

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 August 1, 2011

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

WELL API NO. 30-015-40987
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Burton Flat Deep Unit SWD
8. Well Number 1
9. OGRID Number 6137
10. Pool name or Wildcat SWD; Delaware
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3230.0

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 <input checked="" type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other
2. Name of Operator Devon Energy Production Company, L.P.
3. Address of Operator 333 West Sheridan Oklahoma City, OK 73102-5015
4. Well Location Unit Letter <u>N</u> : <u>330</u> feet from the <u>South</u> line and <u>1550</u> feet from the <u>West</u> line Section <u>2</u> Township <u>21S</u> Range <u>27E</u> NMPM Eddy County

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 ☐

OTHER: Change Casing ☐

SUBSEQUENT REPORT OF:

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

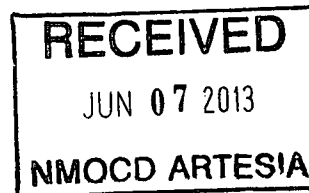
OTHER: ☐

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 Company L.P. respectfully requests to revise casing design and cement to include a 2<sup>nd</sup> intermediate which will set @ 8,900-ft top of Wolfcamp. A 2<sup>nd</sup> intermediate string was added to isolate over pressured zones from the Delaware.

Please see the following attachment:

- Drilling Plan



Spud Date:

Rig Release Date:

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

SIGNATURE:

*Trina Couch*

TITLE: Regulatory Associate

DATE: 6/6/2013

Type or print name Trina C. Couch

E-mail address: trina.couch@dvni.com

PHONE: 405-228-7203

For State Use Only

APPROVED BY:

*T. C. Shepard*

TITLE

*Geologists*

DATE 6/7/2013

Conditions of Approval (if any):

**Burton Flat Deep SWD #1-APD DRILLING PLAN****01-02-2013 KKS****02-06-2013 revised 7" casing pt, hole TD, cement volumes & casing DF****05/22/2013 revised casing design, and cement to include 2<sup>nd</sup> intermediate set @ 8,900-ft top of Wolfcamp.****Casing Program**

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
36"	0 – 150	30"	0 – 150	Conductor		
26"	150 – 600	20"	0 – 600	94#	BTC	J-55
17-1/2"	600 – 2,800	13-3/8"	0 – 2,850	61#	BTC	H-40
12-1/4"	2,800 – 9,800	9-5/8"	0 – 9,800	47#	LTC	L-80
8-1/2"	9,800 – 14,500	7"	0 – 12,500	32#	LTC	N-80

Note: This will be an open hole completion, thus the hole interval is deeper than the 7" production casing depth

<u>Casing Size</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
20" 94# J-55 BTC	1.85	7.51	2.62
13-3/8" 61# H-40 BTC	1.18	2.36	5.63
9-5/8" 43.5# HCP-110 LTC	1.80	2.76	4.73
7" 32# N-80 LTC	1.35	1.78	2.56

The maximum possible collapse load that the intermediate casing will experience will result from evacuated casing with the pore pressure exerting a collapse load at TD. There is no potential for the intermediate casing strings to be used as the injection string.

**Mud Program:**

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>Fluid Loss</u>	<u>Type System</u>
0 – 150	8.4 – 9.0	30 – 34	N/C	FW
150 – 600	8.4 – 9.0	28 – 32	N/C	FW
600 – 2,850	8.4 – 9.0	28 – 30	N/C	FW
2,850 – 8,900	8.4 – 9.0	28 – 30	N/C	FW
8,900 – 14,500	8.6 – 10.0	28 – 32	N/C-12	FW/Brine

**Pressure Control Equipment:**

The BOP system used to drill the 26" hole will consist of a **30" 2M Annular preventer**. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a **2M system** prior to drilling out the casing shoe.

The BOP system used to drill the 17-1/2" hole will consist of a **20" 2M Annular preventer**. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a **2M system** prior to drilling out the casing shoe.

The BOP system used to drill the 12-1/4" and 8-1/2" holes will consist of a **13-5/8" 5M Double Ram and Annular preventer**. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a **5M system** prior to drilling out the casing shoe.

The pipe rams will be operated and checked as per Onshore Order No 2. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular

preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at **5,000 psi WP**.

**Cementing Program (cement volumes based on at least 150% for Conductor, 100% Surface, 50% for Intermediate and 25% excess 7" Production.)**

20" Surface                      **Tail:** 1750 sks Class C Cement +2% Calcium Chloride +3#Kol seal/sk @ 14.8 ppg

**Yield:** 1.35 cf/sk. 150% excess

TOC @ Surface

13-3/8" 1st Intermediate    **Lead:** 1310 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 4% bwoc Bentonite + 70.1% Fresh Water, 12.9 ppg

**Yield:** 1.85 cf/sk

**TOC @ surface**

**Tail:** 1075 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 63.1% Fresh Water, 14.8 ppg

**Yield:** 1.33 cf/sk

9-5/8" 2<sup>nd</sup> Intermediate.    **Lead:** 910 sacks (65:35) Class C Cement:Poz (Fly Ash): + 5% bwow Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 6% bwoc Bentonite + 70.9% Fresh Water, 11.8 ppg

**Yield:** 2.57 cf/sk

**TOC @ surface**

**Tail:** 1335sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.4 ppg

**Yield:** 1.33 cf/sk

7" Production Liner TD    **Lead** 470 Sks (65:35) Class C Cement : Poz + 5% bwow Sodium Chloride+ 0.125 #/sk Poly E Flake + 6% bwoc Bentonite @ 11.8 ppg

**Yield:** 2.54 ft<sup>3</sup>/sk

**Tail:** 270 sacks (50:50) Class H Cement:Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water, 14.5 ppg

**Yield:** 1.22 cf/sk

TOC for All Strings:

Surface:	0
1 <sup>st</sup> .Intermediate:	0
2nd. Intermediate	0
Production:	2,300 ft

**ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA.**