

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 13 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-079266 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name RCVD AUG 24 '10 OIL CONS. DIV. DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Vaughn 9. Well Number 32N
4. Location of Well Surface: Unit F(SENW), 1790' FNL & 1740' FWL Surface: Latitude: 36.459585° N (NAD83) Longitude: 107.494261° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 29, T26N, R6W API # 30-039- 30983
14. Distance in Miles from Nearest Town 46.8 miles from Bloomfield, NM	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1740'	
16. Acres in Lease 2560.000	17. Acres Assigned to Well 320.00 W/2 MV/DK
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 992' from Vaughn 32M (MV/DK)	
19. Proposed Depth 7579'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6764' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Dollie L. Busse</u> Dollie L. Busse (Staff Regulatory Tech)	Date <u>July 13, 2010</u>

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Montenegro

TITLE AFM

DATE 8/23/2010

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make or cause to be made any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

Example Master Plan Type 4

Bond Numbers NMB-000015 and NMB-000089

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

AUG 27 2010

NMOCD

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

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102
Revised October 12, 2005

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

JUL 18 2010

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

Bureau of Land Management
Department of the Interior

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30983		*Pool Code 71599 / 72319		*Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
*Property Code 7623		*Property Name VAUGHN			*Well Number 32N
*GRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			*Elevation 6764'

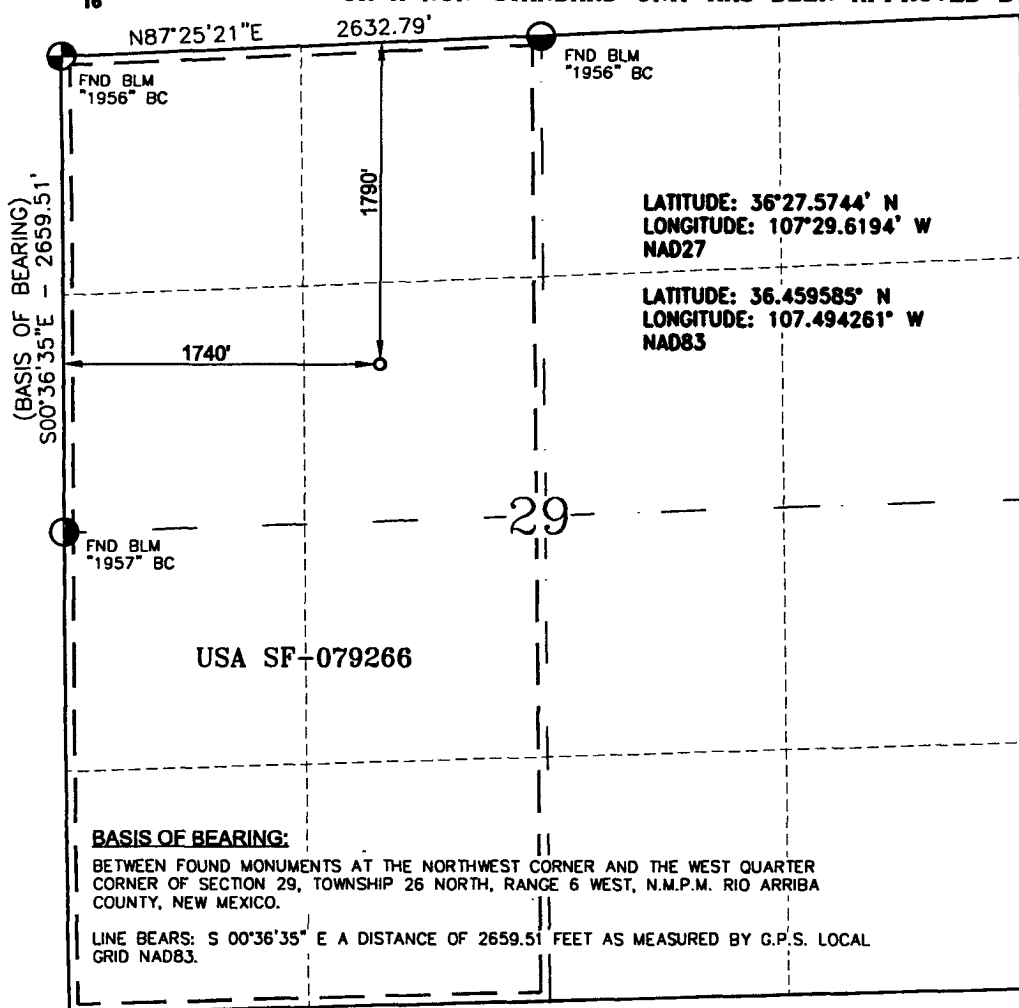
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	29	26-N	6-W		1790	NORTH	1740	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F									
*Dedicated Acres MV 320.00 ACRES W/2 DK 320.00 ACRES W/2			*Joint or Infill		*Consolidation Code		*Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 2/12/10
Signature
Crystal Tafoya 2/12/10
Printed Name

