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Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 03 2015

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010Farmington Field Office
Bureau of Land Management

SF-080724A

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 page 2.

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

2. Name of Operator

Burlington Resources Oil & Gas Company LP

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No. (include area code)

(505) 326-9700

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

UNIT O (SWSE), 1100' FSL & 1585' FEL, SEC. 35, T29N, R10W

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

ZACHRY #17E

9. API Well No.

30-045-24801

10. Field and Pool or Exploratory Area

OTERO CHACRA / BASIN DK

11. Country or Parish, State

San Juan, New Mexico

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Acidize☐ Deepen☐ Production (Start/Resume)☐ Water Shut-Off☐ Subsequent Report☐ Alter Casing☐ Fracture Treat☐ Reclamation☐ Well Integrity☐ Casing Repair☐ New Construction☐ Recomplete☐ Other☐ Final Abandonment Notice☐ Change Plans☒ Plug and Abandon☐ Temporarily Abandon☐ Convert to Injection☐ Plug Back☐ 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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Burlington Resources Oil & Gas request permission to P&A this well per the attached procedure, current and proposed wellbore schematics. The pre-disturbance site visit was conducted on 5/26/15 with Bob Switzer as the BLM representative. The Revegetation Plan is attached. A closed loop system will be utilized with this project.

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

Notify NMOCD 24 hrs prior to beginning operations

OIL CONS. DIV DIST. 3

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

JUN 11 2015

H₂S POTENTIAL EXIST

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

Patsy Clugston

Staff Regulatory Technician

Title

Signature

Date

5/29/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title PE

Date 6/5/2015

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

(Instruction on page 2)

NMOCD

ConocoPhillips
ZACHRY 17E
Expense - P&A

Lat 36° 40' 42.636" N

Long 107° 51' 2.952" W

PROCEDURE

NOTE: This project requires the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

1. Hold pre-job safety meeting. Comply with all NMOC, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig. Before RU, run WL remove downhole equipment. If an obstruction is found, set a locking-3-slip-stop in the tubing.

2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in Wellview. If there is pressure on the BH, contact the Wells Engineer.

3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.

5. ND wellhead and NU BOPE. Pressure and function test BOP to 250 psi low and 1,000 psi over SICP high to a maximum of 2,000 psi held and charted for 10 minutes as per COP Well Control Manual. PU and remove tubing hanger

6. TOOH with tubing (per pertinent data sheet).

Tubing size: 2-3/8" 4.7# J-55 EUE

Set Depth: 6,579'

KB: 13.5'

7. PU 3-7/8" bit and watermelon mill and round trip as deep as possible above top perforation at 6,447'.

8. PU 4-1/2" CR on tubing, and set at 6,397'. Pressure test tubing to 1,000 psi. Sling out of CR. Load hole, and pressure test casing to 800 psi. If casing does not test, then spot or tag subsequent plugs as appropriate. POOH w/ tubing.

9. RU wireline and run CBL with 500 psi on casing from CR to surface to identify TOC. Adjust plugs as necessary for new TOC. Email log copy to Troy Salyers (BLM) at tsalyers@blm.gov and Brandon Powell (NMOC) at brandon.powell@state.nm.us upon completion of logging operations.

All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class B mixed at 15.6 ppg with a 1.18 cf/sk yield.

7. Plug 1 (Dakota Perforations, Dakota and Graneros formation tops, 6,297'-6,397', 12 Sacks Class B Cement)

Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the perforations, Dakota and Graneros formation tops. PUH.

8. Plug 2 (Gallup formation top, 5,498'-5,598', 12 Sacks Class B Cement)

Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Gallup formation top. PUH.

9. Plug 3 (Mancos formation top, 4,670'-4,770', 51 Sacks Class B Cement)
See COA

RIH and perforate 3 squeeze holes at 4,770'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 4,720'. Mix 51 sx Class B cement. Squeeze 39 sx outside the casing, leaving 12 sx inside the casing to cover the Mancos formation top. POOH.

