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

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

Form C-103
Revised August 1, 2011

WELL API NO. 30-015-41241

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name: Pooky 4 State

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

8. Well Number: 1H

2. Name of Operator: Devon Energy Production Company, L.P.

9. OGRID Number: 6137

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

10. Pool name or Wildcat: Willow Lake; Bone Spring

4. Well Location
Unit Letter A : 207 feet from the North line and 660 feet from the East line
Section 4 Township 25S Range 28E NMPM Eddy County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3008'

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
OTHER: Cmt Chg	☒			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 a change in the cement slurry design for the production long string on the Pooky 4 State 1H, due to losing circulation during displacement on the Nermal 4 State 1H production long string cement job and not getting the TOC tied back 500' into the 9 5/8" intermediate casing. The change in slurry is reflected on the attached Drilling Plan.

Attachments: Drilling Plan

RECEIVED
JUL 03 2013
NMOCD ARTESIA

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: 7/1/2013

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

For State Use Only

APPROVED BY: Wade TITLE Dist II Supervisor DATE 7/3/13

Conditions of Approval (if any):

Pooky 4 State Com 1H – APD DRILLING PLAN
JSL 04-02-2013

Casing Program

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
17-1/2"	0 – 170	13-3/8"	0 – 170	48#	STC	H-40
12-1/4"	170 – 2,500	9-5/8"	0 – 2,500	40#	LTC	J-55
8-3/4"	2,500 – 7,000	5-1/2"	0 – 7,000	17#	LTC	HCP-110
8-3/4"	7,000 – 12,737	5-1/2"	7,000 – 12,737	17#	BTC	HCP-110

Note: only new casing will be utilized

MAXIMUM LATERAL TVD **8,150'**

Design Factors:

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13-3/8", 48#, H-40, ST&C	8.72	19.59	39.46
9-5/8", 40#, J-55 BTC	1.98	3.04	5.20
5-1/2" 17# HCP-110 LTC	2.62	3.25	3.74
5-1/2" 17# HCP-110 BTC	2.28	3.25	2.62

Mud Program:

Depth	Mud Wt.	Visc.	Fluid Loss	Type System
0 – 170	8.4 – 9.0	30 – 34	N/C	FW
170 – 2,500	9.8 – 10.0	28 – 32	N/C	Brine
2,500 – 12,737	8.6 – 9.0	28 – 32	N/C-12	FW

Pressure Control Equipment:

The BOP system used to drill the intermediate hole will consist of a 13-5/8" Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2, a 3M system will be installed and tested prior to drilling out the surface casing shoe.

The BOP system used to drill the production hole will consist of a 13-5/8" Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 a 3M system will be installed prior to drilling out the intermediate casing shoe.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. 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.

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

Cementing Program (cement volumes based on 100% excess Surface, 50% excess Intermediate and at least 25% excess Production.)

13-3/8" Surface	170 ft	**TOC @ surface** **Tail**: 180 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 63.1% Fresh Water, 14.8 ppg **Yield:** 1.35 cf/sk
9-5/8" Intermediate	2500ft/1500ft	**Lead**:380 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** **1000 ft Tail**: 360 sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.8 ppg **Yield**: 1.33 cf/sk
5-1/2" Production		**Lead:** 600 sacks Tuned Light system Class C based Cement + 3 lbs/sack Kol-Seal + 0.125 lbs/sack Poly-E-Flake + 0.2 lbs/sack HR-800, 10.2 ppg **Yield**: 2.94 cf/sk **Tail:** 1330 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
Intermediate:	0
Production:	2000 ft

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