

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED					
OMB No	1004-0137				
Evnirac I	ntv 31 2016				

SF-079266

Otero Chacra

SEP 04 2012

SUNDRY NOTICES AND REPORTS ON WELLS

6. If Indian, Allottee or Tribe Name Farmington FieDonottuse this form for proposals to drill or to re-enter an

5 Lease Serial No

Purgau of I and abandoned well. Use Form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other instructions on page 2. 7 If Unit of CA/Agreement, Name and/or No. 1. Type of Well Oil Well X Gas Well Other 8. Well Name and No. Vaughn 21 2. Name of Operator 9. API Well No. **Burlington Resources Oil & Gas Company LP** 30-039-20507 3a. Address 3b Phone No (include area code) 10 Field and Pool or Exploratory Area PO Box 4289, Farmington, NM 87499 (505) 326-9700

4 Location of Well (Footage, Sec., T.,R.,M., or Survey Description) 11 Country or Parish, State **Surface** Unit O (SWSE), 800' FSL & 1460' FEL, Sec. 26, T26N, R6W 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					
X Notice of Intent	Acidize	Deepen	Production (Start/Resume)	Water Shut-Off		
	Alter Casing	Fracture Treat	Reclamation	Well Integrity		
Subsequent Report	Casing Repair	New Construction	Recomplete	Other		
BP	Change Plans	X Plug and Abandon	Temporarily Abandon			
Final Abandonment Notice	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.

> 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 Willy Syma	Date	9/4/12	
THIS SPACE FOR FED	DERAL O	R STATE OFFICE USE	
Approved by Original Signed: Stephen Mason			
		Title	Date SEP 0 \$ 2012
Conditions of approval, if any, are attached Approval of this notice does not warrant o	or certify		•
that the applicant holds legal or equitable title to those rights in the subject lease which	Office		
entitle the applicant to conduct operations thereon.			
Title 18 U S C Section 1001 and Title 43 U.S C. Section 1212, make it a crime for any	person knov	ringly and willfully to make to any department or	r agency of the United States any

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' - 2414', 16 Sacks Class B Cement)

Mix 18 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 15 sx instead of 16 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 2395. The remainder of the Kirtland formation top will be covered with plug 3.

22 کلا 2 الاح) 9. Plug 3 (Ojo Alamo Formation Top, 2441' - 2270', 51 Sacks Class B Cement)

Perforate 3 HSC holes at 2395'. Set a cement retainer at 2545'. 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, 940' - 840', 40 Sacks Class B Cement)

Perforate 3 HSC holes at \$40'. Set a cement retainer at 860'. 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.

(Con	ুৱুত (Phillip	OS AUGHN #24		Curre	nt Schemat	lc .		
API/UWI	VBNAMETIK L	Sirisce legal location	Field Name		cense No.	State/P routinge	WellCon	fg∢ration Type <u>Edit</u>
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12								- ·
12								18 T. J.
140 -						sing Cement, 12-141		
					Circulated 8	vith 90 sx Class A co bbls to surface.		
141				_	Surface, 8	5/8in, 8.097in, 12 ftK	B,141 ftKB	
143				l				
1.45			(
860								NACIMIENTO, 860
								Comments
2,320								OJO ALAMO, 2,320
0.400	TOC @ 2	400' per temperature		}				
2,400	sur	vey dated 8/31/1972.			•		, .	
2,458					·			
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2,525			 Ø					
								PICTURED CLIFFS,
2,906		***						2,906
2,980					·			LEWIS, 2,980
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3,774					· · · · · · · · · · · · · · · · · · ·			——CHACRA, 3,774 ——
3,776		c Fracture, 9/6/1972, I Chacra with 34,275						
3.882	gallons of v	vater and 34,000# of			PERF - CHA	CRA, 3,776-3,882, 9	льл 9/2]	
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3,948		· PBTD, 3,948			Production	Casing Cement, 2,40	0-3 959	
4					8/31/1972,	Cemented with 180 s	sx Class A	1 to
3,958		• •			/ TOC @ 240	tailed with 50 sx Cla 10' by temperature su		-
3,959					8/31/1972. Production1	I , 2 7/8in, 2.441in, 12	ftKB, 3,959	NAME OF STREET
J.538 .					ftKB	•		
3,963		TD, 3,963, 8/30/1972		1111111	Display Cer	nent Fill, 3,959-3,963	8/31/1972	
8								\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		And the second	F. F. S.	~	Page 1/1	and the second s	grand g Agranges Miles John	Report Printed: \$8/8/2012