10. Plug 4 (Mesaverde formation top, 3,554'-3,654', 51 Sacks Class B Cement)

RIH and perforate 3 squeeze holes at 3,654'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 3,604'. Mix 51 sx Class B cement. Squeeze 39 sx outside the casing, leaving 12 sx inside the casing to cover the Mesaverde formation top. POOH.

11. Plug 5 (Chacra Perforations, Chacra formation top, 2,873'-2,973', 12 Sacks Class B Cement)

Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the perforations and Chacra formation top. PUH.

12. Plug 6 (Pictured Cliffs formation top, 1,986'-2,086', 12 Sacks Class B Cement)

Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Pictured Cliffs formation top. PUH.

13. Plug 7 (Fruitland formation top, 1,517'-1,617', 12 Sacks Class B Cement)
See COA

Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Fruitland formation top. PUH.

See COA

14. Plug 8 (Ojo Alamo and Kirtland formation tops, 869'-1,108', 22 Sacks Class B Cement)

Mix 22 sx Class B cement and spot a balanced plug inside the casing to cover the Ojo Alamo and Kirtland formation tops. PUH.

15. Plug 9 (Surface Casing Shoe and Surface, 0'-344', 97 Sacks Class B Cement)

Part 1: Mix 11 sx Class B cement and spot a balanced plug inside the casing from 344'-250'. POOH.

Part 2: RU WL and perforate 4 big hole charge (if available) squeeze holes at 245'. TOOH and RD wireline. Observe well for 30 minutes per BLM regulations. RU pump, close blind rams and establish circulation out bradenhead with water. Circulate BH clean. TIH with 4-1/2" CR and set at 195'. Mix 63 sx Class B cement and squeeze until good cement returns to surface out BH valve. Shut BH valve and squeeze to max 200 psi. Sting out of CR and reverse circulate cement out of tubing. TOOH and LD stinger. TIH with open ended tubing to 245'. Mix 23 sx Class B cement and pump inside plug. TOOH and LD Tubing. SI well and WOC.

16. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.



Basic - Schematic - Current

ZACHRY #17E

| | | | | |
|---------------------------------|---|---------------------------------------|---|------------------------------|
| District SOUTH | Field Name BSN DK(PRO GAS) #0068 | API / UWI 3004524801 | County SAN JUAN | State/Province NEW MEXICO |
| Original Spud Date 2/11/1981 | Surface Legal Location 035-029N-010W | East/West Distance (ft) 1,585.00 E | North/South Distance (ft) 1,100.00 N | North/South Reference |

Original Hole, 4/9/2015 9:44:12 AM

| Vertical schematic (actual) | MD (ft) | Formation Tops |
|--|---------|-----------------|
| | 13.5 | |
| | 15.1 | |
| TOC @ 250' (Temperature Survey 2/81) | 250.0 | |
| | 294.3 | |
| | 297.9 | |
| | 919.9 | OJO ALAMO |
| | 1,059.1 | KIRTLAND |
| | 1,566.9 | FRUITLAND |
| | 1,755.9 | FRUITLAND C... |
| | 2,036.1 | PICTURED CL... |
| | 2,109.9 | LEWIS |
| Hydraulic Fracture; 5/3/1981; Frac'd w/ 700 gal 7 1/2% NE HCl, 67,500# 20/40 sand and 52,000 gal 70-30 foam PERF - CHACRA; 3,023.0-3,152.0; 5/3/1981 | 3,015.1 | CHACRA |
| Stage Tool @ 3227' | 3,023.0 | |
| Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 13.6 ft/KB; 6,548.1 ft/KB | 3,151.9 | |
| TOC @ 3690' (Volume Calculation) | 3,225.1 | |
| | 3,227.0 | |
| | 3,604.0 | UPPER CLIFF... |
| | 3,690.0 | MASSIVE CLIF... |
| | 3,710.0 | MENEFEE |
| | 4,362.9 | POINT LOOKO... |
| Stage Tool @ 4661' | 4,659.1 | |
| | 4,661.1 | |
| TOC @ 5300' (CBL 4/81) | 4,720.1 | MANCOS |
| | 5,299.9 | |
| | 5,547.9 | GALLUP |
| | 6,325.1 | GREENHORN |
| | 6,392.1 | GRANEROS |
| PERF - DAKOTA; 6,447.0-6,618.0; 5/1/1981 | 6,445.9 | TWO WELLS (...) |
| Hydraulic Fracture; 5/2/1981; Frac'd w/ 2,000 gal 7 1/2% NE HCl, 120,000# 20/40 sand & 73,000 gal 30# X-linked gel fluid containing 2% KCl | 6,446.9 | |
| Seal Nipple; 2 3/8 in; 4.70 lb/ft; J-55; 6,546.1 ft/KB; 6,547.2 ft/KB | 6,503.9 | PAGUATE |
| | 6,545.9 | |
| | 6,547.2 | |
| Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 6,547.2 ft/KB; 6,578.7 ft/KB | 6,559.1 | CUBERO |
| Expendable Check; 2 3/8 in; 4.70 lb/ft; J- 55; 6,578.7 ft/KB; 6,579.6 ft/KB | 6,578.7 | |
| | 6,579.4 | |
| | 6,618.1 | |
| PBTD; 6,657.0 | 6,629.9 | ENCINAL |
| | 6,657.2 | |
| | 6,667.7 | |
| | 6,693.7 | |
| | 6,694.7 | |
| | 6,695.0 | |

