

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

FEB 03 2009

1a. Type of Work DRILL	5. Lease Number of Land Management USA SF-0791921010 Field Office 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 San Juan 28-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name
4. Location of Well Surf: Unit D(NWNW), 925' FNL & 90' FWL BHL: Unit H(SENE), 2000' FSL & 640' FEL Surf: Latitude: 36.665996 N Longitude: 107.445213 W BHL: Latitude: 36.663038 N Longitude: 107.447705 W	9. Well Number 121N
	10. Field, Pool, Wildcat Basin DK / Blanco MV
	11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 14, T28N, R6W H BHL: Sec. 15, T28N, R6W API # 30-039- 30670
14. Distance in Miles from Nearest Town 25.8 mile/Blanco	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 90'	
16. Acres in Lease 1,920.000	17. Acres Assigned to Well DK 320.00 (E/2) MV 320.00 (E/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 103' from San Juan 28-6 Unit 137M (Basin DK/Blanco MV)	
19. Proposed Depth 7778'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6459' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>James Gardenhire</u> James Gardenhire (Regulatory Technician)	2-2-09 Date

PERMIT NO.

APPROVAL DATE

APPROVED BY: [Signature]

TITLE

DATE

Archaeological Report attached

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 to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

NMOCD

FEB 24 2009

Hold C104

for Directional Survey
and "As Drilled" plat

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

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

Form C-102
Revised October 12, 2005

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

FEB 03 2009

Bureau of Land Management
Santa Fe Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30070	² Pool Code 71599 / 72319	³ Pool Name Blanco Basin DAKOTA/MESAVERDE
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28 - 6 UNIT	⁶ Well Number 121N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6459'

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
D	14	28-N	6-W		925'	NORTH	90'	WEST	RIO ARRIBA

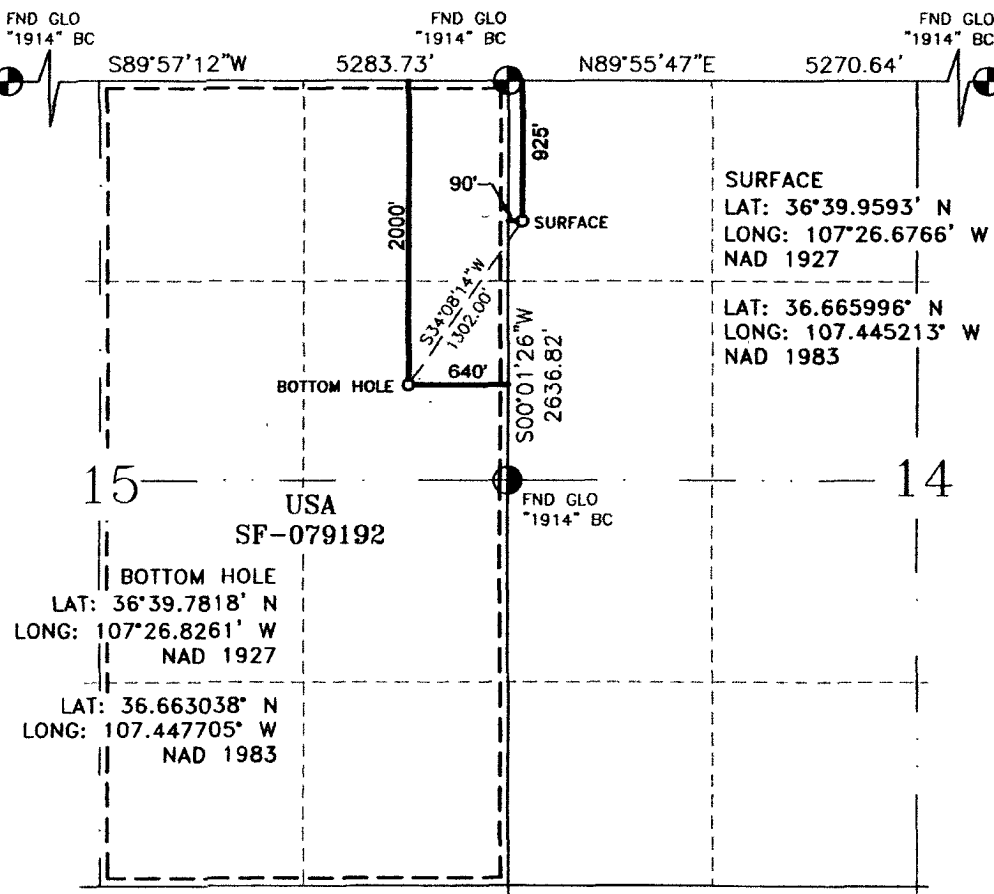
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	15	28-N	6-W		2000'	NORTH	640'	EAST	RIO ARRIBA

¹² Dedicated Acres DK 320.00 ACRES E/2 MV 320.00 ACRES E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

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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 unleased 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.

