

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. 30-015-41499
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 Cotton Draw Unit
8. Well Number 218H
9. OGRID Number 6137
10. Pool name or Wildcat Paduca; Bone Spring (O)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3420

**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

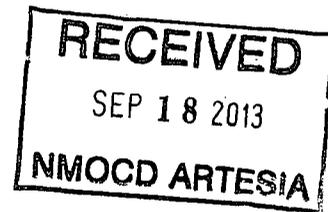
4. Well Location  
 Unit Letter M : 200 feet from the SOUTH line and 1120 feet from the WEST line  
 Section 2 Township 25S Range 31E NMPM Eddy County

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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: Add PH <input checked="" type="checkbox"/>	<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>
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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 add a pilot hole to the drilling plan for the Cotton Draw Unit 218H. Attached is the amended drilling plan that includes the Pilot Hole depth of 11,900' and the Pilot Hole Plug Back Cement. Additionally, the cement vendor was replaced from the original APD and the cement slurries components were updated to the new vendor's technology.



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 9/16/2013  
 Type or print name: Trina C. Couch E-mail address: trina.couch@dvn.com PHONE: 405-228-7203

**For State Use Only**  
 APPROVED BY: SR Wade TITLE DIST II Supervisor DATE 9/18/13  
 Conditions of Approval (if any):

**DRILLING PROGRAM SUNDRY**  
 Devon Energy Production Company, LP  
**Cotton Draw Unit 218H**

Surface Location: 200' FSL & 1120' FWL, Unit M, Sec 2, T25S R31E, Eddy, NM  
 Bottom Hole Location: 330' FNL & 660' FWL, Lot 4, Sec 2, T25S R31E, Eddy, NM

**1. Casing Program: (All casing is new and API approved.)**

Hole Size	Hole Interval	Casing OD	Casing Interval	Weight	Collar	Grade
17-1/2"	0 - 800'	13-3/8"	0 - 800'	48#	STC	H-40
12-1/4"	800' - 4,350'	9-5/8"	0 - 4,350'	40#	LTC	HCK-55
8-3/4"	4,350' - 9,700'	5-1/2"	0 - 9,700'	17#	LTC	HCP-110
8-3/4"	9,700' - 14,947'	5-1/2"	9,700' - 14,947'	17#	BTC	HCP-110

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13-3/8"	1.98	4.44	7.88
9-5/8"	1.87	1.75	3.99
5-1/2" LTC	3.28	4.06	4.67
5-1/2" BTC	2.23	2.76	2.59

**Pilot Hole Depth: 11,900' TVD**

**Proposed KOP: 9,873' TVD**

**Maximum TVD in lateral: 10,341'**

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 to be used as the injection string. All casing will be new and to API specification.

**2. Cement Program: (cement volumes Surface 100%/ Intermediate 50% Production based on at least 25% excess):**

- 13-3/8" Surface      **Tail: 870 sacks** Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.9% Fresh Water, 14.8 ppg  
**Yield: 1.33 cf/sk**  
**TOC @ surface**
- 9-5/8" Intermediate      **Lead: 840 sacks** (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, 12.9 ppg  
**Yield: 1.85 cf/sk**  
**TOC @ surface**  
**Tail: 430 sacks** Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.9% Fresh Water, 14.8 ppg  
**Yield: 1.33 cf/sk**
- Pilot Hole Plug Back      **Plug Cement: 900 sacks** Class H Cement + 0.2 BWOC HR-601 + 0.2% BWOC Halad-9 + 60.3% Fresh Water, 15.6ppg  
**Yield: 1.19 cf/sk**  
**TOC @ 9658ft**
- 5-1/2" Production 2-Stage      **Stage #1**  
**Lead: 330 sacks** (65:35) Class H Cement: Poz (Fly Ash) + 6% BWOC Bentonite + 0.25% BWOC HR-601 + 0.125 lbs/sack Poly-E-Flake + 74.1 % Fresh Water, 12.5 ppg  
**Yield: 1.96 cf/sk**  
**TOC @ 6500ft**  
**Tail: 1370 sacks** (50:50) Class H Cement: Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water, 14.5 ppg  
**Yield: 1.22 cf/sk**  
**Stage #2**  
**Tail: 550 sacks** Class C Cement + 0.2% BWOC HR-800 + 64.9% Fresh Water, 14.8 ppg  
**Yield: 1.33 cf/sk**  
**TOC @ 4200ft**

**The above cement volumes could be revised pending the caliper measurement from the open hole logs.**

**3. Proposed Mud Circulation System**

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc</u>	<u>Fluid Loss</u>	<u>Type System</u>
0 – 800'	8.4-9.6	32-34	NC	FW
800' – 4,350'	10.0	28	NC	Brine
4,350' – 14,947'	8.4-10.0	28-30	NC-12	FW

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.