

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.  
30-025-41524

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name  
Cotton Draw 32 State SWD

8. Well Number  
2

9. OGRID Number  
6137

10. Pool name or Wildcat  
SWD; Devonian (96101)

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.)

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

2. Name of Operator  
Devon Energy Production Company, LP

3. Address of Operator  
333 West. Sheridan Avenue  
Oklahoma City, OK 73102-5015 405-552-6558

4. Well Location

Unit Letter P : 1180 feet from the South line and 1000 feet from the East line  
Section 32 Township 24S Range 32E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3477.7' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Devon Energy Production Co., L.P. respectfully requests the following change to the Casing design. Due to reservoir depletion there is a high chance for lost returns at ~ 8,400' TVD. The revised casing design provides the availability of a contingency string in the event of losses and still maintain hole/casing size to run 4-1/2" tubing to the injection zone.

Revised casing design attached.

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

SIGNATURE

Linda Good

TITLE: Regulatory Specialist

DATE 11/10/2015

Type or print name: Linda Good

E-mail address: linda.good@dmn.com

PHONE: 405-552-6558

For State Use Only

APPROVED BY:

[Signature]

TITLE Petroleum Engineer

DATE

11/10/15

Conditions of Approval (if any):

NOV 10 2015

### DRILLING PROGRAM

Devon Energy Production Company, L.P.  
CDU-32 State SWD 2

1. Estimated Tops of Geological Markers & Depths of Anticipated FW, Oil, or Gas:

Anticipated Top	Depth (tvd)
Rustler	735
Top of Salt	1065
Lamar	4610
Delaware	4635
L Brushy Cyn	8265
Bone Sprig	8530
2nd BSPG Lime	9845
3rd BSPG Lime	10755
Wolfcamp	11980
Wolfcamp "D"	11980
Canyon	13450
Strawn	13780
<b>Atoka</b>	14000
Morrow	14550
Barnett	15210
Miss Lime	16375
Woodford	16670
Silur-Dev	16820
Base Dolo Phi	17305
Fusselman	17645



### Casing Program:

#### Base Design

Hole Size	Hole Interval	Casing OD	Casing Interval	Weight (lb/ft)	Collar	Grade	Collapse Design Factor	Burst Design Factor	Tension Design Factor
26"	0 – 800'	20"	0 – 800'	94#	BTC	J-55	1.35	4.48	4.15
18-1/8"	800' – 4,550'	16"	0 – 4,550'	97#	BTC	N-80	1.23	2.32	4.57
14-3/4"	4,550' – 9,000'	9-5/8"	0 – 12,050'	47#	BTC	P-110	1.16	1.55	2.70
12-1/4"	9,000' – 12,050'								
8-1/2"	12,050' – 16,820'	7" Liner	11,550 - 16,820	32#	BTC	P-110	1.13	1.28	2.20
6"	16,820' – 19,970'	NA	NA	NA	NA	NA	NA	NA	NA

#### Contingency Design

Hole Size	Hole Interval	Casing OD	Casing Interval	Weight (lb/ft)	Collar	Grade	Collapse Design Factor	Burst Design Factor	Tension Design Factor
26"	0 – 800'	20"	0 – 800'	94#	BTC	J-55	1.35	4.48	4.15
18-1/8"	800' – 4,550'	16"	0 – 4,550'	97#	BTC	N-80	1.23	2.32	4.57
14-3/4"	4,550' – 9,000'	11-3/4"	0 – 9,000'	65#	BTC	P-110	1.10	2.12	3.44
10-5/8"	9,000' – 12,050'	9-5/8"	8,500 – 12,050'	53.5#	SLIJ2	P-110	1.52	2.21	6.19
8-1/2"	12,050' – 16,820'	7" Liner	11,550 - 16,820	32#	BTC	P-110	1.13	1.28	2.20
6"	16,820' – 19,970'	NA	NA	NA	NA	NA	NA	NA	NA

#### Casing Notes:

- This is an open hole completion, thus no casing is listed for hole interval 16,820' to 19,970'
- All casing is new and API approved
- Casing will not be fully evacuated when running in the hole.
- Contingency casing design is proposed due to potential risk of loss returns; setting depth for the 11-3/4" casing is approximate due to uncertainty with loss zone

## 2. Proposed mud Circulations System:

Depth	Mud Weight	Viscosity	Fluid Loss	Type System
0 – 800'	8.4-9.0	30-34	N/C	FW
800' – 4,550'	9.8-10.0	28-32	N/C	Brine
4,550' – 12,050'	8.6-9.5	28-32	N/C	FW/Cut Brine
12,050' – 16,820'	10.0 – 13.0	30-34	N/C	OBM
16,820' – 19,970'	8.5-9.5	28-32	N/C	FW/Cut Brine

The necessary mud products for weight addition and fluid loss control will be on location at all times. Visual mud monitoring equipment will be in place to detect volume changes indicating loss or gain of circulating fluid volume. If abnormal pressures are encountered, electronic/mechanical mud monitoring equipment will be installed.

### 3. Cementing Table:

String	Number of sx	Weight lbs/gal	Water Volume g/sx	Yield cf/sx	Stage; Lead/Tail	Slurry Description
20" Surface	1935	14.8	6.34	1.33	Tail	Class C Cement + 63.5% Fresh Water
16" Intermediate	1141	12.9	10.85	1.87	Lead	(65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 70.9 % Fresh Water
	422	14.8	6.32	1.33	Tail	Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Fresh Water, 14.8 ppg
9-5/8" Intermediate	1445	11.9	12.89	2.26	Lead	(50:50) Class H Cement: Poz (Fly Ash) + 10% BWOC Bentonite + 1 lb/sk of Kol-Seal + 0.3% BWOC HR-601 + 0.5lb/sk D-Air 5000 + 76.4% Fresh Water
	400	14.5	5.37	1.22	Tail	(50:50) Class H Cement: Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water
7" Intermediate	765	14.5	5.37	1.22	Tail	(50:50) Class H Cement: Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water

#### TOC for all Strings:

- |                              |          |
|------------------------------|----------|
| • 20" Surface Casing         | 0ft      |
| • 16" Intermediate Casing    | 0ft      |
| • 9-5/8" Intermediate Casing | 4,350ft  |
| • 7" Intermediate Casing     | 11,550ft |

#### Notes:

- Cement volumes Surface 100%, Intermediate 50%, Production based on at least 25% excess
- Actual cement volumes will be adjusted based on fluid caliper and caliper log data
- 11-3/4" contingency string will have the same TOC as the 9-5/8" string in the base design