

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 03 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL		5. Lease Number USA SF-079192 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 RCVD JUL 1 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit A(NENE), 1305' FNL & 725' FEL BHL: Unit H(SENE), 2290' FNL & 435' FEL Surf: Latitude: 36.664930 N Longitude: 107.465996 W BHL: Latitude: 36.662231 N Longitude: 107.465001 W		10. Field, Pool, Wildcat Basin DK / Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) A Surf: Sec. 16, T28N, R6W H BHL: Sec. 16, T28N, R6W API # 30-039- 30693	
14. Distance in Miles from Nearest Town 27.16 mile/Blanco		12. County Rio Arriba	
15. Distance from Proposed Location to Nearest Property or Lease Line 725'		13. State NM	
16. Acres in Lease 1,920.000		17. Acres Assigned to Well DK/MV- 320.00 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 72' from San Juan 28-6 Unit 436 (Basin FC)			
19. Proposed Depth 8050'		20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6708' 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)		3-2-09 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 6/30/09

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

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"

Bond Numbers NMB-000015 and NMB-000089

Hold C104

for Directional Survey
and "As Drilled" plat

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

JUL 09 2009

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

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

Bureau of Land Management
FARMINGHAM FIELD OFFICE

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30093	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 123N
⁷ GRID No. 14588	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6708'

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
A	16	28-N	6-W		1305'	NORTH	725'	EAST	RIO ARRIBA

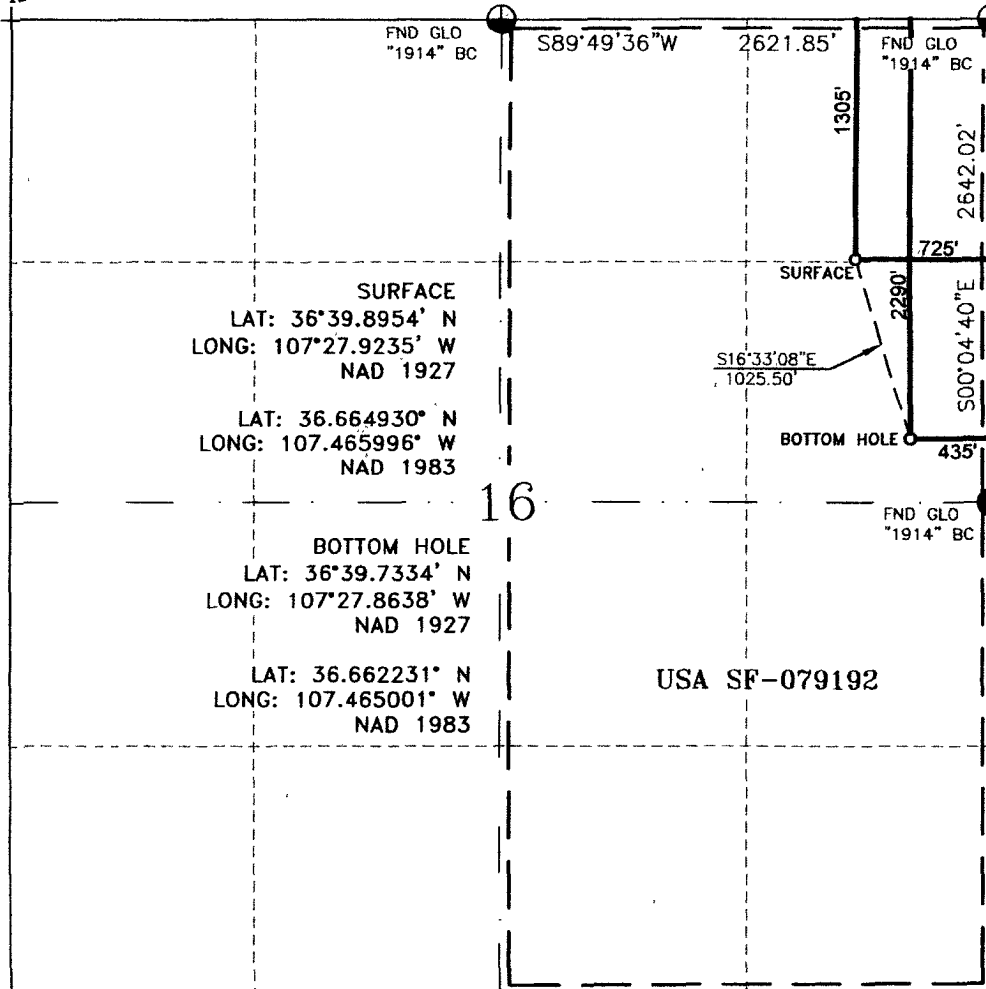
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	16	28-N	6-W		2290'	NORTH	435'	EAST	RIO ARRIBA

¹² Dedicated Acres MV 320.00 ACRES E/2 DK 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

