

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5 Lease Serial No <b>SF-079266</b>
2 Name of Operator <b>Burlington Resources Oil &amp; Gas Company LP</b>		6 If Indian, Allottee or Tribe Name
3a Address <b>PO Box 4289, Farmington, NM 87499</b>	3b Phone No (include area code) <b>(505) 326-9700</b>	7 If Unit of CA/Agreement, Name and/or No.
4 Location of Well (Footage, Sec, T., R, M, or Survey Description) <b>Surface UNIT L (NWSW), 2685' FSL &amp; 1070' FWL, Sec. 28, T26N, R6W</b> <b>Bottomhole UNIT F (SENW), 1485' FNL &amp; 1820' FWL, Sec. 28, T26N, R6W</b>		8 Well Name and No. <b>VAUGHN 30P</b>
		9 API Well No <b>30-039-30953</b>
		10 Field and Pool or Exploratory Area <b>Blanco MV/Basin DK</b>
		11 Country or Parish, State <b>Rio Arriba New Mexico</b>

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 checked="" type="checkbox"/> Other <u>Surface Casing</u>
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Setting Depth</u>
	<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 change the surface casing setting depth from the APD approved depth of 200' to 320' due to the Intermediate casing being close to 5000'. The new Project Proposal is attached.

RCVD JUN 22 '12  
OIL CONS. DIV.  
DIST. 3

**CONDITIONS OF APPROVAL**

Adhere to previously issued stipulations.

*Disbent T. Aswell*

**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)

DENISE JOURNEY

Title

REGULATORY TECHNICIAN

Signature

*Denise Journey*

Date

6/19/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

*Troy L. Salvors*

Title

*Petroleum Engineer*

Date

*6/20/12*

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 30P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8246				AFE \$: 1,841,972.50	
Field Name: SAN JUAN		Rig: Aztec Rig 920		State: NM	County: RIO ARRIBA		API #: 3003930953
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:		Phone:	
<b>Primary Objective (Zones):</b>							
<b>Zone</b>	<b>Zone Name</b>						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
<b>Location: Surface</b>							
Latitude: 36.457470		Longitude: -107.477951		X:	Y:	Section: 28	Range: 006W
Footage X: 1070 FWL		Footage Y: 2685 FSL		Elevation: 6436 (FT)		Township: 026N	
Tolerance:							
<b>Location: Bottom Hole</b>							
Latitude: 36.460863		Longitude: -107.475472		X:	Y:	Section: 28	Range: 006W
Footage X: 1820 FWL		Footage Y: 1485 FNL		Elevation: (FT)		Township: 026N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6451 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	6131		<input type="checkbox"/>			12-1/4 hole. 320' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	715	5736		<input type="checkbox"/>			
OJO ALAMO	2018	4433		<input type="checkbox"/>			
KIRTLAND	2179	4272		<input type="checkbox"/>			
FRUITLAND	2255	4196		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2671	3780		<input type="checkbox"/>	608	98	
LEWIS	2777	3674		<input type="checkbox"/>			
HUERFANITO BENTONITE	3095	3356		<input type="checkbox"/>			
CHACRA	3541	2910		<input type="checkbox"/>			
UPPER CLIFF HOUSE	3951	2500		<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	4335	2116		<input type="checkbox"/>	529		Gas
MENEFEE	4378	2073		<input type="checkbox"/>		130	
Intermediate Casing	4528	1923		<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1014 cuft. Circulate cement to surface.
POINT LOOKOUT	4912	1539		<input type="checkbox"/>			
MANCOS	5244	1207		<input type="checkbox"/>			
OAK CANYON	5794	657		<input type="checkbox"/>			
UPPER GALLUP	5989	462		<input type="checkbox"/>			
GREENHORN	6841	-390		<input type="checkbox"/>			
GRANEROS	6897	-446		<input type="checkbox"/>		178	
TWO WELLS	6953	-502		<input type="checkbox"/>	2635		Gas
PAGUATE	7001	-550		<input type="checkbox"/>			

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

VAUGHN 30P

DEVELOPMENT

UPPER CUBERO	7040	-589	<input type="checkbox"/>	Gas
LOWER CUBERO	7072	-621	<input type="checkbox"/>	Gas - Est bottom perf 50' below the top of Encinal pending thickness
ENCINAL	7142	-691	<input type="checkbox"/>	183 Gas - For mud drill TD go 100' below top of Encinal
Total Depth	7242	-791	<input type="checkbox"/>	6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55/L-80, STC/LTC casing. Cement w/ 359 cuft. Circulate cement a minimum of 100' inside the previous casing string.
BURRO CANYON	7252	-801	<input type="checkbox"/>	
MORRISON	7302	-851	<input type="checkbox"/>	

## Reference Wells:

Reference Type	Well Name	Comments
Production	Vaughn 11	26N 6W 28 NE SW NW
Production	Vaughn 30E	26N 6W 28 SE NW NW
Production	Vaughn 30	26N 6W 28 NW NE SW

## Logging Program:

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

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

Case hole GR/CBL.

Mudlog ~100' above Gallup to TD and Mudloggers will call TD.

Bottom perf ~20' above the TD.

## Additional Information:

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