

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 25 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Bureau of Land Management  
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-080712-A Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe  RCVD APR 3 '09
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name OIL CONS. DIV. San Juan 30-6 Unit DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700	8. Farm or Lease Name  9. Well Number 48M
4. Location of Well Surf: Unit L(NWSW), 1865' FSL & 50' FWL Bottomhole: Unit M(SWSW), 1050' FSL & 1185' FWL  Surf: Latitude: 36.781464° N (NAD83) Longitude: 107.459059° W Bottomhole: Latitude: 36.779237° N (NAD83) Longitude: 107.455184° W	10. Field, Pool, Wildcat Basin DK/Blanco MV  11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 27, T30N, R6W  API # 30-039- 30724
14. Distance in Miles from Nearest Town 47 miles/Bloomfield	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 50'	13. State NM
16. Acres in Lease 1,866.90	17. Acres Assigned to Well MV/DK 320.00 (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 790' from San Juan 30-6 Unit 48R (MV)	20. Rotary or Cable Tools Rotary
19. Proposed Depth 7905'	
21. Elevations (DF, FT, GR, Etc.) 6438' 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	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	<u>3/25/2009</u> Date

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

Hold C104 for Directional Survey and "As Drilled" plat

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY: [Signature] TITLE ATEM DATE 4/2/09

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.

NOTIFY AZTEC OSD 2 HRS.  
PRIOR TO CASING & CEMENT

Example Master Plan Type 3 Bond Numbers NMB-000015 and NMB-000089 APR 07 2009

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

NMOCD

Drilling operations authorized are subject to compliance with attached "General Requirements".

[Signature]

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W Grand Avenue, Artesa, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 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 - 7 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039- 30724		<sup>2</sup> Pool Code 71599/72319		<sup>3</sup> Pool Name BASIN DAKOTA / BLANCO MESAVERDE	
<sup>4</sup> Property Code 7469		<sup>5</sup> Property Name SAN JUAN 30-6 UNIT			<sup>6</sup> Well Number 48M
<sup>7</sup> OGRID No. 14538		<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			<sup>9</sup> Elevation 6438

<sup>10</sup> SURFACE LOCATION

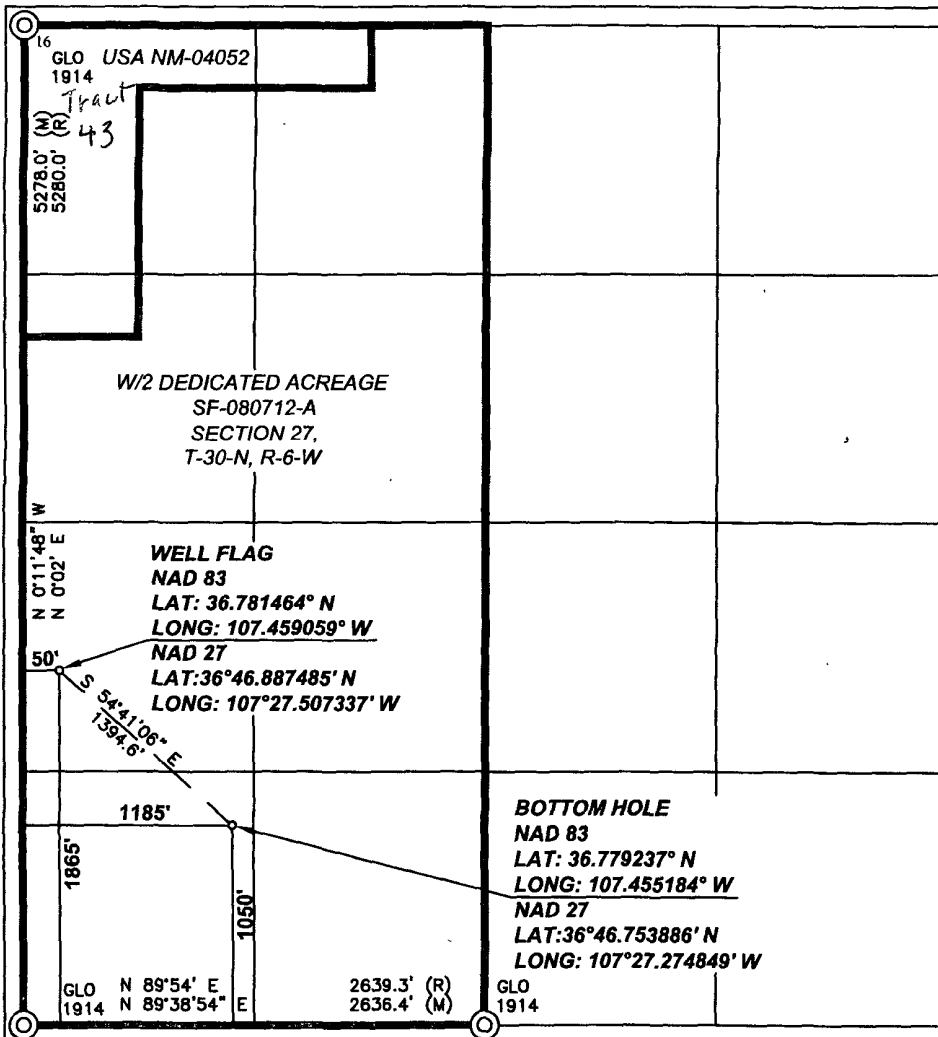
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	27	30-N	6-W		1865	SOUTH	50	WEST	RIO ARRIBA