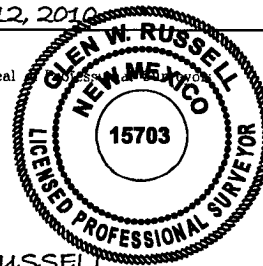
18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JANUARY 12, 2010

Date of Survey

Signature and Seal



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

VAUGHN 32N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9336				AFE \$: 0.00	
Field Name: SAN JUAN		Rig: XXX 2010 Holding		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Straight Hole							
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.): 1/1/2011		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"/>			320' 8 5/8" 24 ppf, J-55, STC casing. Cement with 213 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"/>			Est. Top Perf - 4551 (2228)
MASSIVE CLIFF HOUSE	4611	2168		<input type="checkbox"/>	446		Cliffhouse Is Wet
MENEFEE	4627	2152		<input type="checkbox"/>			
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"/>			Est. Btm Perf - 7422 (- 643) based on offset wells
OAK CANYON	7393	-614		<input type="checkbox"/>			
ENCINAL	7437	-658		<input type="checkbox"/>			TD - 142' below T/ENCN
BURRO CANYON	7483	-704		<input type="checkbox"/>			TD is in Burro Canyon
Total Depth	7579	-800		<input type="checkbox"/>	184		7 7/8" hole, 4-1/2" 11.6 ppf, N-80 LTC casing. Cement with 2228cuft. Circulate cement to surface.
MORRISON	7611	-832		<input type="checkbox"/>			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

VAUGHN 32N

DEVELOPMENT

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:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo	<input type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input type="checkbox"/> TDT	<input checked="" type="checkbox"/> Other
Cased Hole GR / CBL							
Mudlog from 100' above top of GLLP to TD - mudlogger will call TD. Check for gas shows in ENCN and BRCN.							

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



STC-110 SPECIAL JOBS FOR PAPER OFFICE

[illegible]

Directions from the Intersection of
Hwy 550 & Hwy 64 in Bloomfield, NM

To:

Burlington Resources Oil & Gas Company LP

VAUGHN #32N

1790' FNL & 1740' FWL,

Section 29, T26N, R6W, N.M.P.M., Rio Arriba County,

New Mexico

Latitude: 36° 27' 34.505" N

Longitude: 107° 29' 39.338" W

NAD 1983

Take Hwy 550 (south) for 1.0 miles to
CR 4900 (South Sullivan rd.)
turn left (easterly) on CR 4900 15.0 miles to Five Mile Bridge
stay right @ intersection (southeasterly) for 3.2 miles,
across 10 mile bridge, continue (southeasterly) 18.2 miles,
to Old Largo Canyon School, stay left (easterly) across
Ice Canyon Bridge 3.8 miles,
turn right (southeasterly) 0.15 miles,
turn right (southerly) 1.6 miles,
stay right @ 3 way intersection 0.2 miles,
turn right (southerly) 1.0 miles,
turn right (westerly) 2.2 miles,
continue (southerly) 0.5 miles,
to beginning of new access on left side of road,
turn left (easterly) and proceed 162.35' to newly staked location.