

RECEIVED

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

JAN 14 2013

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

Farmington Field Office SF-079266

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 &amp; 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 F (SE/NW), 1790' FNL &amp; 1740' FWL, Section 29, T26N, R6W

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

## 8. Well Name and No.

Vaughn 32N

## 9. API Well No.

30-039-30983

## 10. Field and Pool or Exploratory Area

Blanco MV/Basin DK

## 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

☒ 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

Change of Plans

☐ 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 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 wishes to change the approved APD's Master Plan Type 4 (2 string design) to the Master Plan Type 3 (3 string design). The new Project Proposal is attached.

RCVD JAN 17 '13  
OIL CONS. DIV.  
DIST. 3

## CONDITIONS OF APPROVAL

Adhere to previously issued stipulations.

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)

Arleen White

Staff Regulatory Tech

Title

Signature

Arleen White

Date

1/11/13

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

## Approved by

William Tambekou

Petroleum Engineer

Title

1/15/2013

Date

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.

(Instruction on page 2)

NMOCDA

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

VAUGHN 32N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9336				AFE \$: 1,845,134.24	
Field Name: SAN JUAN		Rig: Aztec Rig 920		State: NM	County: RIO ARRIBA		API #: 3003930983
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
<b>Primary Objective (Zones):</b>							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
<b>Location:</b> Surface <b>Datum Code:</b> NAD 27 <b>Straight Hole</b>							
Latitude: 36.459574		Longitude: -107.493656		X:	Y:	Section: 29	Range: 006W
Footage X: 1740 FWL		Footage Y: 1790 FNL		Elevation: 6764 (FT)	Township: 026N		
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6779      Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6579		<input type="checkbox"/>			200' 9 5/8" 32.3 ppf, J-55, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	2290	4489		<input type="checkbox"/>			
KIRTLAND	2462	4317		<input type="checkbox"/>			
FRUITLAND	2549	4230		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2956	3823		<input type="checkbox"/>			
LEWIS	3057	3722		<input type="checkbox"/>			
HUERFANITO BENTONITE	3376	3403		<input type="checkbox"/>			
CHACRA	3821	2958		<input type="checkbox"/>			
UPPER CLIFF HOUSE	4549	2230		<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	4611	2168		<input type="checkbox"/>	446		Cliffhouse Is Wet
MENEFEE	4627	2152		<input type="checkbox"/>			Est. Top Perf - 4827( 1952)
INTERMEDIATE CASING DEEP SET	4777	2002		<input type="checkbox"/>		132	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 929 cuft. Circulate cement to surface.
POINT LOOKOUT	5200	1579		<input type="checkbox"/>			GAS
MANCOS	5531	1248		<input type="checkbox"/>			
UPPER GALLUP	6281	498		<input type="checkbox"/>			
GREENHORN	7139	-360		<input type="checkbox"/>			
GRANEROS	7195	-416		<input type="checkbox"/>			
TWO WELLS	7251	-472		<input type="checkbox"/>	2746		Gas
PAGUATE	7292	-513		<input type="checkbox"/>			
UPPER CUBERO	7336	-557		<input type="checkbox"/>			
LOWER CUBERO	7366	-587		<input type="checkbox"/>			
OAK CANYON	7393	-614		<input type="checkbox"/>			Est. Btm Perf - 7422 ( - 643 ) based on offset wells
ENCINAL	7437	-658		<input type="checkbox"/>			TD - T/ENCN; consistent with air drill and offset information.
Total Depth	7437	-658		<input type="checkbox"/>		184	6.25" hole, 4-1/2" 11.6 ppf, L-80 LTC casing. Cement with 353 cuft. Circulate cement to inside 7" csg .

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

VAUGHN 32N

DEVELOPMENT

BURRO CANYON	7483	-704	<input type="checkbox"/>
MORRISON	7611	-832	<input type="checkbox"/>

## Reference Wells:

Reference Type	Well Name	Comments
Production	Vaughn 31	26N 6W 29 SE NW NE
Production	Vaughn 32M	26N 6W 29 SE NW NW
Production	Vaughn 32	26N 6W 29 SW NE SW

## Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Cased Hole GR / CBL

Mudlog from 100' above top of GLLP to TD - mudlogger will call TD.

## Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------