Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Revised 1-1-89

# OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-025-05306

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Denton

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other SWD

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

8. Well No.
3 SWD

3. Address of Operator
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

9. Pool name or Wildcat
Denton (Penn)

4 Well Location
Unit Letter M : 330 Feet From The south Line and 330 Feet From The west Line

Section 12 Township 15S Range 37E NMPM Lea County

10. Elevation (*Show whether DF, RKB, RT, GR, etc.*)
DF 3973', KB 3794'

Check Appropriate Box To Indicate Nature Of Notice, Report, Or Other Data

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ | REMEDIAL WORK | ☐ | ALTERING CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ | COMMENCE DRILLING OPNS. | ☐ | PLUG AND ABANDONMENT | ☐ |
| PULL OR ALTER CASING | ☐ | | | CASING TEST AND CEMENT JOB | ☐ | | |
| OTHER: repair casing leak to pass MIT | ☒ | | | OTHER: | ☐ | | |

13. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.)* SEE RULE 1103.

On November 23, 1999, the Denton #3 SWD failed it's annual MIT due to a possible casing leak. The well was shut in. For now the Denton SWD system can handle the total volume of disposal without this well. But if additional wells are brought on line, the system would be working over capacity. Therefore Devon Energy Corporation (Nevada) proposes a workover to inspect, repair, replace where needed.

Attached please find the following.
1. Proposed engineering procedure
2. Current well bore schematic

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Candace R. Graham TITLE ENGINEERING TECHNICIAN DATE March 9, 2000

TYPE OR PRINT NAME Candace R. Graham TELEPHONE NO. (405) 235-3611

(This space for State use)

Approved by ORIGINAL SIGNED BY GARY WINK FIELD REP. TITLE MAR 20 2000 DATE

Conditions of approval, if any:

5
C

# DEVON ENERGY CORPORATION

**Interoffice Correspondence**

12/1/99 11:21 AM

**TO:** Rick White

**FROM:** W.M. Frank

**RE:** SWD Well Repair Procedure
Denton #3 SWD
330' FSL & 330' FWL
Section 12-T15S-R37E
Lea County, New Mexico

Well Data: Elevation 3794' RKB

TD 10100' PBTD 10093'

Casing: 13 3/8" 48# @ 406' Cmt'd w/400 sxs
9-5/8" 36 & 40# @ 4784' Cmt'd w/3000 sxs
7" Liner f/4573' - 9427' Cmt w/225 sxs
3 ½" Fiberglass Perforated Liner f/9349' – 10093'

**Procedure**

1. MIRU DDPU and pipe racks. MI 9,500' of rental 2 7/8" N-80 tubing. ND injection head and release from On/Off tool. NU BOPE and POOH laying down IPC tubing. Have tubing visually inspected while on racks. Notify OKC immediately if any tubing is damaged beyond field repair.

2. PU RBP/squeeze packer combination and TIH PU workstring tubing to 9,400'. Set RBP and PU one joint. Set packer and test RBP to 1000 psig. Circulate hole with produced water. POOH to 9,150' and set packer. Test down tubing to 500 psig. Test annulus to 500 pisg. If tubing tests OK then begin POOH testing annulus until leak is isolated to within one joint above and below leak.

3. Once leak is isolated TIH, engage RBP, release, and PU hole to 100' below bottom of leak. Set RBP, dump 200 lbs sand into tubing, flush to EOT, shut down ½ hour to allow sand to fall, and POOH w/packer to 150' above top of leak. Set packer and test annulus to 500 psig. Bleed off tubing annulus pressure and leave valve open, and with 9 5/8" x 13 3/8" casing valve open, pump down tubing to establish injection rate into leak.

4. MIRU BJ Services to squeeze cement. Open 9 5/8" x 13 3/8" casing valve and tubing annulus, and establish injection rate into casing leak. Mix and pump squeeze job. Perform hesitation squeeze to 1000 psig over injection pressure. If unable to obtain squeeze, overdisplace cement by 10 bbls, WOC 4 hours, then repeat squeeze. When squeeze is obtained, release packer, POOH 10 joints, reverse circulate tubing clean, reset packer and apply 200 psig to tubing. WOC overnight or for at least 6 hours.

5. Release pressure, release packer, and POOH.

6. PU and TIH with appropriate bit, 6-3 ½" DC's and tubing to TOC. Drill out cement and circulate hole clean, DO NOT CIRCULATE SAND OFF RBP AT THIS TIME. Test squeeze to 300 psig f/30 min.

