

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 16 2009

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

RCVD APR 15 '09  
OIL CONS. DIV.  
DIST. 3

1a. Type of Work DRILL	5. Lease Number SF-079192 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator <b>BURLINGTON</b> 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  9. Well Number 144N	
4. Location of Well Surf: Unit K(NESW), 1685' FSL & 1460' FWL Bottomhole: Unit L(NWSW) 1930' FSL & 375' FWL  Surf: Latitude: 36.65867° N (NAD83) Longitude: 107.49446° W Bottomhole: Latitude: 36.65935° N (NAD83) Longitude: 107.49816° W	10. Field, Pool, Wildcat Basin DK/Blanco MV  11. Sec., Twn, Rge, Mer. (NMPM) K Sec. 17, T28N, R6W  API # 30-039- 30714	
14. Distance in Miles from Nearest Town 11 miles/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1175'		
16. Acres in Lease 1,920.00	17. Acres Assigned to Well 320.0 Acres MV/DK - <i>W/2</i>	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' from San Juan 28-6 Unit 455 (FC)		
19. Proposed Depth 7905'		
21. Elevations (DF, FT, GR, Etc.) 6630' GL	20. Rotary or Cable Tools BLM'S APPROVAL FOR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS Hold C104 for Directional Survey and "As Drilled" plat	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Crystal Tafoya</i> Crystal Tafoya (Regulatory Technician)	Date <i>3/16/2009</i>	

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY *D. Montezano* TITLE *AFM* DATE *4/14/09*  
NOTIFY AZTEC OGD 24 HRS. PRIOR TO CASING & CEMENT

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

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

APR 24 2009  
NMOC

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

District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
1301 W. Grand Avenue, Artesia, 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

RECEIVED

MAR 16 2009

Bureau of Land Management  
Farmington Field Office

Form C-102  
Revised October 12, 2005  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number <b>30-039-30714</b>	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code <b>7462</b>	*Property Name SAN JUAN 28-6 UNIT	*Well Number 144N
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 6630'

### 10 Surface Location

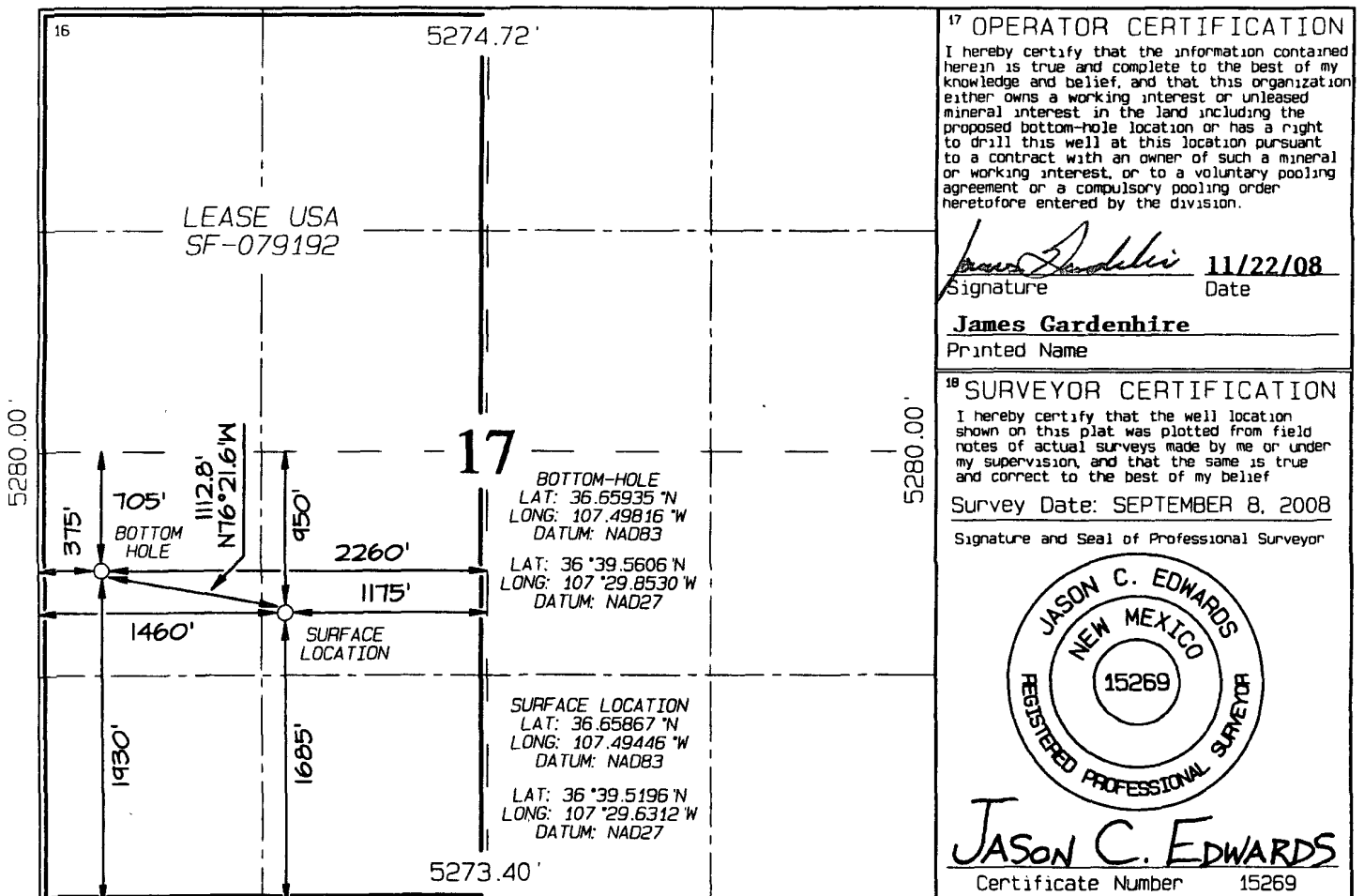
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	17	28N	6W		1685	SOUTH	1460	WEST	RIO ARriba