18



17 OPERATOR CERTIFICATION

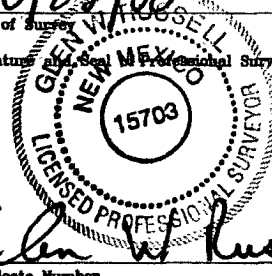
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this 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 11/24/08
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:
Glen W. Russell
Certificate Number 15703



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 123N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8183		AFE \$:	
Field Name: hBR_SAN JUAN 28-6 UNIT		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Johnson, David		Phone: +1 505-324-6169		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

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

Location: Surface Datum Code: NAD 27

Latitude: 36.664922	Longitude: -107.465392	X:	Y:	Section: 16	Range: 006W
Footage X: 725 FEL	Footage Y: 1305 FNL	Elevation: 6708	(FT)	Township: 028N	
Tolerance:					

Location: Bottom Datum Code: NAD 27

Latitude: 36.662223	Longitude: -107.464397	X:	Y:	Section: 16	Range: 006W
Footage X: 435 FEL	Footage Y: 2290 FNL	Elevation:	(FT)	Township: 028N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6723	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6523	☐			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 159 cubic ft. Circulate cement to surface.
OJO ALAMO	2793	3930	☐			
KIRTLAND	2898	3825	☐			
FRUITLAND	3193	3530	☐			Possible Gas
PICTURED CLIFFS	3553	3170	☐			
LEWIS	3723	3000	☐			
Intermediate Casing	3823	2900	☐			8-3/4" hole. 7", 23 ppf, J-55, LTC casing. Cement with 901 cubic ft. Circulate cement to surface.
HUERFANITO BENTONITE	4183	2540	☐			
CHACRA	4528	2195	☐			
MASSIVE CLIFF HOUSE	5291	1432	☐	434		Gas
MENEFEE	5450	1273	☐			
POINT LOOKOUT	5773	950	☐			
MANCOS	6230	493	☐			
UPPER GALLUP	6975	-252	☐			
GREENHORN	7724	-1001	☐			
GRANEROS	7786	-1063	☐			
TWO WELLS	7826	-1103	☐	2608		Gas
UPPER CUBERO	7931	-1208	☐			
LOWER CUBERO	7970	-1247	☐			
Total Depth	8050	-1327	☐			6-1/4" hole. 4-1/2", 11.6 ppf, J-55/L-80, LTC casing. Cement with 575 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	8050	-1327	☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 123N

DEVELOPMENT

Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

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

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

Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD. Est bottom perf ~20' above the est TD.

Additional Information:

