

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. 30-015-40503
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
8. Well Number 54H
9. OGRID Number 6137
10. Pool name or Wildcat Avalon; Bone Spring, East ✓

**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

2. Name of Operator  
Devon Energy Production Company, LP 405-228-7203

3. Address of Operator  
333 West. Sheridan Avenue  
Oklahoma City, OK 73102-5015 405-228-7203

4. Well Location  
 Unit Letter L : 1570 feet from the South line and 50 feet from the West line  
 Section 2 Township 21S Range 27E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3214.4

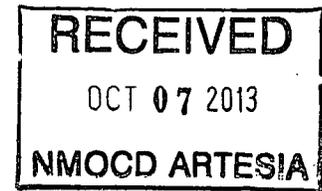
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: Formation Change <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 change the Burton Flat Deep Unit from a 1<sup>st</sup> Bone Spring to a 2<sup>nd</sup> Bone Spring. The new directional plan and cement design are attached.

Thank you

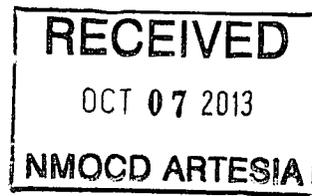


I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Trina C. Couch TITLE: Regulatory Associate DATE 10/4/2013

Type or print name: Trina C. Couch E-mail address: trina.couch@dvn.com PHONE: 405-228-7203

**For State Use Only**  
 APPROVED BY: T. C. Shaw TITLE: **"Geologist"** DATE 10/9/2013  
 Conditions of Approval (if any):



Burton Flat Deep Unit 54H- APD DRILLING PLAN  
 Revised SKS 10-02-2013

Casing Program

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
26"	0 - 200	20"	0 - 200	94#	BTC	J-55
17-1/2"	200 - 750	13-3/8"	0 - 750	68#	BTC	J/K-55
12-1/4"	750 - 2750	9-5/8"	0 - 2750	40#	LTC	J-55
8-3/4"	2750 - 6850	5-1/2"	0 - 6750	17#	LTC	HCP-110
8-3/4"	6850 - 12538	5-1/2"	6750 - 12538	17#	BTC	HCP-110

**Note: only new casing will be utilized**

MAXIMUM LATERAL TVD      **7,481**

Mud Program:

Depth	Mud Wt.	Visc.	Fluid Loss	Type System
0 - 200	8.4 - 9.0	30 - 34	N/C	FW
200 - 750	9.8 - 10.0	28 - 32	N/C	Brine
750 - 2750	8.6 - 9.0	28 - 32	N/C	FW
2750 - 12,538	8.6 - 9.0	28 - 32	N/C	FW

Pressure Control Equipment:

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 No. 2 as a **2M system** prior to drilling out the casing shoe.

The BOP system used to drill the **12-1/4" and 8-3/4"** holes will consist of a **13-5/8" 3M Double Ram and Annular preventer**. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a **3M 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 **3,000 psi WP**.

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns.

APD 10/7/13

**Cementing Program (cement volumes based on at least Surface 100% excess, Intermediate #1 100% excess, Intermediate #2 75% excess, Intermediate #2 Option #2 75% excess and Production Casing is 25% excess)**

20" Surface	<p><b>Primary: 970 sacks</b> 100% Class C Cement + 1 BWOC % Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 64% Fresh Water, 14.8ppg</p> <p><b>Yield: 1.34 cf/sk</b></p> <p><b>TOC @ surface</b></p>
13-3/8" 1st Intermediate	<p><b>Tail: 945 sacks</b> 100% Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.9% Fresh Water, 14.8ppg</p> <p><b>Yield: 1.33 cf/sk</b></p> <p><b>TOC @ surface</b></p>
9-5/8" 2 <sup>nd</sup> Intermediate	<p><b>Lead: 435 sacks (65:35)</b> Class C Cement:Poz (Fly Ash): + 5% bwow Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 6% bwoc Bentonite + 70.9% Fresh Water, 12.9 ppg</p> <p><b>Yield: 1.85 cf/sk</b></p> <p><b>TOC @ surface</b></p> <p><b>Tail: 430 sacks</b> 100% Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.8 ppg</p>
9-5/8" 2 <sup>nd</sup> Intermediate Option #2	<p><b>Stage #1</b></p> <p><b>Lead: 225 sacks (65:35)</b> Class C Cement:Poz (Fly Ash): + 5% bwow Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 6% bwoc Bentonite + 70.9% Fresh Water, 12.9 ppg</p> <p><b>Yield: 1.85 cf/sk</b></p> <p><b>TOC @ 1500ft</b></p> <p><b>Tail: 220 sacks</b> 100% Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.8 ppg</p> <p><b>DV Tool @ 1500ft</b></p> <p><b>Stage #2</b></p> <p><b>Lead: 215 sacks (65:35)</b> Class C Cement:Poz (Fly Ash): + 5% bwow Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 6% bwoc Bentonite + 70.9% Fresh Water, 12.9 ppg</p> <p><b>Yield: 1.85 cf/sk</b></p> <p><b>TOC @ surface</b></p> <p><b>Tail: 210 sacks</b> 100% Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.8 ppg</p>
5-1/2" Production Casing	<p><b>Lead: 670 sacks</b> Tuned Light Class C Based + 2 lbs/sack Kol-Seal+ 0.125 lbs/sack Poly-E-Flake + 0.2 lb/sack HR-800 + 70.01 % Fresh Water, 10.4 ppg</p> <p><b>Yield: 2.91 cf/sk</b></p> <p><b>TOC @ 250ft</b></p> <p><b>Tail: 1480 sacks (50:50)</b> 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</p> <p><b>Yield: 1.22 cf/sk</b></p>

TOC for All Strings:

Surface: 200ft	0ft (200ft of fill of Tail)
Intermediate #1: 750ft	0ft (750 ft of fill of Tail)
Intermediate #2: 2750ft	0ft (1750ft of Lead & 1000ft of Tail)
Intermediate #2 – Option #2:2750ft	1500ft (1 <sup>st</sup> Stage: 750ft of Lead & 500ft of Tail) 0ft (2 <sup>nd</sup> Stage: 1000ft of Lead & 500ft of Tail)
Production Casing: 16031ft	250ft (6605ft of fill of Lead & 5683ft of fill of Tail)

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