Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED
AUG 19 2015
Farmington Field Office
Bureau of Land Management

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	5. Lease Serial No.: **NM-0555078**
	6. If Indian, Allottee or Tribe Name:
	7. If Unit of CA/Agreement, Name and/or No.:
	8. Well Name and No.: **HELMS FEDERAL 2**
2. Name of Operator: **Burlington Resources Oil & Gas Company LP**	9. API Well No.: **3004523678**
3a. Address: **PO Box 4289, Farmington, NM 87499** / 3b. Phone No. (include area code): **(505) 326-9700**	10. Field and Pool or Exploratory Area: **AZTEC PICTURED CLIFFS**
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*: **UL K (NESW), 1785' FSL & 1575' FWL, SSEC. 22, T30N, R10W**	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
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ 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 requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. The Pre-Disturbance onsite was held with Bob Switzer on 8-13-15. The re-vegetaton plan is attached. A closed loop system will be utilized for this P&A.

OIL CONS. DIV DIST. 3

AUG 28 2015

SEE ATTACHED FOR CONDITIONS OF APPROVAL

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

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*: **Patsy Clugston**	Title: **Staff Regulatory Technician**
Signature: Patsy Clugston	Date: **8/19/2015**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by: Troy Salyers	Title: PE	Date: 8/25/2015
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 matter within its jurisdiction.

NMOCD

(Instruction on page 2)

ConocoPhillips
HELMS FEDERAL 2
Expense - P&A

Lat 36° 47' 42.936" N **Long 107° 52' 29.604" W**

PROCEDURE

NOTE: Insert note here

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 NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.

2. MIRU workover rig. Check casing 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.

4. 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.

5. RU wireline. Run gauge ring for 2-7/8" 6.4# casing as deep as possible above top perforation @ 2,851'. **If unable to run gauge ring, contact Wells Engineer.**

6. PU 2-7/8" CIBP on wireline, and set @ 2,800'. Load hole, and pressure test casing to 800 psi. If casing does not test, then spot or tag subsequent plugs as appropriate.

7. RU wireline and run CBL with 500 psi on casing from CIBP 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 (NMOCD) 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.

8. Plug 1 (Pictured Cliffs Perforations, 2700-2800', 5 Sacks Class B Cement)

Mix 5 sx Class B cement and spot a balanced plug inside the casing to cover the Pictured Cliff Perforations. PUH.

See COA

9. Plug 2 (Fruitland Coal Formation Top , 2227-2327', 39 Sacks Class B Cement)

RIH and perforate 3 squeeze holes at 2327'. Establish injection rate into squeeze holes. PU a 2-7/8" Cement retainer on Wireline and set at 2,277'. Mix 39 sx Class B cement. Squeeze 35 sx outside the casing, leaving 5 sx inside the casing to cover the Fruitland formation top. POOH.

10. Plug 3 (Kirtland and Ojo Alamo formation tops, 1465-1699', 89 Sacks Class B Cement)

RIH and perforate 3 squeeze holes at 1,699'. Establish injection rate into squeeze holes. PU a 2-7/8" Cement retainer on Wireline and set at 1,649'. Mix 89 sx Class B cement. Squeeze 81 sx outside the casing, leaving 8 sx inside the casing to cover the Kirtland and Ojo Alamo formation tops. POOH.

11. Plug 4 (Surface Plug, 0-307', 72 Sacks Class B Cement)

RU WL and perforate 3 squeeze holes at 307'. 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. Mix 72 sx Class B cement and squeeze until good cement returns to surface out BH valve. Shut BH valve and squeeze to max 200 psi. SI well and WOC.

12. 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.