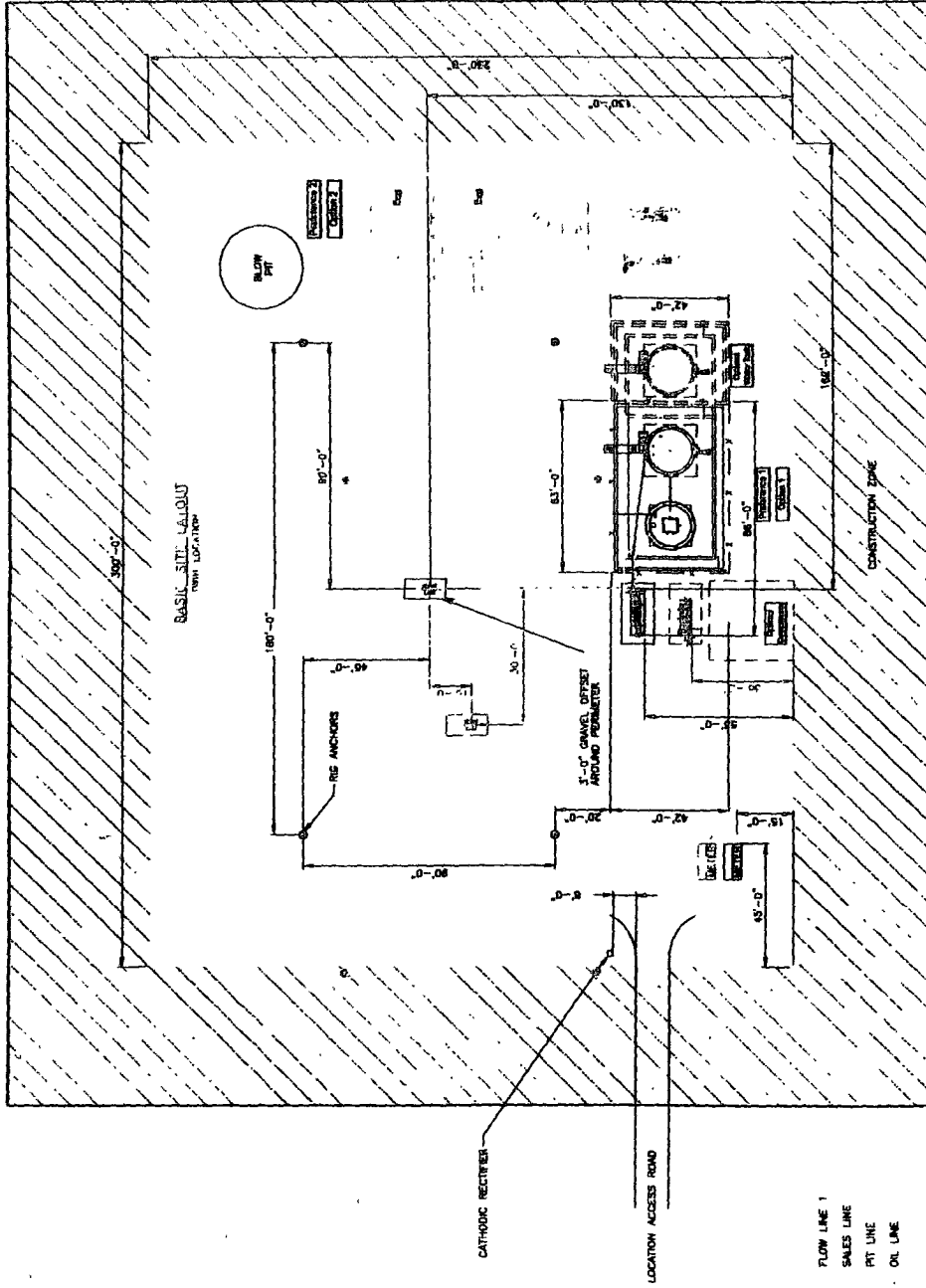
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #123N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6723.0ft (Genenc Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6723.0ft (Genenc Rig)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #123N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	Planned		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
		Upper Cliffhouse		0.00		
		Oak Canyon		0.00		
2,926.6	2,793.0	Ojo		0.00		
3,039.7	2,898.0	Kirtland		0.00		
3,356.9	3,193.0	Fruitland		0.00		
3,728.0	3,553.0	Pictured Cliffs		0.00		
3,898.9	3,723.0	Lewis		0.00		
4,359.0	4,183.0	Huerfano Bentonite		0.00		
4,704.0	4,528.0	Chacra		0.00		
5,467.0	5,291.0	Mass Cliffhouse		0.00		
5,626.0	5,450.0	Menefee		0.00		
5,949.0	5,773.0	Point Lookout		0.00		
6,406.0	6,230.0	Mancos		0.00		
7,151.0	6,975.0	Upper Gallup		0.00		
7,900.0	7,724.0	Greenhorn		0.00		
7,962.0	7,786.0	Graneros		0.00		
8,002.0	7,826.0	Two Wells		0.00		
8,107.0	7,931.0	Upper Cubero		0.00		
8,146.0	7,970.0	Lower Cubero		0.00		
8,226.0	8,050.0	Encinal		0.00		



SEE SHEET 3 & 4 FOR DIMENSIONS
ALL DIMENSIONS ARE TO BE BASED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

CORROCORPHILLIPS									
HIGH PRESSURE 3 PHASE									
FACILITY DIAGRAM- SITE LAYOUT									
SAN JUAN BUSINESS UNIT									
HP3PHASE-REV1									
REVISION	DATE	BY	CHKD	APP	DESCRIPTION	ENGINEERING REVIEW	DESIGNER	DATE	DESCRIPTION
1	01/01/00	01	01	01	01	01	01	01	01
2	01/01/00	01	01	01	01	01	01	01	01
3	01/01/00	01	01	01	01	01	01	01	01
4	01/01/00	01	01	01	01	01	01	01	01
5	01/01/00	01	01	01	01	01	01	01	01
6	01/01/00	01	01	01	01	01	01	01	01
7	01/01/00	01	01	01	01	01	01	01	01
8	01/01/00	01	01	01	01	01	01	01	01
9	01/01/00	01	01	01	01	01	01	01	01
10	01/01/00	01	01	01	01	01	01	01	01
11	01/01/00	01	01	01	01	01	01	01	01
12	01/01/00	01	01	01	01	01	01	01	01
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14	01/01/00	01	01	01	01	01	01	01	01
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97	01/01/00	01	01	01	01	01	01	01	01
98	01/01/00	01	01	01	01	01	01	01	01
99	01/01/00	01	01	01	01	01	01	01	01
100	01/01/00	01	01	01	01	01	01	01	01

**Directions from the Post Office
In Blanco, NM to
Burlington Resources Oil & Gas Company LP
SAN JUAN 28-6 UNIT #123N
1305' FNL 725' FEL,
Section 16, T28N, R6W, N.M.P.M., Rio Arriba County,
New Mexico**

**Latitude: 36° 39' 53.7" N
Longitude: 107° 27' 57.6" W
Nad 83**

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

**Turn right (southeasterly) for 1.96 miles.
Turn right (southwesterly) for 1.3 miles,
To the top of snake hill,
Turn right (northwesterly) 0.6 miles,
Turn left (southerly) 0.1 miles,
Turn left (southeasterly) 0.2 miles,
Stay left (easterly) 0.2 miles,
to the new location twinned with the existing well pad
San Juan 28-6 unit #436.**