

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

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 type="checkbox"/> Other <input type="checkbox"/>		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
2. Name of Operator Devon Energy Production Company, LP 405-228-7203		9. OGRID Number 6137
3. Address of Operator 333 West. Sheridan Avenue Oklahoma City, OK 73102-5015 405-228-7203		10. Pool name or Wildcat Avalon; Bone Spring, East ✓
4. Well Location Unit Letter <u>L</u> : <u>1570</u> feet from the <u>South</u> line and <u>50</u> feet from the <u>West</u> line Section <u>2</u> Township <u>21S</u> Range <u>27E</u> 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

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: Formation Change ☒

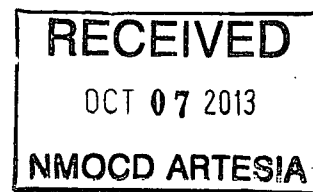
SUBSEQUENT REPORT OF:

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 change the Burton Flat Deep Unit from a 1st Bone Spring to a 2nd 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@dmn.com

PHONE: 405-228-7203

For State Use Only

APPROVED BY:

T. C. Shaw

TITLE

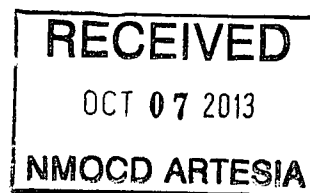
"Geologist"

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.

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

Primary: 970 sacks 100% Class C Cement + 1 BWOC % Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 64% Fresh Water, 14.8ppg

Yield: 1.34 cf/sk

TOC @ surface

13-3/8" 1st Intermediate

Tail: 945 sacks 100% Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.9% Fresh Water, 14.8ppg

Yield: 1.33 cf/sk

TOC @ surface

9-5/8" 2nd Intermediate

Lead: 435 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, 12.9 ppg

Yield: 1.85 cf/sk

TOC @ surface

Tail: 430 sacks 100% Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.8 ppg

9-5/8" 2nd Intermediate Option #2

Stage #1

Lead: 225 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, 12.9 ppg

Yield: 1.85 cf/sk

TOC @ 1500ft

Tail: 220 sacks 100% Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.8 ppg

DV Tool @ 1500ft

Stage #2

Lead: 215 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, 12.9 ppg

Yield: 1.85 cf/sk

TOC @ surface

Tail: 210 sacks 100% Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.8 ppg

5-1/2" Production Casing

Lead: 670 sacks 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

Yield: 2.91 cf/sk

TOC @ 250ft

Tail: 1480 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: 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 st Stage: 750ft of Lead & 500ft of Tail) 0ft (2 nd 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.