

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OM B No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

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

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

3a. Address  
**PO Box 6459, Farmington, NM 87419**

3b. Phone No. (include area code)  
**505-632-0244**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**2,215' FSL & 830' FEL, Unit I, NE SE, Sec. 30, T31N, R6W**

5. Lease Serial No.

**NM 03357**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**Northeast Blanco Unit**

8. Well Name and No.

**NEBU 219M**

9. API Well No.

**30-045-29507**

10. Field and Pool, or Exploratory Area

**Blanco Mesaverde / Rosa PC**

11. County or Parish, State

**Rio Arriba  
San Juan, NM**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

- |                                               |                                           |                                                    |                                                                  |
|-----------------------------------------------|-------------------------------------------|----------------------------------------------------|------------------------------------------------------------------|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                          |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                          |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <b>Drilling Survey</b> |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | <b>Change</b>                                                    |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |                                                                  |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**Devon Energy Production Company, L.P. gives notification of Drilling Survey change. Attached is a copy of the new Survey, Plot, and Drilling Plan. Also attached is the original C-102 which has not changed.**



**CONDITIONS OF APPROVAL**  
Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Melisa Zimmerman**

Title **Senior Operations Technician**

Signature

*M.S. Zimmerman*

Date

**11-3-05**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

*Adrian Brumley*

Title

**Pet. Eng**

Date

**11/8/05**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

**FFO**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**HOLD C124 FOR Directional Survey**  
**NMOCD**

**NEBU 219M**  
**Unit I 30-T31N-R6W**  
**San Juan Co., NM**

**DRILLING PLAN**

**1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS & ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:**

| <b>Formation</b>       | <b>TVD<br/>(FT)</b> | <b>TMD<br/>(FT)</b> | <b>Hydrocarbon/Water<br/>Bearing Zones</b> |
|------------------------|---------------------|---------------------|--------------------------------------------|
| San Jose               | Surface             | Surface             |                                            |
| Ojo Alamo              | 2431                | 2624                | Aquifer                                    |
| Kirtland               | 2549                | 2758                |                                            |
| Fruitland              | 2983                | 3234                | Gas                                        |
| Pictured Cliffs Tongue | 3354                | 3614                | Gas                                        |
| Pictured Cliffs Main   | 3435                | 3695                | Gas                                        |
| Lewis                  | 3562                | 3823                | Gas                                        |
| <b>Intermediate TD</b> | 3702                | 3963                |                                            |
| Mesaverde              | 4191                | 4452                | Gas                                        |
| Chacra \ Otera         | 4585                | 4846                | Gas                                        |
| Cliff House            | 5404                | 5665                | Gas                                        |
| Menefee                | 5441                | 5702                | Gas                                        |
| Point Lookout          | 5685                | 5946                | Gas                                        |
| Mancos                 | 6000                | 6261                | Gas                                        |
| <b>TD</b>              | 6100                | 6361                |                                            |

\*All shows of fresh water and minerals will be adequately protected and reported.

**2. PRESSURE CONTROL EQUIPMENT:**

All well control equipment shall be in accordance with Onshore Order #2 for 2M systems.

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram, which shows the size, and pressure ratings.

2000# BOP With Pipe Rams and 2000# BOP With Blind Rams

Auxiliary equipment to be used:

- Upper kelly cock with handle available.

The manifold includes appropriate valves and adjustable chokes. The kill line will have one check valve. Ram type preventers will be pressure tested to full working pressure (utilizing a test plug) or 70% of the internal yield pressure (without a test plug) at:

- Initial installation
- Whenever any seal subject to test pressure is broken
- Following related repairs
- At 30 day intervals

Pipe and blind rams shall be activated each trip.

A BOPE pit level drill will be conducted weekly for each drilling crew.  
All tests and drills will be recorded in the drilling log.

The accumulator will have sufficient capacity to close all rams and retain 200 psi above pre-charge pressure without the use of closing unit pumps.

