

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 18 2016

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

Farmington Field Office

SF-077056

**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**

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

8. Well Name and No.

**Cozzens 6**

9. API Well No.

**30-045-08268**

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

**Surface**

**Unit L (NWSW), 1850' FSL & 790' FWL, Ssec. 18, T29N, R11W**

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

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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 must 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 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.)

The subject well is part of the proposed Mangum SRC 1C P&A program agreed to with the NMOCD. The attached revised procedure replaces the procedure filed with the P&A NOI submitted on 4/13/2016.

Notify NMOCD 24 hrs  
prior to beginning  
operations

**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**

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

**OIL CONS. DIV DIST. 3**

**JUN 01 2016**

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

**Dollie L. Busse**

Title **Regulatory Technician**

Signature

*Dollie L. Busse*

Date

*5/16/16*

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

*[Signature]*

Title

**PE**

Date

*5/31/16*

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.

*KC*  
*7*



## ConocoPhillips

### COZZENS 6

#### Expense - P&A

Updated for BLM COA's 5/9/16

Lat 36° 43' 25.032" N

Long 108° 2' 18.276" W

#### PROCEDURE

This project requires the use of a steel tank to handle waste fluids circulated from the well and cement wash up.

Prior to commencing abandonment operations, ensure that the bradenhead valve is dug out and properly plumbed to the surface. Record the casing, intermediate, and bradenhead pressures with an appropriately ranged gauge. Contact the Engineer if bradenhead pressure is present (per Exhibit "A-3").

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COP safety and environmental regulations. Test rig anchors prior to moving in rig. **Before RU, run slickline to 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 (per Exhibit "A-3").

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.

4. ND wellhead and NU BOPE. Pressure and function test BOP to 250 psi low and 1000 psi over SICP high to a maximum of 2000 psi held and charted for 10 minutes per COP Well Control Manual. PU and remove tubing hanger.

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

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

**Set Depth:** 6,433'

**KB:** 0'

6. PU 3-7/8" bit and watermelon mill and round trip as deep as possible above top perforation at 6221'.

7. PU 4-1/2" cement retainer on tubing, and set at 6171'. Pressure test tubing to 1000 psi. Sting out of CR. Load hole, and pressure test casing to 800 psi. If casing does not test, spot or tag subsequent plugs as appropriate. POOH with tubing.

8. RU wireline and run CBL with 500 psi on casing from cement retainer to surface to identify TOC. Adjust plugs as necessary for new TOC. *Email log copy to Wells Engineer, Troy Salyers (BLM) at [tsalyers@blm.gov](mailto:tsalyers@blm.gov), and Brandon Powell (NMOCD) at [brandon.powell@state.nm.us](mailto: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.

#### **9. Plug 1 - Dakota Perforations and Formation Top, 6071' - 6171', 12 Sacks Class B Cement**

Mix cement as described above and spot a balance plug inside casing. Pull up hole.

10. Roll the hole with water and ensure the wellbore is in a stabilized condition with no flow of gas and/or water before spotting the next plug. If flow occurs, the fluid weight must be increased until a stabilized condition is established (per Exhibit "A-3").

#### **11. Plug 2 - Gallup Formation Top, 5332' - 5432', 12 Sacks Class B Cement**

Mix cement as described above and spot a balance plug inside casing. Pull up hole.

#### **12. Plug 3 - Mancos Formation Top, 4449' - 4549', 12 Sacks Class B Cement**

Mix cement as described above and spot a balance plug inside casing. Pull up hole.

#### **13. Plug 4 - Mesa Verde and Chacra Formation Tops, 2729' - 3405', 56 Sacks Class B Cement**

Mix cement as described above and spot a balance plug inside casing. Pull out of hole.

#### **14. Plug 5 - Pictured Cliffs Formation Top, 1727' - 1827', 51 Sacks Class B Cement**

Rig up wireline. Perforate 3 squeeze holes at 1827'. Pull out of hole and rig down wireline. Establish injection rate into squeeze holes with water. Pick up 4-1/2" cement retainer on tubing. Set retainer at 1777'. Establish injection rate with water. Mix cement as described above and squeeze 43 sacks under the retainer. Sting out and balance 8 sacks above the retainer. Pull out of hole.