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Proposed Schematic ConocoPhillips Well Name: VAUGHN #21 Field Name Conace Legal Location Desce No. Citate P multipor Aleji Conformation Tare Edit 3003920507 NMPM,026-026N-006W OTERO (CHACRA) GAS NEW MEXICO Find Elevation (10 6,633.00 riginal RB/RT Elevation (ft) 6,645.00 ing Finge Districe of IG-Tiblig Harger DL træent Well Config: - Original Hole, 1/1/2020 ftKB **Erm Einal** (MD) Schematic - Actual. 12 140 Surface Casing Cement, 12-141, 8/25/1972, Surface, 8 5/8in, 8.097in, 12 ftKB, Cemented with 90 sx Class A cement. 141 141 ftKB Circulated 8 bbls to surface. 143 Plug #5, 12-191, 1/1/2020 Plug #5, 12-191, 1/1/2020, Mix 76 Class B 191 SQUEEZE PERFS, 191, 1/1/2020 cement and pump down production casing to circulate good cement out bradenhead. 810 860 - NACIMIENTO, 860 Plug #4, 810-910, 1/1/2020 Plug #4, 810-910, 1/1/2020, Mix 40 sx Class B Cement Retainer, 860-861 861 cement, squeeze 35 sx behind casing and 910 SQUEEZE PERFS, 910, 1/1/2020 leave 5 sx inside casing to isolate the 2,270-Nacimiento formation top OJO ALAMO, 2,320 2,320 2,345 Cement Retainer, 2,345-2,346 2,346 2,395 SQUEEZE PERFS, 2,395, 1/1/2020 Plug #3, 2,270-2,400, 1 /1 /2020 TOC @ 2400' per temperature 2,400 Plug #3, 2,270-2,411, 1/1/2020, Mix 51 sx survey dated 8/31/1972. Class B cement, squeeze 45 sx behind casing 2,411 and leave 6 sx inside casing to isolate the Ojo Alamo 2,458 KIRTLAND, 2,458 2,525 FRUITLAND, 2,525 PICTURED CLIFFS, 2,906 Plug #2, 2,411-2,956, 1/1/2020, Mix 15 sx 2,906 Class B cement and spot a balance cement 2,956 plug inside casing to isolate the Pictured Cliffs, Fruitland, and Kirtland formation tops. 2,980 - LEWIS, 2,980 -3,363 Plug #1, 3,363-3,726, 1/1/2020, Mix 10 sx Class B cement and spot inside the casing 3,726 Bridge Plug - Permanent, above CIBP to isolate the Chacra perforations 3,726-3,727 and formation top 3,727 3,774 CHACRA, 3,774 3,776 PERF - CHACRA, 3,776-3,882, 9/6/1972 3,882 3,948 PBTD, 3,948 Production Casing Cement, 2,400-3,959, 8/31/1972, Cemented with 180 sx Class A 3,958 cement and tailed with 50 sx Class C cement. Production1, 27/8in, 2.441in, 12 TOC @ 2400' by temperature survey dated 3,959 ftKB, 3,959 ftKB 8/31/1972 3,963 TD, 3,963, 8/30/1972 Display Cement Fill, 3,959-3,963, 8/31/1972 3-1-1 Page 1/1 Report Printed: 8/30/2012

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.