Master controls will be at the accumulator. Anticipated bottom hole pressure is 3400 psi.

### 3. CASING & CEMENTING PROGRAM:

A. The proposed casing program will be as follows:

| TVD          | Hole Size | Size   | Grade | Weight | Thread | Condition |
|--------------|-----------|--------|-------|--------|--------|-----------|
| 320<br>0-285 | 12-1/4"   | 9-5/8" | H-40  | 32#    | STC    | New       |
| 0-TD         | 6-1/4"    | 4-1/2" | J-55  | 11.6#  | LTC    | New       |

TMD  
6361'

The 9-5/8" surface pipe will be tested to 750 psi. All casing strings below the surface shoe shall be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% minimum internal yield.

**Surface:** The bottom three joints of the surface casing will have a minimum of one centralizer per joint and one centralizer every joint thereafter (Total 5 centralizers estimated)

**Intermediate:** The bottom three joints of the 7" casing will have a minimum of one centralizer per joint and one centralizer every fifth joint thereafter to above Ojo Alamo with turbolizers below and throughout the Ojo Alamo. (Total 12 centralizers, 3 turbolizers estimated).

**Production:** The bottom three joints will have a minimum of one centralizer per joint and one centralizer every fifth joint to 3400' (estimated 25 centralizers used). Centralizers will be open bow spring or basket bow spring type.

B. The proposed cementing program will be as follows:

**Surface String:** Cement will be circulated to surface.

220 ft<sup>3</sup>

**Lead:** 200 sks Class "B" with 100% Standard Cement, 2.00% CaCl<sub>2</sub>, .25 #/sk Flocele. Density: 15.6 lb/gal; Yield: 1.18 cuft/sk; Water: 5.24 gal/sk \*

\* **Minor variations possible due to existing conditions**

**Surface String:**

9-5/8" Surface cemented in a 12-1/4" hole at 285'.

32.3# H-40 ST&C 8 Rnd

Saw tooth guide shoe

Cemented with 200 sacks Class B mixed at 15.6 ppg w/.25 pps

Celloflake, 2% calcium chloride. Yield 1.19 ft<sup>3</sup>/sx, cement

Designed to circulate to surface.

\* **Minor variations possible due to existing conditions**

**Production String:**

4-1/2" Production casing cemented in an 6-1/4" hole

11.6# J-55 LT&C 8 Rnd

Float collar

Joint

Float Shoe

Cement with 500 sacks Class B 50/50 POZ, 3% gel, 5# gilsonite,

1/4"# Flocele, .1% CFR 3, .2% Halad 344, yield 1.47 ft<sup>3</sup>/sx.

Cement designed to circulate to surface.

Pending hole conditions, cement baskets may be installed above TD

\* **Minor variations possible due to existing conditions**

Actual volumes will be calculated and adjusted with caliper log prior to cementing.

If hole conditions dictate an alternate cement design will be used.

1199 ft<sup>3</sup>

**Lead:** 500 Sx Of 50/50/Std/ Poz, Yd-1.45, Water Gal/Sk 6.8, Mixed @ 13ppg Foamed W/ N<sub>2</sub> Down To 9.0# Additives 2% Gel, 0.2% Versaset, 0.1% Diacel Lwl. 2.18 ft<sup>3</sup>/sx when foamed

**Tail:** 75 Sx50/50/Std/ Poz, Yd-1.45, Water Gal/Sk 6.8, Additives 2% Gel, 0.2% Versaset, 0.1% Diacel Lwl.

\* **Minor variations possible due to existing conditions**

**4. DRILLING FLUIDS PROGRAM:**

| TVD          | Type      | Weight (ppg) | Viscosity | pH  | Water Loss | Remarks       |
|--------------|-----------|--------------|-----------|-----|------------|---------------|
| 0-285<br>320 | Spud      | 8.4-9.0      | 29-70     | 8.0 | NC         | FW gel,       |
| 285-TD       | LSND /Air | 8.4-9.0      | 29-70     | 8.0 | 10-12      | LCM as needed |