**15. Plug 6 - Fruitland Formation Top, 1390' - 1490', 51 Sacks Class B Cement**

Rig up wireline. Perforate 3 squeeze holes at 1300'. Pull out of hole and rig down wireline. Establish injection rate into squeeze holes with water. Pick up 4-1/2" cement retainer on tubing. Set retainer at 1250'. Establish injection rate with water. Mix cement as described above and squeeze 43 sacks under the retainer. Sting out and balance 8 sacks above the retainer. Pull out of hole.

16. Cease operations for 30 minutes allowing the bradenhead to be observed for pressure build. Record pressures with crystal gauge for accuracy. If pressures are observed, notify Wells Engineer and Production Engineering for path-forward discussion with NMOCD (Per Exhibit "A-3").

**17. Plug 7 - Kirtland and Ojo Alamo Formation Tops and surface plug, 0' - 668', 313 Sacks Class B Cement**

Rig up wireline. Perforate 3 squeeze holes at 668. Pull out of hole and rig down wireline. Establish injection rate into squeeze holes with water. Pick up 4-1/2" cement retainer on tubing. Set retainer at 618'. Establish injection rate with water. Mix cement as described above and squeeze 262 sacks under the retainer until cement is circulated to surface. Sting out and balance 51 sacks above the retainer to surface.

18. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. RDMO.



### **Exhibit "A-3"**

To Final Agreement - Withdrawal of Notice of Violation (3-15-02)  
dated May 4, 2016 from ConocoPhillips Company to NMOCD

### **Updated Abandonment Procedures**

The following procedural changes will be required for the P&A Program:

- 1) Prior to commencing abandonment operations, ensure that the bradenhead valve is dug out and properly plumbed to the surface. Record the casing, intermediate and bradenhead pressures with an appropriately ranged gauge. Contact the Engineer if bradenhead pressure is present. After the last set of completion perforations are abandoned with cement, roll the hole with water and ensure that the wellbore is in a stabilized condition with no flow of gas and/or water before spotting the next plug. If flow occurs, the fluid weight must be increased until a stabilized condition is established.
- 2) Following the plug over the Fruitland Formation Top, and prior to the plug over the Kirtland and Ojo Alamo Tops:
  - a. Operations will cease for 30 minutes allowing the Bradenhead to be observed for pressure build.
  - b. Pressures will be recorded with a crystal gauge for accuracy.
  - c. If pressures are observed, notify Wells Engineer and Production Engineering for path-forward discussion with NMOCD.
- 3) Within 24 hours of the abandonment and after two weeks, BLM will check for the presence of gas at the base of the dry hole marker and at the weep hole. Note ambient weather conditions when recording the results. If gas is detected, contact the Engineer.
- 4) If a Cathodic Protection well is on the well pad, check for the presence of gas at the vent cap. If gas is present, record results in AFMSS and contact the Engineer.

Note: when checking any sample point for the presence of gas, please be prepared for the possibility of anomalous pressure and the H<sub>2</sub>S gas.