### 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
L	17	28N	6W		1930	SOUTH	375	WEST	RIO ARriba

12 Dedicated Acres	320.0 Acres - W/2 (MV) 320.0 Acres - W/2 (DK)	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



# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 144N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7471		AFE \$: 1,713,984.11	
Field Name: hBR_SAN JUAN 28-6 UNIT		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797	Proj. Field Lead:		Phone:
<b>Primary Objective (Zones):</b>					
Zone	Zone Name				
R20076	DAKOTA(R20076)				
R20002	MESAVERDE(R20002)				
<b>Location: Surface Datum Code: NAD 27</b>					
Latitude: 36.658662	Longitude: -107.493855	X:	Y:	Section: 17	Range: 006W
Footage X: 1460 FWL	Footage Y: 1685 FSL	Elevation: 6630 (FT)	Township: 028N		
Tolerance:					
<b>Location: Bottom Hole Datum Code: NAD 27</b>					
Latitude: 36.659342	Longitude: -107.497555	X:	Y:	Section: 17	Range: 006W
Footage X: 375 FWL	Footage Y: 1930 FSL	Elevation: (FT)	Township: 028N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6645 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6445	<input type="checkbox"/>		
OJO ALAMO	2600	4045	<input type="checkbox"/>		
KIRTLAND	2717	3928	<input type="checkbox"/>		
FRUITLAND	3030	3615	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	3437	3208	<input type="checkbox"/>		
LEWIS	3550	3095	<input type="checkbox"/>		
Intermediate Casing	3800	2845	<input type="checkbox"/>		
HUERFANITO BENTONITE	4020	2625	<input type="checkbox"/>		
CHACRA	4375	2270	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	5079	1566	<input type="checkbox"/>	489	Gas
MENEFEE	5267	1378	<input type="checkbox"/>		
POINT LOOKOUT	5603	1042	<input type="checkbox"/>		
MANCOS	6109	536	<input type="checkbox"/>		
UPPER GALLUP	6843	-198	<input type="checkbox"/>		
GREENHORN	7573	-928	<input type="checkbox"/>		
GRANEROS	7642	-997	<input type="checkbox"/>		
TWO WELLS	7683	-1038	<input type="checkbox"/>	2546	Gas
UPPER CUBERO	7789	-1144	<input type="checkbox"/>		
LOWER CUBERO	7825	-1180	<input type="checkbox"/>		
ENCINAL	7904	-1259	<input type="checkbox"/>		
Total Depth	7905	-1260	<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.					
8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 903 cuft. Circulate cement to surface.					
6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 559 cuft. Circulate cement a minimum of 100' inside the previous casing string.					

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 144N

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.	

