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 July 18, 2013

WELL API NO.
30-025-42355

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.)

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

7. Lease Name or Unit Agreement Name
Rattlesnake 16 SWD

8. Well Number
1

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
SWD; Dev-Fus-Simp (98109)

4. Well Location
Lot Number __E__ : __2375__ feet from the _NORTH___ line and _210___feet from the _WEST___line
Section 16 Township 26S Range 34E NMPM Lea County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3337.3' GL

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	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER: Casing Change	☒			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. is respectfully requesting to set 7" casing shallower at ~17,950' TVD which is ~30 ft into the Mississippian Lime; then reduce mud weight to ~10ppg saturated brine to drill 6" hole through the Mississippian line and Woodford shale; reduce mud weight further to 8.5-9.0 ppg and continue drilling to TD.

Please see summary of requested changes attached

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 Analyst DATE 7/31/2015

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

For State Use Only

APPROVED BY: TITLE Petroleum Engineer DATE 07/31/15

Conditions of Approval (if any):

JUL 31 2015

Rattlesnake 16 SWD 1

Current Well Status

- Drilling 8-1/2" hole w/ 15.5ppg oil based mud at 17,830' MD/17,826' TVD
- Preparing to run 7" 32# HCP110 liner

Change Requested

- Original 7" casing seat was planned to be ~18,470' TVD (top of the Devonian and the injection zone); and then drill a 6" hole w/ ~8.5-9.0ppg cut brine to TD of injection interval
- Requesting to set 7" casing shallower at ~17,950' TVD which is ~30ft into the Mississippian Lime; then reduce mud weight to ~10ppg saturated brine to drill 6" hole through the Mississippian lime and Woodford shale; reduce mud weight further to 8.5-9.0ppg and continue drilling to TD

Reason For Change

- Offset wells indicate that a lost returns risk exists within the Mississippian lime which poses significant well control risk if we are unable to maintain our current mud weight of 15.0-15.5ppg
- Setting 7" prior to the loss zone is supported by our immediate Devonian offsets which share a similar casing seat and drilling through the Miss Lime and Woodford shale with 8.5-9.0ppg cut brine

Summary of Design Changes below:

1. **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"	12900-17950'	7"	12400-17950'	32	BTC	HCP-110	1.10	1.29	3.4
6"	17,950'-18,470'	5"	17,800'-18,470'	18	FMJ	P-110	2.69	1.34	31.0
6"	~18470-21000'	Open hole							

Casing Notes:

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

Maximum TVD: 21000'

2. 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
12900-17950'	13.0-16.0	35-45	<10	OBM
17950-21000'	8.3-10.0	28-32	N/C	Cut Brine