

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. 30-015-29605
5. Indicate Type of Lease Fed X STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Ross Ranch 10
8. Well Number 1
9. OGRID Number 6137
10. Pool name or Wildcat <u>97003</u> <u>Delaware SWD; Cherry Cyn</u>

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 SWD

2. Name of Operator  
Devon Energy Production Company, LP

3. Address of Operator  
333 West. Sheridan Avenue  
Oklahoma City, OK 73102-5015 405-552-6558

4. Well Location  
Unit Letter H : 1980 feet from the N line and 660 feet from the E line  
Section 10 Township 26S Range 31E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3216'

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: Step Rate Test ☒

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.

In reference to BLM approved Electronic Submission #323618 on November 17, 2015, Devon Energy Production Company, L.P. requests adjustments to previously submitted procedure. Due to inconclusive data results received during initial Step Rate Test procedure, Devon Energy requests to perform well intervention operations in attempt to clean up wellbore and perform a Step Rate Test as per below schedule. All work performed will follow and reference previously approved Conditions of Approval.

1. Wait on NMOCD sundry review and approval of sundry.
  2. Perform well intervention operations, flow well back to clean up.
  3. Notify NMOCD 24 hours before beginning test.
  4. Discontinue injection for minimum 48 hours prior to test. Document pressures.
  5. MIRU pumps, iron and stage injection fluid.
  6. Initiate injection at a rate of 18 GPM. Step up rates in 7 stages, each for 30 minutes, to maximum of 150 GPM. Hold final rate for 45 minutes.
  7. Shut in and record pressures.
  8. Conclude test and RDMO pumps.
  9. Run MIT test and chart. File MIT w/NMOCD office.
  10. Return well to injection.
- Step Rate Test Attached.

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

SIGNATURE Linda Good TITLE: Regulatory Specialist DATE 7/18/2016

Type or print name: Linda Good E-mail address: linda.good@devon.com PHONE: 405-552-6558

For State Use Only

APPROVED BY: RUTHPO / NGLS TITLE COMPLIANCE OFFICER DATE 7/18/16  
Conditions of Approval (if any):

## STEP RATE TEST DATA for BLM CFO

Operator: Devon Energy Production Company, LP

Well: ROSS RANCH 10 FEDERAL-1

API#: 3001529605

Lease: NM89057

Data Collection Date:

Sic Loc: T26S-R31E, 10.1980n660e

< Input cell(s)

Tbg O.D.: Tbg Wt.: Grade: Coupling: Packer at:  
 Top Injection Depth: **5118** X 0.20psig/ft = Expected Surface Fracture psig: **1023.6**  
 With Mud Wt Scale: lbs/gal Msrd No Flow Formation psig: at Depth: **5118**  
 Injection fluid lbs/gal: Hydrostatic Pressure of fluid at top depth of injection:  
 Beginning Wellhead psig: Target Maximum Rate: bpd(barrels per day): **5150**

1. Take a charted record of shut in psig for no less than 48 hours. If the wellhead shut in psig is not less than the approved injection pressure, bleed the wellhead pressure below that approved injection pressure before beginning the Step Rate Test.
2. Perform a minimum of seven steps, recording rate to  $\pm 0.1$  bpm and surface pressures to  $\pm 10$  psig in five minute intervals. The first two step rate pressures must be below 0.2psig/ft x depth at top of injection.
3. The last two five minute surface pressure readings of each (minimum 30 minute) step are to be within 15psig of each other. If not, hold that step injection rate past the 30 minute step until two consecutive pressure readings are within 15psig. Record the average of those two readings as the Data Point for that Step #.