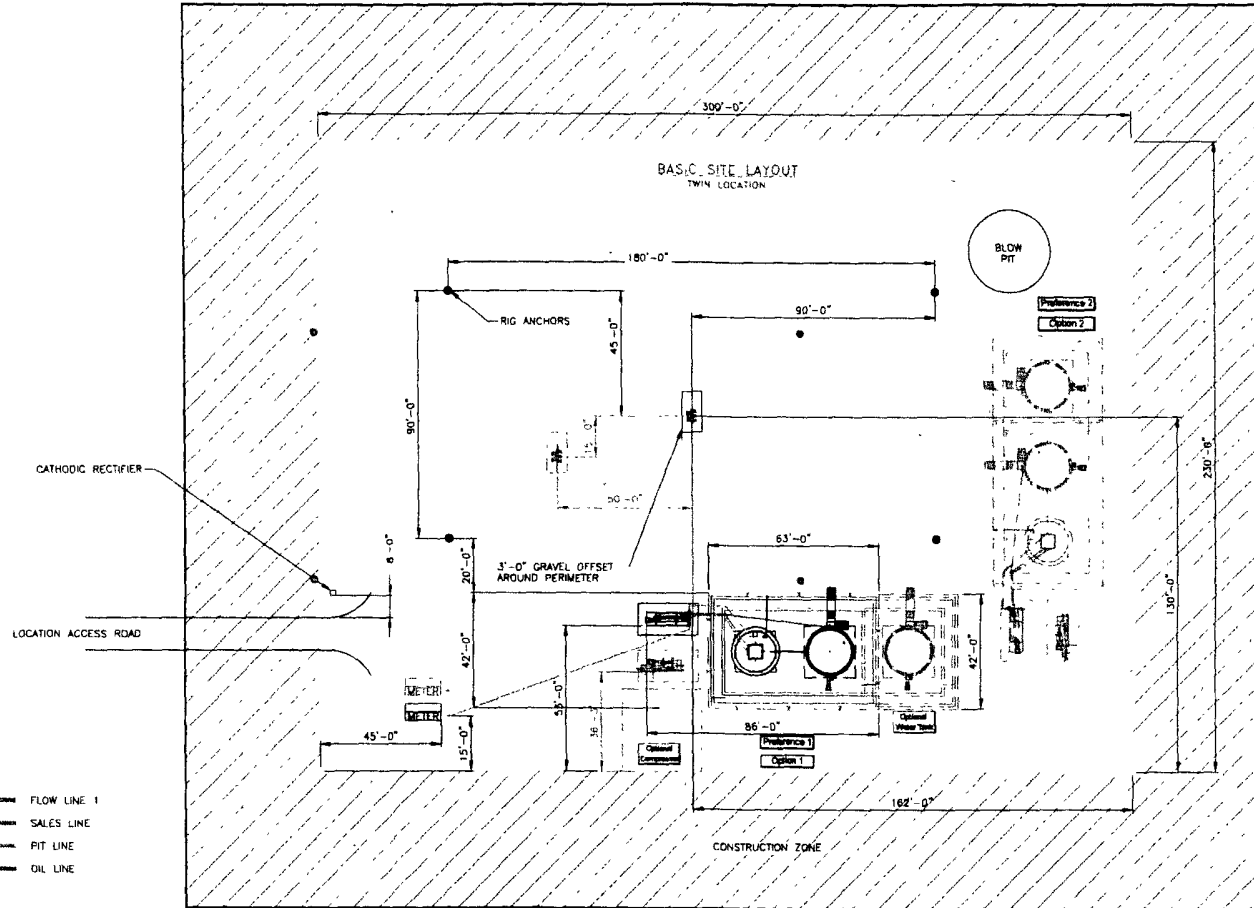
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

# ConocoPhillips or its affiliates

## Planning Report


Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #144N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6645.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6645.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #144N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,744.8	2,600.0	Ojo		0.00		
2,873.3	2,717.0	Kirtland		0.00		
3,217.1	3,030.0	Fruitland		0.00		
3,644.5	3,437.0	Pictured Cliffs		0.00		
3,759.0	3,550.0	Lewis		0.00		
4,229.7	4,020.0	Huerfano Bentonite		0.00		
4,584.7	4,375.0	Chacra		0.00		
5,288.7	5,079.0	Mass Cliffhouse		0.00		
5,476.7	5,267.0	Menefee		0.00		
5,812.7	5,603.0	Point Lookout		0.00		
6,318.7	6,109.0	Mancos		0.00		
7,052.7	6,843.0	Upper Gallup		0.00		
7,782.7	7,573.0	Greenhorn		0.00		
7,851.7	7,642.0	Graneros		0.00		
7,892.7	7,683.0	Two Wells		0.00		
7,998.7	7,789.0	Upper Cubero		0.00		
8,034.7	7,825.0	Lower Cubero		0.00		
8,113.7	7,904.0	Encinal		0.00		



SEE SHEET J & K 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 APPR.	APPR. DATE	
										PROCESS									SCALE: NONE	CREATION DATE: 8/25/07	
										MECHANICAL											
										PIPING											
										ELECTRICAL											
										I & C											
										CIVIL/STRUCTURAL											
										PROJECT											
																				</	

SAN JUAN BUSINESS UNIT

Path: S:\p\2\loc\Andres Reguatory\Twin Location Site Layout.dwg, 26/08/2007 - 3235pm

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

**to Burlington Resources Oil & Gas Company San Juan 28-6 Unit #144N**

**1685' FSL & 1460' FWL, Section 17, T28N, R6W, N.M.P.M., Rio Arriba County, NM**

**Latitude: 36.65867°N Longitude: 107.49446°W Datum: NAD1983**

From the intersection of US Hwy 550 South & US Hwy 64 in Bloomfield, NM, travel Easterly on US Hwy 64 for 31.9 miles to the San Juan 29-6 Water Well #1 @ Milepost 96.3;

Go right (South-easterly) on Trunk-L Road for 2.0 miles to fork in road;

Go right (South-westerly) for 1.3 miles to fork in road at top of Snake Hill;

Go right (North-westerly) for 1.7 miles to fork in road;

Go left (South-westerly) for 0.4 miles to fork in road;

Go left (South-easterly) for 0.2 miles to fork in road;

Go right (South-westerly) for 0.6 miles to fork in road;

Go right (North-westerly) for 0.3 miles to staked location which overlaps an existing wellpad.