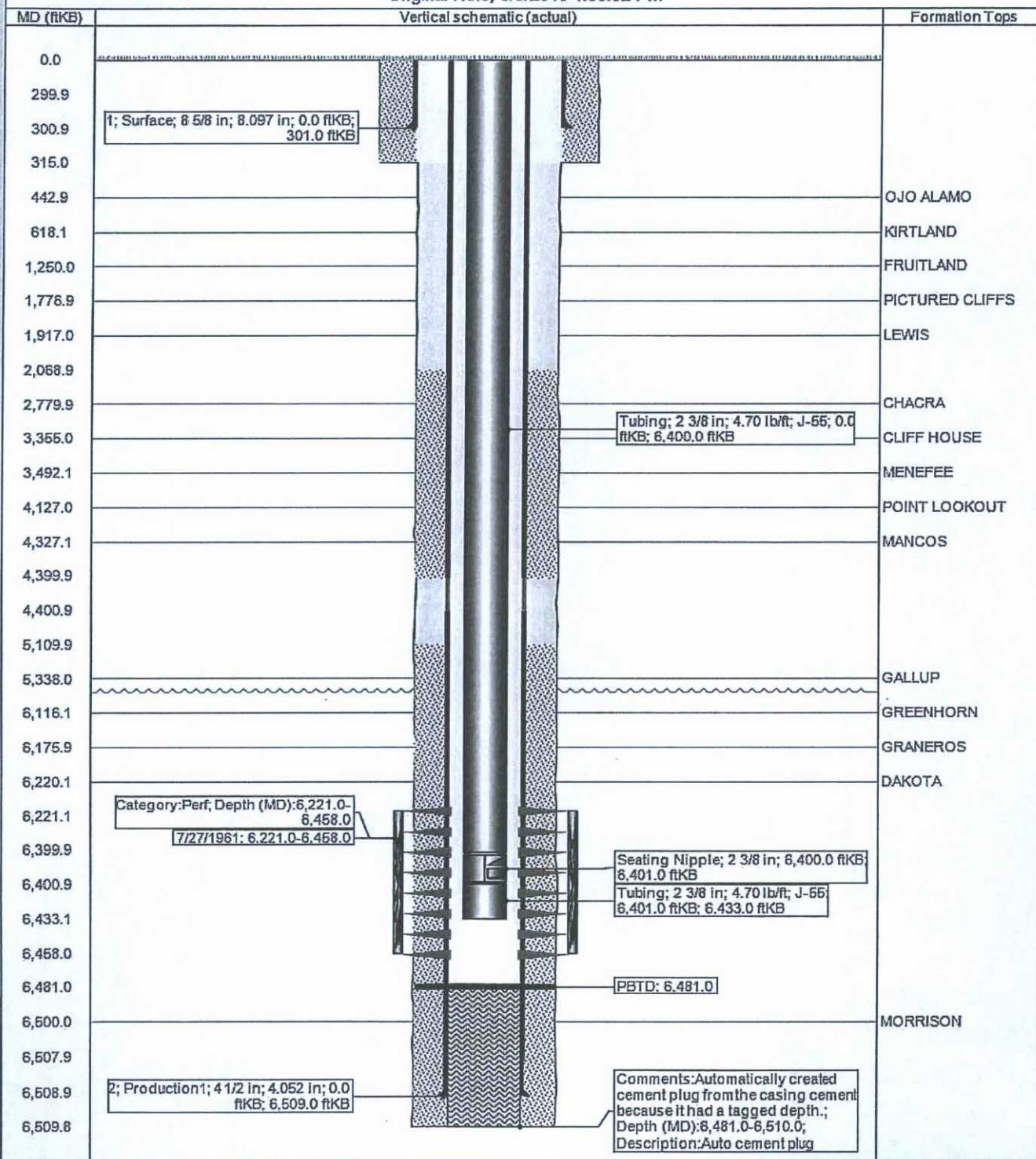


## CURRENT SCHEMATIC

COZZENS #6

District NORTH	Field Name BASIN DAKOTA (PRORATED G #0066	API / UWI 3004508268	County SAN JUAN	State/Province NEW MEXICO	
Original Spud Date	Surface Legal Location	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref

Original Hole, 3/9/2016 1:58:32 PM

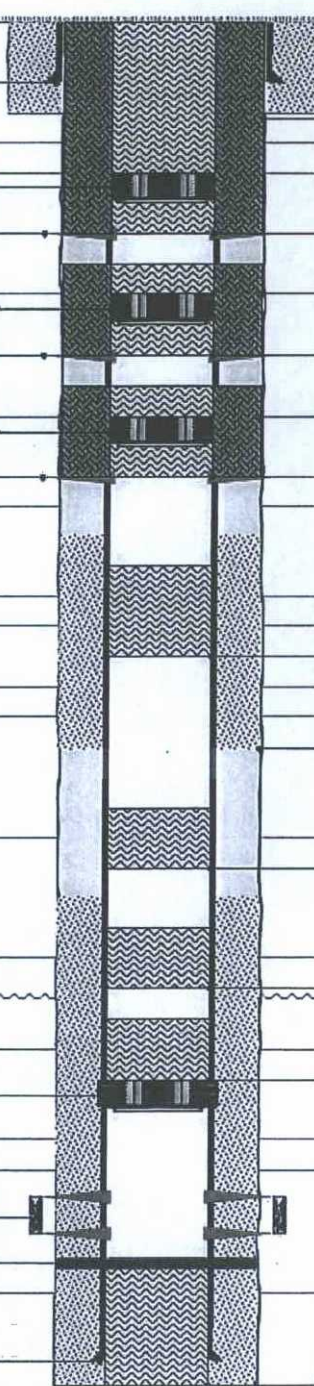




## Schematic - Proposed COZZENS #6

District NORTH	Field Name BASIN DAKOTA (PRORATED G #0068)	API / UWI 3004508268	County SAN JUAN	State/Province NEW MEXICO	
Original Spud Date 7/9/1961	Surf Loc 018-029N-011W-L	East/West Distance (ft) 790.00	East/West Reference FWL	N/S Dist (ft) 1,850.00	North/South Reference FSL

Original Hole, 1/1/2020 6:30:00 AM

Vertical schematic (actual)		MD (ftKB)	Formation Tops
1; Surface; 8 5/8 in; 8.097 in; 0.0 ftKB; 301.0 ftKB		0.0	
		299.9	
		300.9	
		315.0	
		442.9	
		618.1	OJO ALAMO KIRTLAND
		620.1	
		658.0	
		1,390.1	
		1,440.0	FRUITLAND
		1,441.9	
		1,490.2	
		1,727.0	
		1,776.9	PICTURED C...
		1,778.9	
		1,827.1	
		1,917.0	LEWIS
		2,068.9	
		2,729.0	
		2,778.9	CHACRA CLIFF HOUSE
		3,355.0	
		3,404.9	
		3,492.1	MENEFEE POINT LOOK...
		4,127.0	
		4,399.9	
		4,400.9	
		4,448.1	
		4,499.0	MANCOS
		4,548.9	
		5,109.9	
		5,332.0	
		5,381.9	GALLUP
		5,432.1	
		6,070.9	
		6,116.1	GREENHORN
		6,170.9	
		6,172.9	
		6,175.9	GRANEROS DAKOTA
		6,220.1	
		6,221.1	
		6,458.0	
		6,481.0	
		6,500.0	MORRISON
		6,507.9	
		6,508.9	
		6,509.8	



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: Cozzens #6

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) Set plug #2 (6432-5332) ft. to cover the Gallup top. BLM picks top of Gallup at 5382 ft.
- b) Set plug #3 (4549-4449) ft. to cover the Mancos top. BLM picks top of Mancos at 4499 ft.
- c) Set a cement plug (2829-2729) ft. to cover the Chacra top. BLM picks top of Chacra at 2779 ft.
- d) Set plug #6 (1490-1390) ft. inside/outside to cover the Fruitland top. BLM picks top of Fruitland at 1440 ft.

Operator will run CBL from CR to surface to identify TOC. Submit the electronic copy of the log for verification to the following addresses: [wsavage@blm.gov](mailto:wsavage@blm.gov) [Brandon.Powell@state.nm.us](mailto:Brandon.Powell@state.nm.us)

H2S has not been reported in this section, however, **Very High concentrations of H2S (900 ppm GSV)** have been reported in the Cliff House Ss at the Crawford GC B #1 well located in the NWSW/4 Sec. 24, 28N, 12W. **It is imperative that H2S monitoring safety equipment be on location during P&A operations at this well site.**

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.