ConocoPhillips

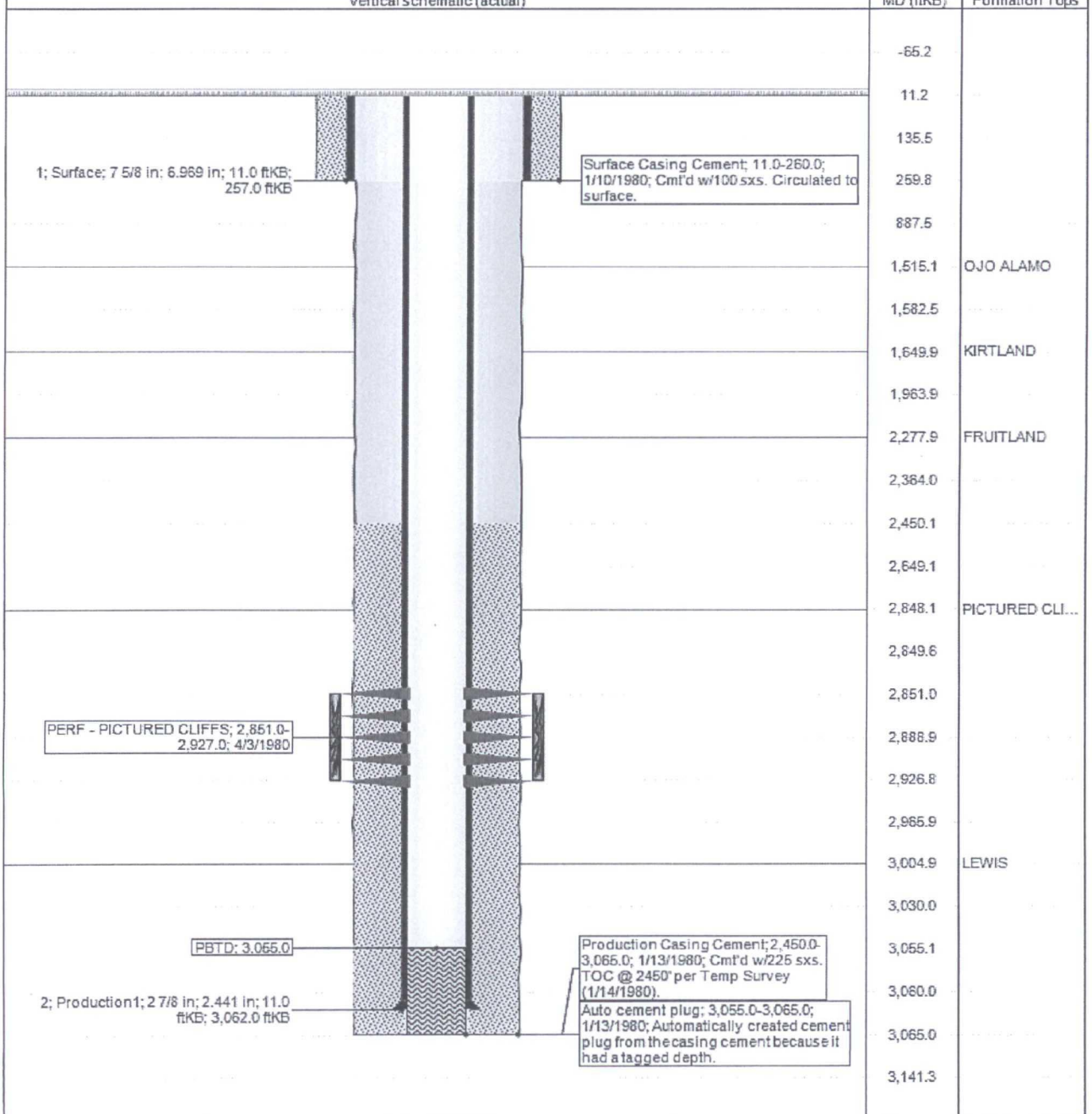
Schematic - Current

HELMS FEDERAL #2

District	Field Name	API / UWI	County	State/Province
NORTH	AZTEC PICTURED CLIFFS (GAS)	3004523678	SAN JUAN	NEW MEXICO

Original Spud Date	Surface Legal Location	East/West Distance (ft)	East/West Reference	North/South Distance (ft)	North/South Reference
1/9/1980	022-030N-010W-K	1,575.00	FWL	1,785.00	FSL