James Gardenhire 11/23/08
Signature
James Gardenhire
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.

10/23/08
Date of Survey
Signature and Seal of Professional Surveyor

Galen W. Russell
Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 121N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8172		AFE \$:	
Field Name: hBR_SAN JUAN 28-6 UNIT		Rig: H&P Rig 281		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

Location: Surface Datum Code: NAD 27

Latitude: 36.665988	Longitude: -107.444609	X:	Y:	Section: 14	Range: 006W
Footage X: 90 FWL	Footage Y: 925 FNL	Elevation: 6459	(FT)	Township: 028N	
Tolerance:					

Location: Bottom Datum Code: NAD 27

Latitude: 36.663030	Longitude: -107.447101	X:	Y:	Section: 15	Range: 006W
Footage X: 640 FEL	Footage Y: 2000 FNL	Elevation:	(FT)	Township: 028N	
Tolerance:					

Location Type: Year Round Start Date (Est.): 1/1/2009 Completion Date: Date In Operation:

Formation Data: Assume KB = 6474 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6274	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	2575	3899	☐			
KIRTLAND	2676	3798	☐			
FRUITLAND	2954	3520	☐			Possible Gas
PICTURED CLIFFS	3350	3124	☐			
LEWIS	3474	3000	☐			
HUERFANITO BENTONITE	3936	2538	☐			
Intermediate Casing	4200	2274	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1003 cuft. Circulate cement to surface.
CHACRA	4286	2188	☐			
UPPER CLIFF HOUSE	5048	1426	☐			Gas
MASSIVE CLIFF HOUSE	5152	1322	☐	550		Gas
MENEFEE	5246	1228	☐			
POINT LOOKOUT	5569	905	☐			
MANCOS	5978	496	☐			
UPPER GALLUP	6713	-239	☐			
GREENHORN	7456	-982	☐			
GRANEROS	7516	-1042	☐			
TWO WELLS	7562	-1088	☐	2575		Gas
UPPER CUBERO	7654	-1180	☐			
LOWER CUBERO	7696	-1222	☐			
ENCINAL	7778	-1304	☐			TD at top of Encinal with bottom perf about 15' off of TD.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 121N

DEVELOPMENT

Total Depth	7778	-1304	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 489 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	28-6 121 & 121M	section 15 28-6

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
No OH logs. Mudlog from 100' above Greenhorn to TD - loggers will call TD.	

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

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #121N
Company:	ConocoPhillips SJB	TVD Reference:	RKD @ 6474.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKD @ 6474.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #121N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,718.9	2,575.0	Ojo		0.00		
2,830.1	2,676.0	Kirtland		0.00		
3,135.9	2,954.0	Fruitland		0.00		
3,571.6	3,350.0	Pictured Cliffs		0.00		
3,707.3	3,474.0	Lewis		0.00		
4,187.2	3,936.0	Huerfano Bentonite		0.00		
4,538.1	4,286.0	Chacra		0.00		
5,300.1	5,048.0	Upper Cliffhouse		0.00		
5,404.1	5,152.0	Mass Cliffhouse		0.00		
5,498.1	5,246.0	Menefee		0.00		
5,821.1	5,569.0	Point Lookout		0.00		
6,230.1	5,978.0	Mancos		0.00		
6,965.1	6,713.0	Upper Gallup		0.00		
7,708.1	7,456.0	Greenhorn		0.00		
7,768.1	7,516.0	Graneros		0.00		
7,814.1	7,562.0	Two Wells		0.00		
7,906.1	7,654.0	Upper Cubero		0.00		
7,948.1	7,696.0	Lower Cubero		0.00		
8,030.1	7,778.0	Encinal		0.00		

**Directions from the Post Office
In Blanco, NM to
Burlington Resources Oil & Gas Company LP
SAN JUAN 28-6 UNIT #121N
925' FNL 90' FWL,
Section 14, T28N, R6W, N.M.P.M., Rio Arriba County,
New Mexico**

**Latitude: 36° 39' 57.6" N
Longitude: 107° 26' 42.8" W
Nad 83**

**From the Post Office in Blanco, NM
Take Hwy 64 east for 22.8 miles**

**Turn right (southeasterly) for 2.76 miles.
Turn right (southwesterly) for .28 miles,
Turn left (southerly) 300',
To the new location twinned with the existing well pad
San Juan 28-6 unit #137M.**