

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

SEP 04 2012

SUNDRY NOTICES AND REPORTS ON WELLS

Farmington Field ~~Do not use this form for proposals to drill or to re-enter an~~
Bureau of Land Management ~~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)

Surface Unit O (SWSE), 800' FSL & 1460' FEL, Sec. 26, T26N, R6W

5. Lease Serial No

SF-079266

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Vaughn 21

9. API Well No.

30-039-20507

10. Field and Pool or Exploratory Area

Otero Chacra

11. Country or Parish, State

Rio Arriba, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 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.)

Burlington Resources requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics.

Notify NMOCD 24 hrs
prior to beginning
operations

RCVD SEP 10 '12
OIL CONS. DIV.
DIST. 3

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

Dollie L. Busse

Title Staff Regulatory Technician

Signature

Date

9/4/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date SEP 04 2012

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

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.

(Instruction on page 2)

NMOCD

ConocoPhillips
VAUGHN 21
Expense - P&A

Lat 36° 27' 9.072" N

Long 107° 25' 57.324" W

PROCEDURE

Note: This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up. 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 Type II mixed at 15.6 ppg with a 1.18 cf/sk yield.

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 work over rig. Check bradenhead pressures and record them in Wellview.
3. When an existing primary valve (i.e. casing valve) is to be used, the existing piping should be removed and replaced with the appropriate piping for the intended operation.
4. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, if necessary.
5. ND wellhead and NU BOPE. Pressure test and function test BOP.

Rods:	No	Size:	Length:
Tubing:	No	Size:	Length:
Packer:	No	Size:	Depth:

6. Round trip gauge ring to top of perforated interval at 3776'.

7. Plug 1 (Chacra Perforations and Formation Top, 3726' - 3363', 10 Sacks Class B Cement)

RIH and set CIBP at 3726'. Load casing with water and attempt to establish circulation. Pressure test tubing to 1000 psi. Pressure test casing to 800 psi. If casing does not test, then spot and tag subsequent plugs as necessary. Mix 10 sx Class B cement and spot inside the casing above CIBP to isolate the Chacra perforations and formation top. PUH.

8. Plug 2 (Pictured Cliffs, Fruitland, and Kirtland Formation Tops, 2956' - ⁰⁰2411', 15 Sacks Class B Cement)

Mix 10⁰⁰ sx Class B cement and spot a balance cement plug inside casing to isolate the Pictured Cliffs, Fruitland, and Kirtland formation tops. POOH.

Note: The top of plug 2 intentionally uses 15⁰⁰ sx instead of 10⁰⁰ sx, and comes short of covering the Kirtland formation top (plug should go to 2408'). This is due to the TOC being at 2400', and the need to shoot holes at ²²⁸⁴2395'. The remainder of the Kirtland formation top will be covered with plug 3.

9. Plug 3 (Ojo Alamo Formation Top, ²²⁸⁴2411' - ²¹⁵⁴2270', 51 Sacks Class B Cement)

Perforate 3 HSC holes at ²²⁸⁴2395'. Set a cement retainer at ²²⁸⁴2345'. TIH with tubing and sting into CR. Establish injection rate into squeeze holes. Mix 51 sx Class B cement. Sqz 45 sx Class B cement into HSC holes and leave 6 sx cement inside casing to isolate the Ojo Alamo formation top. POOH.

10. Plug 4 (Nacimiento Formation Top, ¹¹⁷⁷940' - ¹⁰⁷⁷840', 40 Sacks Class B Cement)

Perforate 3 HSC holes at ⁸⁷⁷940'. Set a cement retainer at ⁸⁷⁷860'. TIH with tubing and sting into CR. Establish injection rate into squeeze holes. Mix 40 sx Class B cement. Sqz 35 sx Class B cement into HSC holes and leave 5 sx cement inside casing to isolate the Nacimiento formation top. POOH and LD workstring.

11. Plug 5 (Surface Casing Shoe & Surface Plug, 191' - 0', 76 Sacks Class B cement)

Perforate 3 HSC holes at 191'. Establish circulation out bradenhead with water and circulate BH annulus clean. Mix 76 sx Class B cement and pump down production casing to circulate good cement out bradenhead. Shut in 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.

