

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 04 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-079050-D 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 JUN 22 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit E(SWNW), 1670' FNL & 1115' FEL Bottomhole: Unit F(SENW), 2292' FNL & 1870' FWL Surf: Latitude: 36.634953° N (NAD83) Longitude: 107.459686° W Bottomhole: Latitude: 36.633242° N (NAD83) Longitude: 107.457111° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 27, T28N, R6W API # 30-039-30771	
14. Distance in Miles from Nearest Town 29.7 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1115'	17. Acres Assigned to Well MV/DK 320.00 (W/2)	
16. Acres in Lease 520.00		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 277' from San Juan 28-6 Unit 154M		
19. Proposed Depth 7740'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6649' GL	22. Approx. Date Work will Start 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	
23. Proposed Casing and Cementing Program See Operations Plan attached	6/13/09	
24. Authorized by: Tracey N. Monroe (Staff Regulatory Technician)	Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

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

JUN 25 2009

This action is subject to technical and procedural review pursuant to 43 CFR 3165.8 and appeal pursuant to 43 CFR 3165.4

Hold C104
for Directional Survey
and "As Drilled" plat

NOCD

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

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

RECEIVED

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
04 2009 State Lease - 4 Copies
Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ APT Number 30-039- 30771		² Pool Code 71599 / 72319	³ Pool Name Basin DAKOTA/MESAVERDE
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28 - 6 UNIT		⁶ Well Number 154N
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 6449'

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
E	27	28-N	6-W		1670'	NORTH	1115'	WEST	RIO ARriba

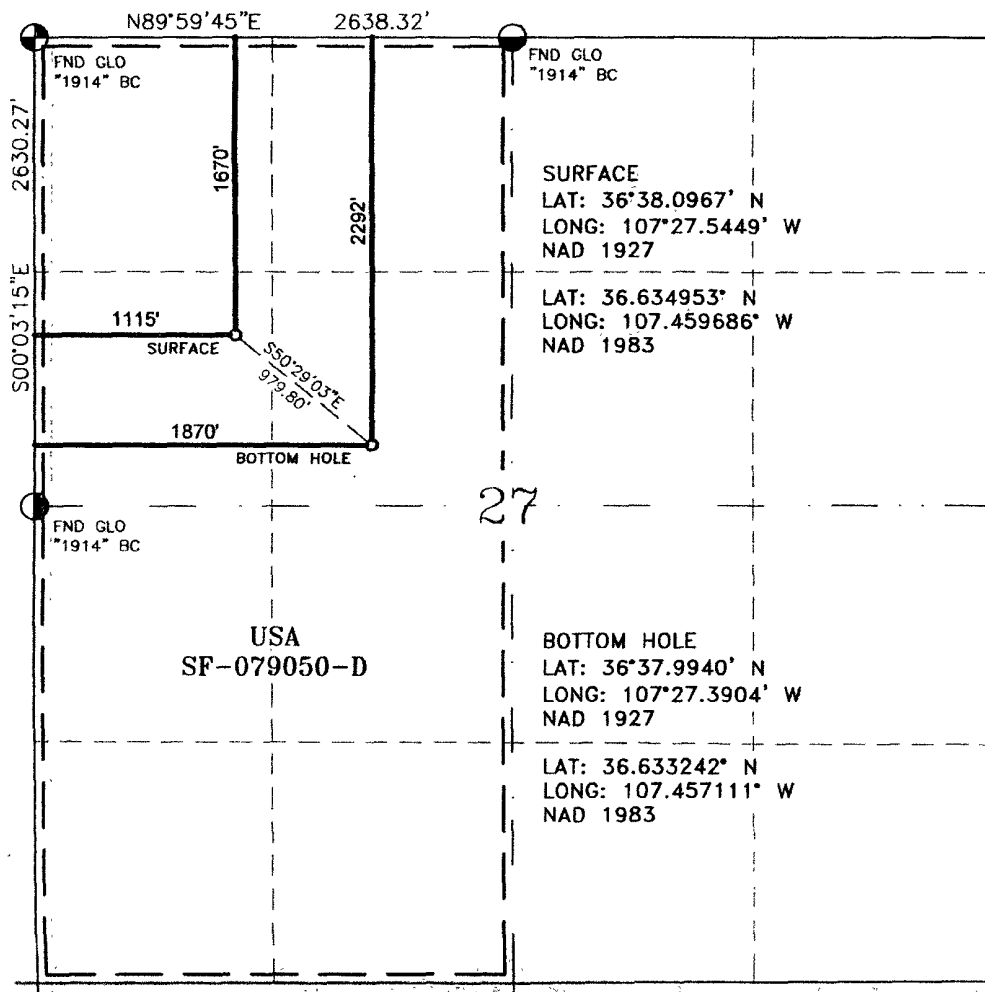
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	27	28-N	6-W		2292'	NORTH	1870'	WEST	RIO ARRIBA