NC = no control

Sufficient quantities of mud material will be maintained on site or be readily accessible for the purpose of assuring well control. SPR will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

## **5. EVALUATION PROGRAM:**

**Logs:** Density  
Neutron  
Induction

In the event open hole logs are not run in the well, a cased hole evaluation log will Be run from

**Survey:** Deviation surveys will be taken every 500' of the 8 3/4" hole, or first succeeding bit change. The hole will be air drilled from intermediate TD – well TD. The equipment used in this type of operation will not allow for single shot suveys without considerable operational delays. A survey will be taken at TD. Similar wells in this area have not shown significant deviation in this section of the hole.

**Cores:** None anticipated.

**DST's:** None anticipated.

## **6. ABNORMAL CONDITIONS:**

The Fruitland Coal will be encountered within the 8 3/4" hole. Estimated formation pressure is 300 psi. No other abnormal pressures and/or temperatures are expected. No hydrogen sulfide should be present.

## **7. OTHER INFORMATION:**

The anticipated starting date and duration of the operation will be as follows:

|                |               |
|----------------|---------------|
| Starting Date: | Upon Approval |
| Duration:      | 20 days       |

If the well is completed as a dry hole or as a producer, Well Completion or Recompletion Report and Log (Form 3160-4) will be submitted within 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3160. Copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, daily drilling reports, daily completion reports, and all other surveys or data obtained and compiled during the drilling, completion, and/or workover operations, will be submitted directly to the Authorized Officer or filed with Form 3160-4.

District I  
PO Box 1980, Hobbs NM 88241-1980  
District II  
PO Drawer KK, Artesia, NM 87211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

2005 NOV 7 12 53

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                 |  |                                       |  |                                       |               |  |
|-----------------|--|---------------------------------------|--|---------------------------------------|---------------|--|
| 1 API Number    |  | 2 Pool Code                           |  | 3 Pool Name                           |               |  |
|                 |  | 72319/96175                           |  | Blanco Mesaverte/Rosa Pictured Cliffs |               |  |
| 4 Property Code |  | 5 Property Name                       |  |                                       | 6 Well Number |  |
| 19641           |  | NEBU                                  |  |                                       | # 219M        |  |
| 7 OGRID No.     |  | 8 Operator Name                       |  |                                       | 9 Elevation   |  |
| 6137            |  | Devon Energy Production Company, L.P. |  |                                       | 6485          |  |

10 Surface Location

|               |         |          |       |         |               |                  |               |                |            |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| UL or Lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
| I             | 30      | 31 N     | 6 W   |         | 2215          | SOUTH            | 830           | EAST           | Rio Arriba |

11 Bottom Hole Location If Different From Surface

|                 |         |          |       |         |               |                  |               |                |            |
|-----------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| 1 UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
| P               | 30      | 31 N     | 6 W   |         | 1015          | SOUTH            | 830           | EAST           | Rio Arriba |

|                    |                    |                       |              |
|--------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
| 160 AC             |                    |                       |              |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

|    |       |    |                                                                        |      |       |                                                                                                                                                                                                                                                                                                       |
|----|-------|----|------------------------------------------------------------------------|------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16 | 52711 | 30 | Bottom Hole Location<br>1015' F/SL 830' F/EL<br>Azimuth - 179°59' 1200 | 830' | 52812 | 17 OPERATOR CERTIFICATION<br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.<br><br>Signature: <i>M.S. Zimmerman</i><br>Printed Name: <i>Melisa Zimmerman</i><br>Title: <i>Sr. Operations Technician</i><br>Date: <i>10-30-05</i> |
|    |       |    |                                                                        |      |       |                                                                                                                                                                                                                                                                                                       |

Rio Arvico