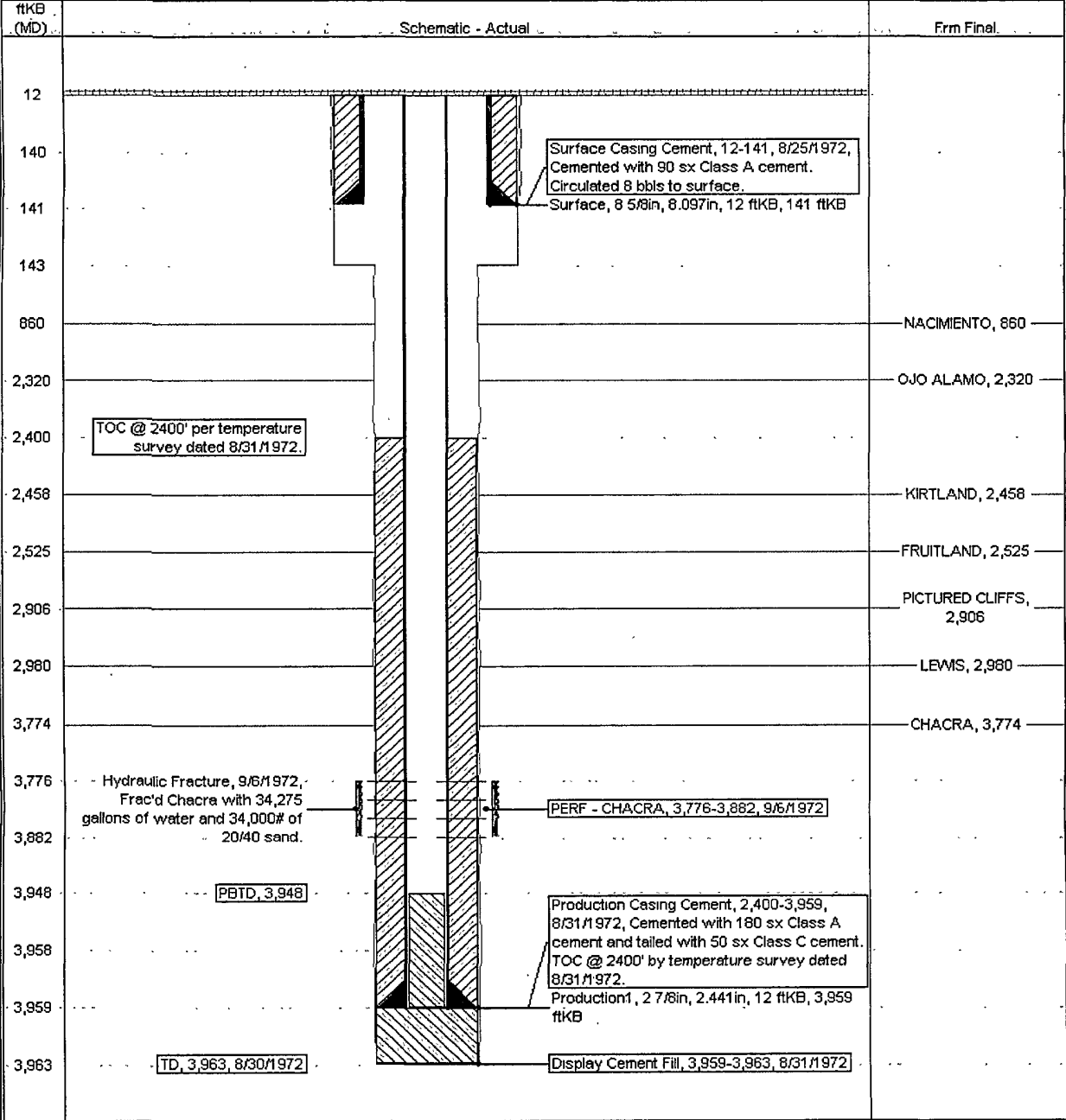
Current Schematic

ConocoPhillips

Well Name: VAUGHN #21

API / UUI	Surface Legal Location	Field Name	License No.	State / Province	Well Configuration Type	Edit
3003920507	NMPM_026-026N-006W	OTERO (CHACRA) GAS		NEW MEXICO		
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB - Ground Elevation (ft)	KB - Casing Hanger Elevation (ft)	KB - Tubing Hanger Elevation (ft)		
6,633.00	6,645.00	121.00				