VERTICAL - Original Hole, 7/29/2015 2:03:16 PM



Report Printed: 7/29/2015

Proposed Schematic

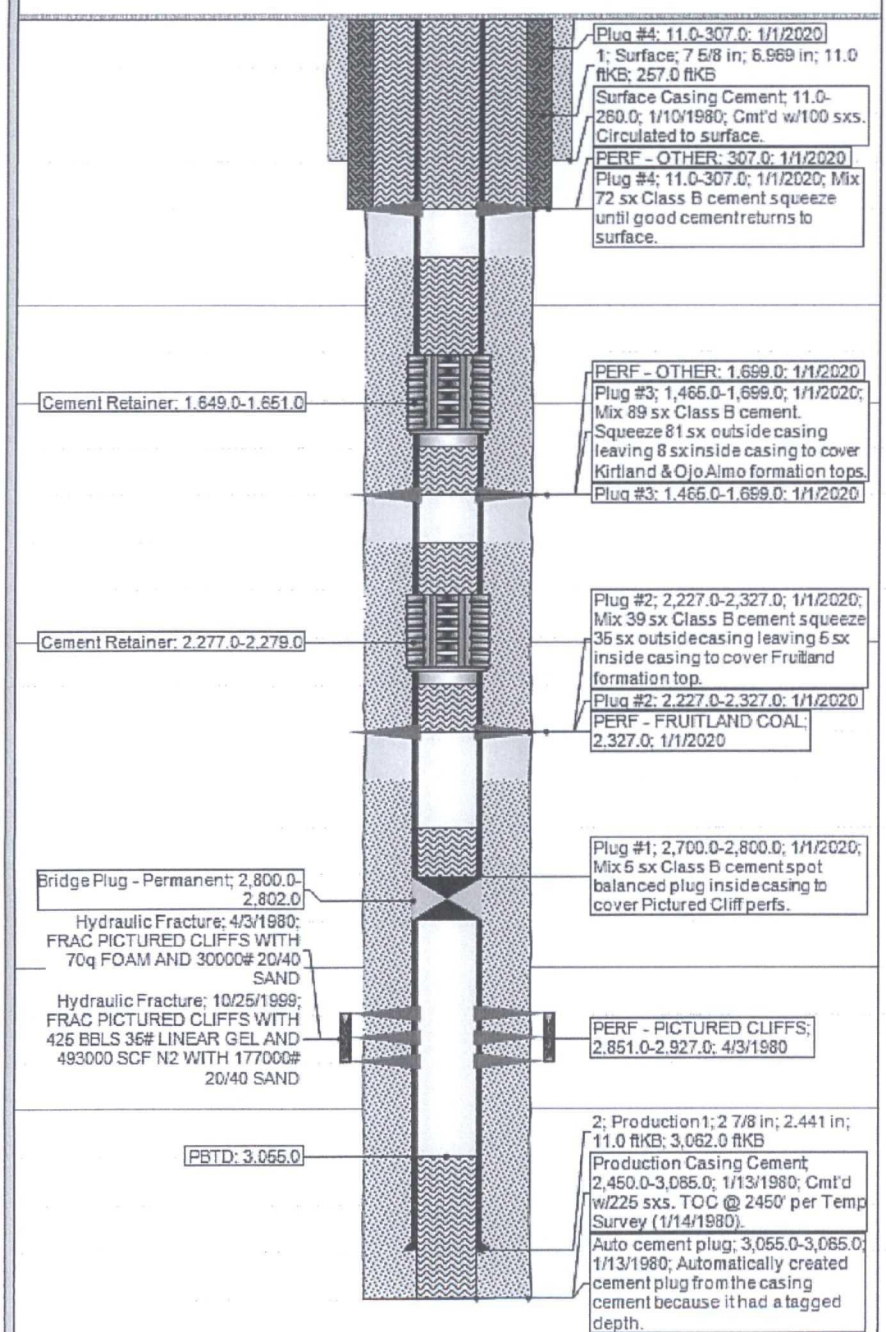
ConocoPhillips

Well Name: HELMS FEDERAL #2

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004523678	022-030N-010W-K	AZTEC PICTURED CLIFFS (GAS)		NEW MEXICO	VERTICAL

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
6,271.00	6,282.00	11.00	6,282.00	6,282.00

VERTICAL - Original Hole, 1/1/2020 12:02:00 AM



Vertical schematic (actual)	MD (ftKB)	Formation Tops
	11.2	
	255.9	
	256.9	
	259.8	
	307.1	
	1,464.9	
	1,515.1	OJO ALAMO
	1,649.0	
	1,649.9	KIRTLAND
	1,650.9	
	1,699.1	
	2,227.0	
	2,276.9	
	2,277.9	FRUITLAND
	2,278.9	
	2,327.1	
	2,450.1	
	2,700.1	
	2,799.9	
	2,801.8	
	2,848.1	PICTURED CLIFFS
	2,851.0	
	2,926.8	
	3,004.9	LEWIS
	3,055.1	
	3,061.0	
	3,062.0	
	3,065.0	

Report Printed: 8/3/2015

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: Helms Federal #2

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 (2532-2432) ft. inside/outside to cover the Fruitland top. BLM picks top of Fruitland at 2482 ft.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: tsalyers@blm.gov Brandon.Powell@state.nm.us

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.