<sup>11</sup> 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
M	27	30-N	6-W		1050	SOUTH	1185	WEST	RIO ARRIBA

<sup>12</sup> Dedicated Acres 320.00 (W)	<sup>13</sup> Joint or Infill (2)	<sup>14</sup> Consolidation Code	<sup>15</sup> 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



<sup>17</sup> 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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Crystal Tafoya* 3/20/09  
Signature

Crystal Tafoya  
Printed Name

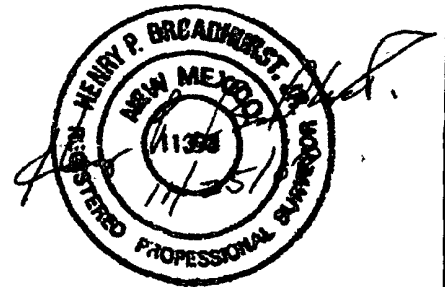
Regulatory Technician  
Title and E-mail Address

March 20th, 2009  
Date

<sup>18</sup> 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

Date of Survey: 10/28/08  
Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 48M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8344		AFE \$: 1,752,259.27	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist: Phone:	
Geoscientist:		Phone:		Prod. Engineer: Phone:	
Res. Engineer: Hester, Colton		Phone: +1 505-326-9779		Proj. Field Lead: Phone:	

**Primary Objective (Zones):**

Zone	Zone Name
RON	BLANCO MESAVERDE (PRORATED GAS)
FRR	BASIN DAKOTA (PRORATED GAS)

**Location:** Datum Code: NAD 27

Latitude: 36.781458	Longitude: -107.458455	X:	Y:	Section: 27	Range: 006W
Footage X: 50 FWL	Footage Y: 1865 FSL	Elevation: 6438	(FT)	Township: 030N	

Tolerance:

**Location:** Datum Code: NAD 27

Latitude: 36.779231	Longitude: -107.454580	X:	Y:	Section: 27	Range: 006W
Footage X: 1185 FWL	Footage Y: 1050 FSL	Elevation:	(FT)	Township: 030N	

Tolerance:

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

Formation Data: Assume KB = 6453      Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6253	<input type="checkbox"/>			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	2508	3945	<input type="checkbox"/>			
KIRTLAND	2615	3838	<input type="checkbox"/>			
FRUITLAND	2925	3528	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3375	3078	<input type="checkbox"/>			
LEWIS	3458	2995	<input type="checkbox"/>			
HUERFANITO BENTONITE	4098	2355	<input type="checkbox"/>			
Intermediate Casing	4400	2053	<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1053 cuft. Circulate cement to surface.
CHACRA	4421	2032	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5248	1205	<input type="checkbox"/>	245		Gas
MENELEE	5295	1158	<input type="checkbox"/>			
POINT LOOKOUT	5581	872	<input type="checkbox"/>			
MANCOS	5953	500	<input type="checkbox"/>			
UPPER GALLUP	6818	-365	<input type="checkbox"/>			
GREENHORN	7564	-1111	<input type="checkbox"/>			
GRANEROS	7617	-1164	<input type="checkbox"/>			
TWO WELLS	7708	-1255	<input type="checkbox"/>	3280		Gas
UPPER CUBERO	7752	-1299	<input type="checkbox"/>			
LOWER CUBERO	7779	-1326	<input type="checkbox"/>			
ENCINAL	7850	-1397	<input type="checkbox"/>			
Total Depth	7905	-1452	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 479 cuft. Circulate cement a minimum of 100' inside the previous casing string.

# PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-6 UNIT 48M

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

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
Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD. TD is ~15' above the est TD.	

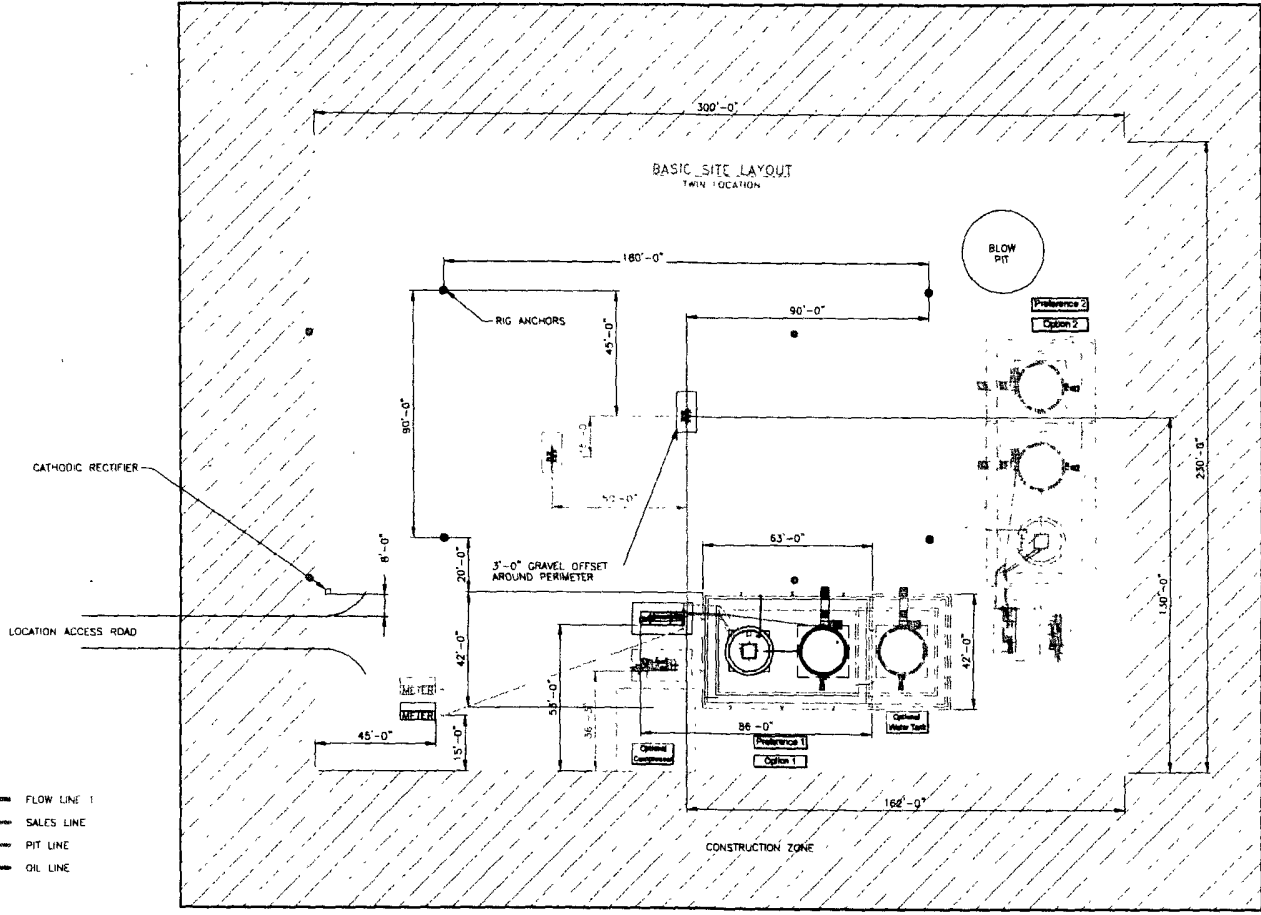
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

# ConocoPhillips or its affiliates

## Planning Report

<b>Database:</b>	EDM Central Planning	<b>Local Co-ordinate Reference:</b>	Well SJ 30-6 #48M
<b>Company:</b>	ConocoPhillips SJB	<b>TVD Reference:</b>	RKB @ 6453.0ft (Original Well Elev)
<b>Project:</b>	San Juan Basin - New Mexico Wells	<b>MD Reference:</b>	RKB @ 6453.0ft (Original Well Elev)
<b>Site:</b>	San Juan 30 Wells	<b>North Reference:</b>	Grid
<b>Well:</b>	SJ 30-6 #48M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Principal Wellbore		
<b>Design:</b>	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,645.5	2,508.0	Ojo		0.00		
2,763.2	2,615.0	Kirtland		0.00		
3,104.4	2,925.0	Fruitland		0.00		
3,599.6	3,375.0	Pictured Cliffs		0.00		
3,690.9	3,458.0	Lewis		0.00		
4,369.4	4,098.0	Huerfanto Bentonite		0.00		
4,693.7	4,421.0	Chacra		0.00		
5,520.7	5,248.0	Mass Cliffhouse		0.00		
5,567.7	5,295.0	Menefee		0.00		
5,853.7	5,581.0	Point Lookout		0.00		
6,225.7	5,953.0	Mancos		0.00		
7,090.7	6,818.0	Upper Gallup		0.00		
7,836.7	7,564.0	Greenhorn		0.00		
7,889.7	7,617.0	Graneros		0.00		
7,980.7	7,708.0	Two Wells		0.00		
8,024.7	7,752.0	Upper Cubero		0.00		
8,051.7	7,779.0	Lower Cubero		0.00		
8,122.7	7,850.0	Encinal		0.00		



- ===== FLOW LINE 1
- ===== SALES LINE
- ===== PIT LINE
- ===== OIL LINE

SEE SHEET 3 & 4 FOR PIPING DETAILS  
 ALL 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		
DISCIPLINE	REVIEWED	DATE	NO.	DESCRIPTION	CLIENT No.	CLIENT ADDR.	APPRO. DATE								
PROCESS															
MECHANICAL															
PIPING															
ELECTRICAL															
J & C															
CIVIL/STRUCTURAL															
PROJECT															

DESCRIPTION	DATE	BY	CHK'D	ENG	DISC.	PRJ.	CIVIL/STRUCTURAL PROJECT

SAN JUAN BUSINESS UNIT		CLIENT No.	CLIENT ADDR.	APPRO. DATE
		SCALE NONE	CREATION DATE 8/26/07	
		DWG No.	HP3PHASE-REV1	SHEET No.
				1 OF 5

Revised: 8/26/07; calc/checked/Regulatory/rev Location Site Layout.dwg, 06/28/2007 - GCS/epa

# **BURLINGTON RESOURCES OIL & GAS COMPANY LP**

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**SAN JUAN 30-6 UNIT #48M**

**1865' FSL, 50' FWL**

**SECTION 27, T-30-N, R-6-W, N.M.P.M.,**

**RIO ARRIBA COUNTY, NEW MEXICO**

**NAD 83 LAT.: 36.781464°N LONG.: 107.459059°W**

**ELEV.: 6438 NAVD88**

**NEW ACCESS 243.4'**

FROM BLOOMFIELD, N.M.:

- GO 37.7 MI. EAST ON HWY. 64 (MILE MARKER 102.3) TURN LEFT (NORTH) ON HWY. 527, AKA SIMMS MARINA ROAD.
- GO 8.0 MI. NORTH ON HWY. 527 (SIMMS MARINA ROAD). TURN RIGHT ONTO ROSA ROAD.
- GO 1.0 MI. NORTH ON ROSA ROAD. TURN RIGHT (EAST).
- GO 0.6 MI. EAST. BEGIN NEW ACCESS ON RIGHT (SOUTH) SIDE OF ROAD.