¹² Dedicated Acres DK 320.00 ACRES W/2 MV 320.00 ACRES W/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 working interest, or to a written agreement or a compulsory pooling order heretofore entered by the division.

James Gardenhire 12/19/08
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.

10/24/08

Date of Survey

Signature and Seal of Registered Surveyor:

GEN. W. RUSSELL
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR

Gen. W. Russell

Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 154N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8216		AFE \$: 1,587,935.07	
Field Name: hBR_SAN JUAN 28-6 UNIT		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Johnson, David		Phone: +1 505-324-6169	Prod. Engineer:		Phone:
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826	Proj. Field Lead:		Phone:
Primary Objective (Zones):					
Zone	Zone Name				
R20076	DAKOTA(R20076)				
R20002	MESAVERDE(R20002)				
Location:					
Datum Code: NAD 27					
Latitude: 36.635929	Longitude: -107.458000	X:	Y:	Section: 27	Range: 006W
Footage X:	Footage Y:	Elevation:	(FT)	Township: 028N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6464 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6264	☐		
OJO ALAMO	2516	3948	☐		
KIRTLAND	2634	3830	☐		
FRUITLAND	2856	3608	☐		Possible Gas
PICTURED CLIFFS	3229	3235	☐		
LEWIS	3414	3050	☐		
Intermediate Casing	3514	2950	☐		
HUERFANITO BENTONITE	3867	2597	☐		
CHACRA	4206	2258	☐		
MASSIVE CLIFF HOUSE	4889	1575	☐	680	Gas
MENEFEE	5049	1415	☐		
POINT LOOKOUT	5434	1030	☐		
MANCOS	5946	518	☐		
UPPER GALLUP	6650	-186	☐		
GREENHORN	7396	-932	☐		
GRANEROS	7459	-995	☐		
TWO WELLS	7495	-1031	☐	2515	Gas
UPPER CUBERO	7609	-1145	☐		
LOWER CUBERO	7648	-1184	☐		
Total Depth	7740	-1276	☐		
ENCINAL	7740	-1276	☐		
Reference Wells:					
Reference Type	Well Name	Comments			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 154N

DEVELOPMENT

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:

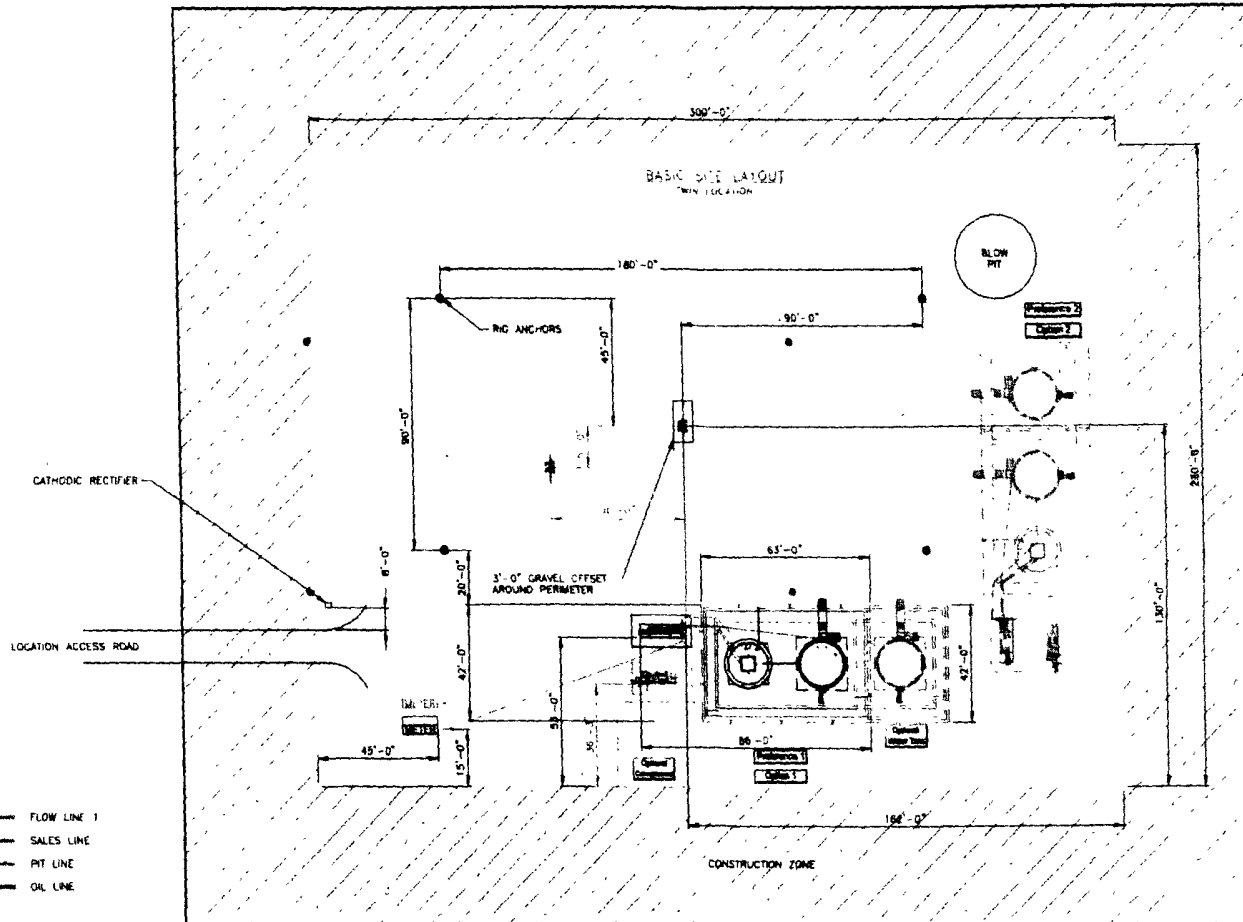
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #154N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6464.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6464.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #154N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,651.4	2,516.0	Ojo		0.00		
2,781.0	2,634.0	Kirtland		0.00		
3,022.5	2,856.0	Fruitland		0.00		
3,408.2	3,229.0	Pictured Cliffs		0.00		
3,594.2	3,414.0	Lewis		0.00		
4,047.2	3,867.0	Huerfano Bentonite		0.00		
4,386.2	4,206.0	Chacra		0.00		
5,069.2	4,889.0	Mass Cliffhouse		0.00		
5,229.2	5,049.0	Menefee		0.00		
5,614.2	5,434.0	Point Lookout		0.00		
6,126.2	5,946.0	Mancos		0.00		
6,830.2	6,650.0	Upper Gallup		0.00		
7,576.2	7,396.0	Greenhorn		0.00		
7,639.2	7,459.0	Graneros		0.00		
7,675.2	7,495.0	Two Wells		0.00		
7,789.2	7,609.0	Upper Cubero		0.00		
7,828.2	7,648.0	Lower Cubero		0.00		
7,920.2	7,740.0	Encinal		0.00		



———— FLOW LINE 1
 ———— SALES LINE
 ———— PIT LINE
 ———— OIL LINE

SEE SHEET 3 & 4 FOR Piping DETAILS
 A. UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS				CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT			
										DESIGN	REVIEW	REV	NO.	DESCRIPTION			CLIENT NO.	APPR. DATE		
										PROCESS										
										MECHANICAL										
										PIPELINE										
										ELECTRICAL										
										P&ID										
										CIVIL/STRUCTURE										
										PROJECTS										

SAN JUAN BUSINESS UNIT

Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 28-6 UNIT #154N
1670' FNL & 1115' FWL,
Section 27, T28N, R6W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 38' 05.83" N
Longitude: 107° 27' 34.87" W
Nad 83

From the Post Office in Blanco, NM
Take Highway 64 East for 22.8 miles

turn right (southwesterly) for 3.4 miles,
stay right @ Y-Intersection (southwesterly) for 2.1 miles,
turn right (westerly) 0.1 miles,
turn right (northwesterly) 0.3 miles,
continue through intersection (westerly) 0.8 miles,
turn left (southwesterly) for 0.2 miles,
to the new well pad located
on the south side of the existing well loction,
San Juan 28-6 Unit #154M & 474S.