7. POOH w/tubing and LD bit and DC's.

8. PU and TIH w/RBP retrieving head to top of sand plug.

9. Reverse circulate sand off top of plug. Circulate hole clean before releasing RBP. Engage RBP, release, and POOH laying down 2 7/8" workstring.

10. Rerun injection tubing and packer as pulled. Space out tubing, set packer, test annulus to 300 psig. Release pressure, ND BOPE, NU injection head.

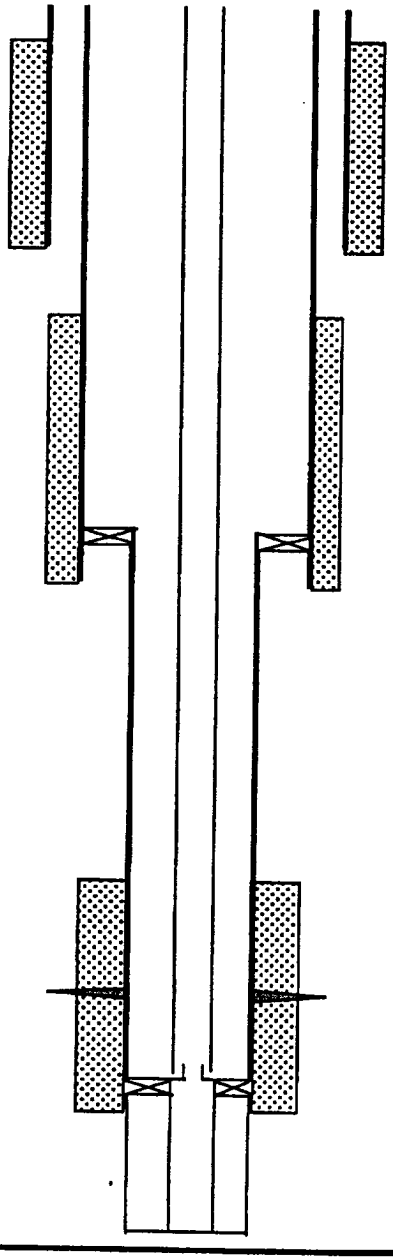
11. MIRU pump truck and test annulus to 300 psig f/30 min on chart. Inform BLM of test so that they can witness.

12. RDMO DDPU and place the well on injection.

# DEVON ENERGY CORPORATION
# WELLBORE SCHEMATIC

| | | | |
|---|---|---|---|
| WELL NAME: Denton #3 SWD | | FIELD: Townsend (Devonian & Wolfcamp) | |
| LOCATION: Section 12, T15S, R37E | | COUNTY: Lea | STATE: NM |
| ELEVATION: KB=3794' | | SPUD DATE: 2/3/53 | COMP DATE: 6/6/53 |
| API # 30-025-05306 | PREPARED BY: W. M. Frank | 1st INJ. DATE: 7/1/88 | DATE: 12/1/99 |

| TUBULARS | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---|---|---|---|---|---|---|
| CASING: | 0' - 406' | 13 3/8" | 48 | New | | 17 1/2" |
| CASING: | 0' - 4784' | 9 5/8" | 36 & 40 | New | | 12 1/4" |
| LINER: | 4784' - 9427' | 7" | | | | 8 3/4" |
| LINER: | 9349 - 10093' | 3 1/2" | Fiberglass | Perforated | | 6" |
| TUBING: | | | | | | |



■ CURRENT □ PROPOSED

13 3/8" Csg, Cmt'd w/400 sxs.

Injection Tubing Detail:
- 199 jts 4 1/2", 11.6#, J-55 LT&C, casing coated w/TK-70
- 20 jts 4 1/2", 11.6#, K-55, LT&C casing coated w/TK-70
- On/Off tool skirt

7" Liner top @ 4573'

9 5/8" Casing cmt'd w/3,000 sxs.

Liner Detail:
- On/Off tool @ 9349'
- Lok-set Packer
- 738' of 3 1/2", 2000 psi, Star Perforated Fiber Glass pipe
- Fiberglass bull plug @ 10093'

Wolfcamp Perfs f/9220 - 9300'. Squeezed w/148 sxs "H" on 5/26/88.

7" @ 9427'. Csg cmt'd w/225 sxs cmt.

7" FC and Shoe drilled out w/6" bit and new hole drilled to 10,100'.
TD @ 10,100'