Well Config: - Original Hole, 8/8/2012 7:46:01 AM



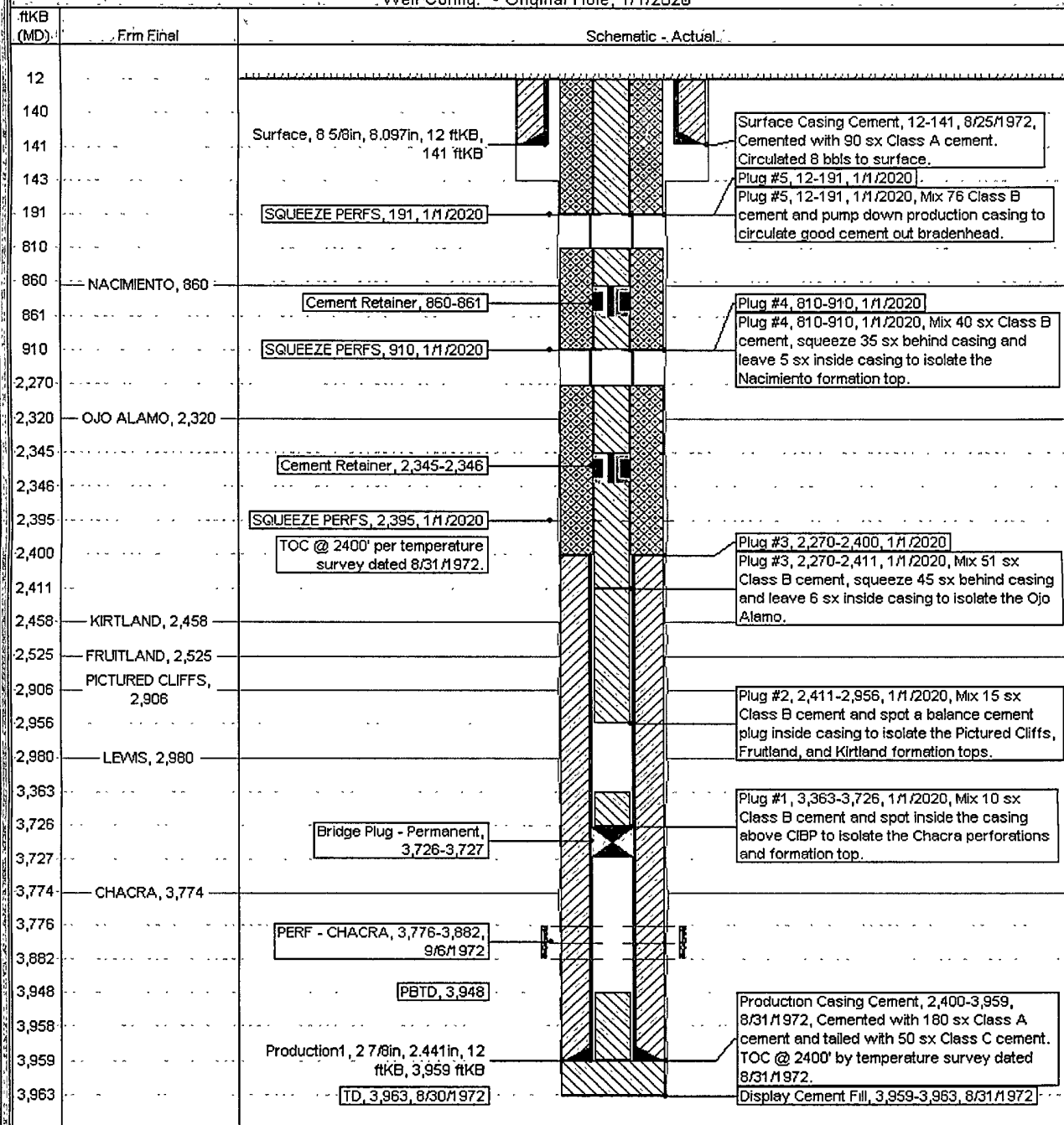
ConocoPhillips

Well Name: VAUGHN #21

Proposed Schematic

API Well	Service Legal Location	Field Name	License No.	State/Province	Well Configuration Type	Edit
3003920507	NMPM,026-026N-006W	OTERO (CHACRA) GAS		NEW MEXICO		
Ground Elevation (ft)	Original I&RT Elevation (ft)	I&RT Ground Distance (ft)	I&RT Casing Flange Distance (ft)	I&RT Tubing Hanger Distance (ft)		
6,633.00	6,645.00	12,000				

Well Config: - Original Hole, 1/1/2020



**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: 21 Vaughn

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 the Pictured Cliffs/Fruitland/Kirtland plug to 2400'.
 - b) Place the Ojo Alamo plug from 2284' – 2184' inside and outside the 2 7/8" casing.
 - c) Place the Nacimiento plug from 1177' – 1077' inside and outside the 2 7/8" casing.

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.