

# Denton No. 11

## Proposed SWD

Fasken Oil and Ranch, Ltd.

Location: 660' FNL, 1815' FEL  
Sec 11, T15S, R37E  
Lea County, New Mexico  
Compl.: 22-Mar-52  
API #: 30-025-05298  
IP:  
TD: 9551'  
PBTD: 9045' (CIBPw/35' cmt 5-3-93)  
Casing: 13-3/8", 27.3#, Armco Spiral Weld @ 351.68'  
Cmt 350 sx  
TOC surf  
8-5/8", 24, 28 & 32#, @ 4649'  
Cmt 2450 sx 8% gel + 150 sx neat  
TOC surf  
5-1/2" 14-17# @ 9,552.31'  
Cmt 1st stg 175sx 8% gel+100sx 4% gel  
Circ 50 sx thru DV  
DV: 7690'  
Cmt 2nd stg w/375 sx 8% gel  
TOC 4250' by Temp

Packer: Baker 415-D @ 9225' (4-16-52)

Perfs  
9090'-9210' Sqzd 45sx  
9100'-9140' to be sqzd  
9240'-9385' Sqz 45 sx  
9415'-9458' sqzd 13 sx  
9478'-9513 sqzd 30sx

Wolfcamp @ 9115'

Cisco (T/Penn) @ 9642'

DF: 3805'

13-3/8", 27.3#, Armco Spiral Weld @ 351.68'  
Cmt 350 sx  
TOC surf

8-5/8", 24, 28 & 32#, @ 4649'  
Cmt 2450 sx 8% gel + 150 sx neat  
TOC surf

DV: 7690'  
Circ 65 sx thru DV

Proposed 3-1/2" IPC tubing  
with seal bore & 2-3/8" IPC tailpipe

Proposed 3 1/2" liner hanger w/packoff

Prf 9100'-9140' to be sqzd  
Prf 9090'-9210' Sqzd 45sx  
Prf 9240'-9385' Sqz 45 sx

Prf 9415'-9458' sqzd 13 sx

Prf 9478'-9513 sqzd 30sx

TD: 9551'  
5-1/2" 14-17# @ 9,552.31'  
TOC 4250' by Temp

Proposed 3-1/2" Liner 9000'-9642'  
with packer cementing collar

Proposed TD 10720'

Hole size 4-3/4" 9551'-10720'

BEFORE THE  
OIL CONSERVATION DIVISION  
Case No. 13601 Exhibit No. 13  
Submitted By:  
Fasken Oil and Ranch  
Hearing Date: December 15, 2005

Denton No. 11  
APPLICATION FOR AUTHORIZATION TO INJECT

III. Proposed Salt Water Disposal Well Data:

A.

1. Denton No. 11  
660' FNL and 1815' FEL  
Section 11, T15S, R37E  
Lea County, NM  
API number: 30-025-05298
2. Surface Casing: 13-3/8", 27.3#/ft, Armco Spiral Weld @ 351.68', cemented w/350 sx circulated to surface.  
Intermediate Casing: 8-5/8", 24, 28 & 32#/ft, @ 4649', cemented w/2600 sx circulated to surface.  
Production Casing: 5-1/2", 14-17#/ft, @ 9,552.31', Stage tool at 7690', cemented 1<sup>st</sup> stage w/275 sx circulated 50 sx through stage tool, cemented 2<sup>nd</sup> stage w/375 sx, TOC 4250' by temp survey.  
Proposed Liner: 3-1/2" @ 9100'-9775' w/liner hanger w/packoff and packer cementing collar
3. Total Depth 9,551'
4. Tubing: 3-1/2" 9.5#/ft N-80 w/Tuboscope TK70 (or equivalent) plastic coating
5. Packer: 3-1/2" liner hanger packer +/-9000'.

B.

1. Injection formation: Pennsylvanian  
Field: Denton
2. Injection interval through open hole: 9642'-10720'
3. Original purpose of well: Devonian Oil Well
4. Other perforations/plugs:  
9090'-9210' (Sqzd with 45 sx)  
9100'-9140' (to be squeezed)  
9240'-9385' (Sqzd with 45 sx)  
9415'-9458' (Sqzd with 15 sx)  
9478'-9530' Sqzd with 30 sx
5. Depths and names of higher and lower oil or gas zones:  
Wolfcamp: 9115'  
Devonian: 11698'

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VII. Proposed Operation Data:

1. Average Daily Rate: 8,000 BWPD  
Maximum Daily Rate: 10,000 BWPD
2. Closed System
3. Average Pressure: 1000 psig  
Maximum Pressure: 1900 psig
4. Water Sources: Devonian and Wolfcamp produced water from the Denton Field.  
Analyses attached.
5. Analysis of Pennsylvanian zone water is not available.

VIII. The proposed injection zone is the Pennsylvanian age limestone/dolomite at a depth of approximately 9,642' with a gross thickness of +/-1100'.

Fresh water aquifer at this site is the Ogalalla and Base Cretaceous (Chinle) found from near surface to a depth of +/-250'.

- IX. Stimulation program: the injection interval will be acidized with 15% NEFE acid prior to initial injection.
- X. Copies of current well logs are on file with the Oil Conservation Division.
- XI. Chemical Analysis of fresh water is attached.
- XII. The Applicant attests that a thorough examination has been made of all available geologic, engineering, and well data and that no hydrologic connection exists between the proposed injection interval and the overlying fresh water aquifer.