Step 1							bpm pmp'd for Step 1	
Target Test Rate (5% of maximum bpd/1440 = 0.2							bpm (barrels per minute) for Step 1	
Time:	5 min	10 min	15 min	20 min	25 min	30 min	Start Time:	
Surface (psig):							End Time:	
Formation (psig):							Point #1	
bpm:							Sic psig:	
Time:	35 min	40 min	45 min	50 min	55 min	60 min	F psig:	
Surface (psig):							bpm:	
Formation (psig):							bpd:	0
bpm:							target bpd:	258

Step 2							bpm pmp'd for Step 2	
Target Test Rate (10% of maximum bpd/1440 = 0.4							bpm for Step 2	
Time:	5 min	10 min	15 min	20 min	25 min	30 min	Start Time:	
Surface (psig):							End Time:	
Formation (psig):							Point #2	
bpm:							Sic psig:	
Time:	35 min	40 min	45 min	50 min	55 min	60 min	F psig:	
Surface (psig):							bpm:	
Formation (psig):							bpd:	0
bpm:							target bpd:	515

Step 3							bpm pmp'd for Step 3	
Target Test Rate (20% of maximum bpd/1440 = 0.7							bpm for Step 3	
Time:	5 min	10 min	15 min	20 min	25 min	30 min	Start Time:	
Surface (psig):							End Time:	
Formation (psig):							Point #3	
bpm:							Sic psig:	
Time:	35 min	40 min	45 min	50 min	55 min	60 min	F psig:	
Surface (psig):							bpm:	
Formation (psig):							bpd:	0
bpm:							target bpd:	1030

## STEP RATE TEST DATA for BLM, CFO

Operator: Devon Energy Production Company, LP

Well: ROSS RANCH 10 FEDERAL-1

API#: 3001529605

Lease: NM89057

Data Collection Date:

Sfc Loc: T26S-R31E,10.1980n660e

<b>Step 4</b>							bpm pmp'd for Step 4	
Target Test Rate (40% of maximum bpd/1440 = <b>1.4</b> bpm for <b>Step 4</b> )								
Time:	5 min	10 min	15 min	20 min	25 min	30 min	Start Time:	
Surface (psig):							End Time:	
Formation (psig):							<b>Point #4</b>	
Rate bbl/min:							Sfc psig:	
Time:	35 min	40 min	45 min	50 min	25 min	60 min	F psig:	
Surface (psig):							bpm:	
Formation (psig):							bpd:	0
bpm:							target bpd:	2060

<b>Step 5</b>							bpm pmp'd for Step 5	
Target Test Rate (60% of maximum bpd/1440 = <b>2.1</b> bpm for <b>Step 5</b> )								
Time:	5 min	10 min	15 min	20 min	25 min	30 min	Start Time:	
Surface (psig):							End Time:	
Formation (psig):							<b>Point #5</b>	
bpm:							Sfc psig:	
Time:	35 min	40 min	45 min	50 min	25 min	60 min	F psig:	
Surface (psig):							bpm:	
Formation (psig):							bpd:	0
bpm:							target bpd:	3090

<b>Step 6</b>							bpm pmp'd for Step 6	
Target Test Rate (80% of maximum bpd/1440 = <b>2.9</b> bpm for <b>Step 6</b> )								
Time:	5 min	10 min	15 min	20 min	25 min	30 min	Start Time:	
Surface (psig):							End Time:	
Formation (psig):							<b>Point #6</b>	
Rate bbl/min:							Sfc psig:	
Time:	35 min	40 min	45 min	50 min	25 min	60 min	F psig:	
Surface (psig):							bpm:	
Formation (psig):							bpd:	0
bpm:							target bpd:	4120

<b>Step 7</b>							bpm pmp'd for Step 7	
Target Test Rate (100% of maximum bpd/1440 = <b>3.6</b> bpm for <b>Step 7</b> )								
Time:	5 min	10 min	15 min	20 min	25 min	30 min	Start Time:	
Surface (psig):							End Time:	
Formation (psig):							<b>Point #7</b>	
bpm:							Sfc psig:	
Time:	35 min	40 min	45 min	50 min	25 min	60 min	F psig:	
Surface (psig):							bpm:	
Formation (psig):							bpd:	0
bpm:							target bpd:	5150

Instant Shut In Pressure:  
 5 minute Shut In Pressure:  
 10 minute Shut In Pressure:  
 15 minute Shut In Pressure: