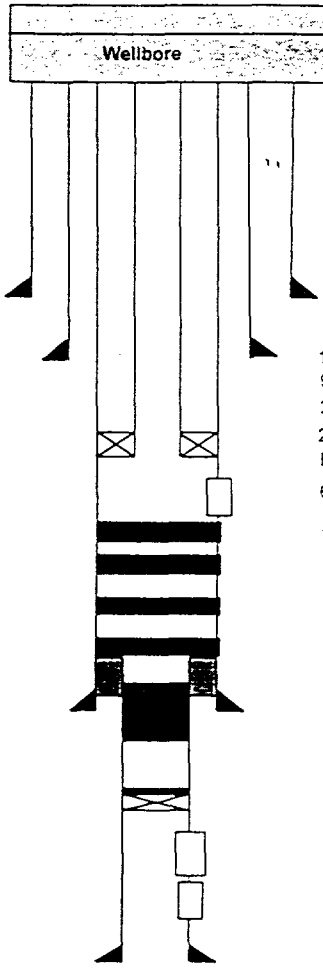
11. RIH w/Baker Lok-Set Packer with On-Off tool on plastic coated injection tubing. Circulate packer fluid into annulus using 10# Brine as a base fluid. Set at ±5,350' with 6,000 lbs. of compression.

12. ND BOP. NU injection head. Place well on injection.

09/21/1995

Enron Oil & Gas Company
Vaca Ridge '30' Federal Com 1
Pitchfork Ranch Field
Lea County, New Mexico

WELL SCHEMATIC

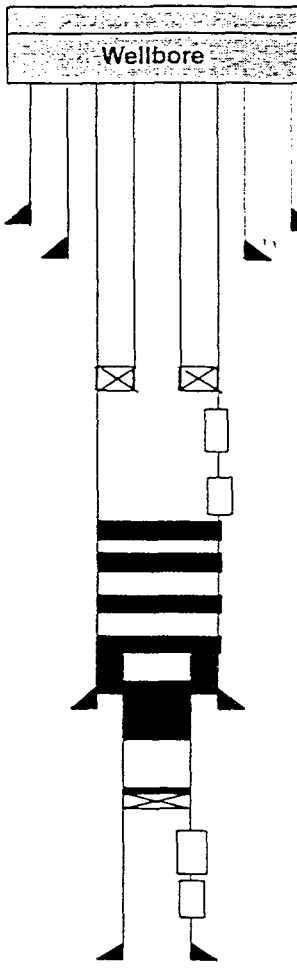


20" 94# H-40 Cement Circulated	600'
13-3/8" 61# S-80 Cement Circulated	5208'
9-5/8" Top of Cement (Temperature Survey)	5200'
2-7/8" x 9-5/8" Annulus Fluid 10# Brine Packer Fluid	
2-7/8" 6.5# J-55 EUE 8 Rd (Plastic Coated)	6230'
Baker Lok-Set with On-Off Tool	6230'
6304 - 6360' (224 Holes)	
65 Sack Plug	6500 - 6600'
80 Sack Plug	9300 - 9400'
90 Sack Plug	12,270 - 12,370'
60 Sack Plug (Tagged)	12,701-12,801'
9-5/8" 43.5# & 47# S-95 & P-110	13,250'
30 Sack Plug (Tagged)	13,200 - 13,300'
CIBP with 10' of Cement	14,700'
14,814 - 14,852'	
Morrow (12/84) 14,854 - 15,166'	
PBTD	15,450'
5-1/2" 23# S-95 FJ	15,504'

09/21/1995

Enron Oil & Gas Company
Vaca Ridge '30' Federal Com 1
Pitchfork Ranch Field
Lea County, New Mexico

WELL SCHEMATIC



Wellbore	Proposed Casing String	Depth
	20" 94# H-40 Cement Circulated	600'
	13-3/8" 61# S-80 Cement Circulated	5,208'
	9-5/8" Top of Cement (Temperature Survey)	5,200'
	2-7/8" x 9-5/8" Annulus Fluid 10# Brine Packer Fluid	
	2-7/8" 6.5# J-55 EUE 8 Rd (Plastic Coated)	5,300'
	Baker Lok-Set with On-Off Tool	5,300'
	5,424' - 5,662' (652 Holes)	
	6304 - 6360' (224 Holes)	
	65 Sack Plug	6,500 - 6,600'
	80 Sack Plug	9,300 - 9,400'
	90 Sack Plug	12,270 - 12,370'
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	9-5/8" 43.5# & 47# S-95 & P-110	13,250'
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