ConocoPhillips

**Schematic Proposed
ZACHRY #17E**

| | | | | |
|---------------------------------|--|-------------------------------------|--------------------------|------------------------------|
| District SOUTH | Field Name BSN DK(PRO GAS) #0068 | API / UWI 3004524801 | County SAN JUAN | State/Province NEW MEXICO |
| Original Spud Date 2/11/1981 | Surf Loc 035-029N-010W | East/West Distance (ft) 1,585.00 | East/West Reference E | N/S Dist (ft) 1,100.00 |
| North/South Reference N | | | | |

Original Hole, 1/1/2020 9:30:00 AM

| Vertical schematic (actual) | | MD (ftKB) | Formation Tops |
|---|--|-----------|--------------------------|
| Cement Retainer, 195.0-197.0 | | 15.1 | |
| SQUEEZE PERFS; 245.0; 1/1/2020 | | 196.9 | |
| TOC @ 250' (Temperature Survey 2/81) | | 250.0 | |
| | | 297.9 | |
| | | 869.1 | |
| | | 1,058.1 | OJO ALAMO KIRTLAND |
| | | 1,517.1 | |
| | | 1,617.1 | FRUITLAND |
| | | 1,985.9 | FRUITLAN... |
| | | 2,086.0 | PICTURED... |
| | | 2,873.0 | LEWIS |
| | | 3,015.1 | CHACRA |
| | | 3,151.9 | |
| | | 3,227.0 | |
| | | 3,604.0 | UPPER CLI... |
| | | 3,653.9 | |
| | | 3,710.0 | MASSIVE C... |
| | | 4,659.1 | MENEFFEE POINT LOO... |
| | | 4,669.9 | |
| | | 4,722.1 | MANCOS |
| | | 5,299.9 | |
| | | 5,647.9 | GALLUP |
| | | 6,296.9 | |
| | | 6,392.1 | GREENHO... |
| | | 6,399.0 | GRANEROS |
| | | 6,448.9 | |
| | | 6,559.1 | TWO WELL... |
| | | 6,629.9 | PAGUATE CUBERO |
| | | 6,687.7 | |
| | | 6,684.7 | ENCINAL |

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: Zachry #17E

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

3. The following modifications to your plugging program are to be made:

- a) Bring the top of plug #3 to 4650 ft. inside/outside to cover the Mancos top. Adjust cement volume accordingly.
- b) Set plug #7 (1806-1706) ft. to cover the Fruitland top. BLM picks top of Fruitland at 1756 ft.
- c) Bring the top of plug #8 to 850 ft. to cover the Kirtland and Ojo Alamo tops. Adjust cement volume accordingly.

Note: H₂S has not been reported at this location; however, low concentrations of H₂S (10 ppm-32ppm GSV) have been reported in wells within a 1 mile radius of this location.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.