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 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 type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		WELL API NO. 30-025-42355 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> 6. State Oil & Gas Lease No.
2. Name of Operator Devon Energy Production Company, LP		7. Lease Name or Unit Agreement Name Rattlesnake 16 SWD 8. Well Number 1
3. Address of Operator 333 West. Sheridan Avenue Oklahoma City, OK 73102-5015 405-552-6558		9. OGRID Number 6137 10. Pool name or Wildcat SWD: Dev-Fus-Mon-Simp (98109)
4. Well Location Unit Letter <u>E</u> : <u>2375</u> feet from the <u>N</u> line and <u>210</u> feet from the <u>W</u> line Section <u>16</u> <u>26S</u> Township <u>34E</u> Range <u>NMPM</u> Lea County		
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3337.3' GR		

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input checked="" 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: <input type="checkbox"/>		SUBSEQUENT REPORT OF: 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 Co., L.P. respectfully requests approval to revise the approved drill plan as follows:

- Updated the geological marker table based on the latest geoprogram
 - 12-1/4" hole depth and associated 9-5/8" casing setting depth changed to 12,900' MD/TVD (this is the deepest we "could" set casing; however, may set shallower)
 - 9-5/8" design factors updated
 - 8-1/2" hole section updated with a TD ~20' from the top of the Devonian based on the new geoprogram
 - 7-5/8" liner changed to 7" 32#; associated design factors updated
 - Open hole section changed to 6" from 6-1/8" (we can't drill 6-1/8" thru 7" 32#)
 - Fluid for 8-1/2" hole section changed to OBM; MW window updated to include up to 16.0ppg fluid
 - 9-5/8" casing lead cement changed to 10.8ppg Tuned Light and cement volumes updated
 - Cement volumes updated for 7" liner
 - TOC for 9-5/8" changed to 5,100' which is 200' tieback
 - TOC for 7" liner changed to TOL which is 500' of liner lap
- See attached revised drill plan

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

SIGNATURE [Signature] TITLE: Regulatory Specialist DATE: 6/23/2015

Type or print name: David H. Cook E-mail address: david.cook@dvn.com PHONE: 405-552-7848

For State Use Only

APPROVED BY: [Signature] TITLE: Petroleum Engineer DATE: 06/23/15

Conditions of Approval (if any):

JUN 24 2015

KCV

DRILLING PROGRAM

Devon Energy Production Company, L.P.
Rattlesnake 16 SWD 1

1. **Geologic Name of Surface Formation: Quaternary**

2. **Estimated Tops of Geological Markers & Depths of Anticipated FW, Oil, or Gas:**

FORMATION NAME	TVD	Water, Oil/Gas
Rustler	706	
Top of Salt	1,173	
Castile	3,460	
Base of Salt	5,040	
Delaware	5,320	Oil
Bell Canyon	5381	Oil
Cherry Canyon	6409	Oil
Brushy Canyon	8083	Oil
Bone Spring	9572	Oil / Gas
1st BSPG Sand	10556	Oil / Gas
2nd BSPG Lime	11021	Oil / Gas
2nd BSPG Sand	11144	Oil / Gas
3rd BSPG Lime	11533	Oil / Gas
3rd BSPG Sand	12186	Oil / Gas
Wolfcamp	12593	Oil / Gas
Pennsylvanian	14,602	Oil / Gas
Strawn	14,013	Oil / Gas
Atoka	14,683	Gas
Morrow	15,529	Gas
Barnett	16,926	
Mississippian Lime	17,599	
Woodford	18266	
Devonian	18476	
Fusselman	19648	
Montoya	20140	
Simpson Group	20581	
Ellenburger	21121	
Estimated well Total Depth	TVD: 21,000	MD:

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 a 2M system per BLM Onshore Oil and Gas Order 2 prior to drilling out the casing shoe.

A 3M 13-5/8" BOP system (Double Ram and Annular preventer) will be installed and tested prior to drilling out the first intermediate hole section. The BOP system will be tested as a 3M system per BLM Onshore Oil and Gas Order 2 prior to drilling out the casing shoe.

A 5M 13-5/8" BOP system (Double Ram and Annular preventer) will be installed and tested prior to drilling out the second intermediate hole section. The BOP system will be tested as a 5M system per BLM Onshore Oil and Gas Order 2 prior to drilling out the casing shoe.

A 10M 13-5/8" BOP system (Double Ram and Annular preventer) will be installed and tested prior to drilling out the third intermediate and open/injection hole sections. The BOP system will be tested as a 10M system per BLM Onshore Oil and Gas Order 2 prior to drilling out the 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 10,000 psi WP.

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line); **if an H&P rig drills this well. Otherwise no flex line is needed.** The line will be kept as straight as possible with minimal turns.

Auxiliary Well Control and Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.

3. Casing Program:

Hole Size	Hole Interval	Casing OD	Casing Interval	Weight (lb/ft)	Collar	Grade	Collapse Design Factor	Burst Design Factor	Tension Design Factor
26"	0 - 750'	20"	0 - 750'	94	BTC	J-55	1.41	5.71	20.16
17-1/2"	750-5300'	13-3/8"	0-5300'	68	BTC	HCP-110	1.09	1.25	3.16
12-1/4"	5300-12900'	9-5/8"	0-12900'	47	BTC	HCP-110	1.28	1.14	1.75
8-1/2"	12900-18460'	7"	12400-18460'	32	BTC	HCP-110	1.10	1.29	3.4
6"	18460-21000'	Open hole							

Casing Notes:

- All casing is new and API approved
- Casing will never be completely evacuated

Maximum TVD: 21000'

4. Proposed mud Circulations System:

Depth	Mud Weight	Viscosity	Fluid Loss	Type System
0 - 750'	8.3	30-34	N/C	FW
750-5300'	10.0	28-32	N/C	Brine
5300-12900'	9.0-9.5	28-32	N/C	FW
12900-18460'	13.0-16.0	35-45	<10	OBM
18460-21000'	8.3-8.6	28-32	N/C	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.

5. Cementing Table:

String	Number of sx	Weight lbs/gal	Water Volume gal/sx	Yield cf/sx	Stage; Lead/Tail	Slurry Description
20" Surface	1730	14.8	6.32	1.33	Tail	Class C Cement + 63.5% Fresh Water
13-3/8" 1 st Intermediate	2750	12.9	9.81	1.85	Lead	(65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 71.4 % Fresh Water
	950	14.8	6.32	1.33	Tail	Class C Cement + 63.5% Fresh Water
9-5/8" 2 nd Intermediate	993	10.8	9.81	1.85	Lead	(65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 71.4 % Fresh Water
	960	14.4	5.75	1.24	Tail	50% Premium H / 50% PozMix + 0.2% BWOC Halad-9 + 0.2% BWOC HR-800 + 64.7% Fresh Water
7" Drilling Liner						
	815	14.5	5.31	1.21	Tail	(50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.25% bwoc CFR-3 + 0.2% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water

TOC for all Strings:

Surface @ 0'
 Intermediate I @ 0'
 Intermediate II @ 5100'
 Production @ 12400' (TOL)

Notes:

- Cement volumes Surface 100%, 1st Intermediate 75%, 2nd Intermediate 50% and 3rd Intermediate based on at least 25% excess.
- Actual cement volumes will be adjusted based on fluid caliper and/or caliper log data