

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 20 2003

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number USA SF-079404 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 9. Well Number 135P	
4. Location of Well Surf: Unit K(NESW), 1940' FSL & 1630' FWL BHL: Unit L(NWSW), 2250' FSL & 710' FWL Surf: Latitude: 36.601004 N Longitude: 107.510534 W BHL: Latitude: 36.601991 N Longitude: 107.513708 W	10. Field, Pool, Wildcat Basin DK / Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 6, T27N, R6W BHL: Sec. 6, T27N, R6W API # 30-039- 30656	
14. Distance in Miles from Nearest Town 25 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1630'	17. Acres Assigned to Well DK 317.12 (W/2) MV 314.17 (S/2) W/2	
16. Acres in Lease 193.640		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 51' from San Juan 28-6 Unit 236 (South Blanco PC)		
19. Proposed Depth 7303'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6154' 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)	1-15-09 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE: NOTIFY AZTEC OCD 24 HRS

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

JUN 19 2009

NMOCD

80

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

Hold C104

for Directional Survey and "As Drilled" plat

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

Bureau of Land Management
Farmington Field Office

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

¹ API Number 30-039-30656	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28-6 UNIT	⁶ Well Number 135P
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6154

¹⁰ SURFACE LOCATION

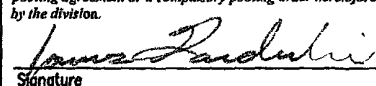

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	6	27-N	6-W		1940	SOUTH	1630	WEST	RIO ARRIBA

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	6	27-N	6-W	6	2250	SOUTH	710	WEST	RIO ARRIBA

¹² Dedicated Acres 314.17 (MV-S/2) 317.12 (DK-W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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

¹⁶ FEE BLM 1955		BOTTOM HOLE NAD 83 LAT: 36.601991° N LONG: 107.513708° W NAD 27 LAT: 36°36.119000° N LONG: 107°30.786209° W		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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Signature James Gardenhire Printed Name Regulatory Technician Title and E-mail Address 8/27/08 Date
W/2 DEDICATED ACREAGE USA SF-079404 710'		SECTION 6 T-27-N, R-6-W USA SF-03583 WELL FLAG NAD 83 LAT: 36.601004° N LONG: 107.510534° W NAD 27 LAT: 36°36.059744° N LONG: 107°30.595774° W		
N 70°34'32" W 967.9' USA SF-03583 710' 1630' 2250' 1940'		USA SF-03583		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. Date of Survey: 5/09/08 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393
BLM 1955 N 89°08' W 2564.8' (R) N 89°14'18" W 2566.8' (M)		BLM 1955		

RECEIVED

ConocoPhillips

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 135P

Bureau of Land Management
DEVELOPMENT

Lease:		AFE #: WAN.CDR.8007				AFE \$:	
Field Name: hBR_SAN JUAN		Rig:		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.600996		Longitude: -107.509929		X:	Y:	Section: 06	Range: 006W
Footage X: 1630 FWL		Footage Y: 1940 FSL		Elevation: 6154 (FT)		Township: 027N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.601983		Longitude: -107.513103		X:	Y:	Section: 06	Range: 006W
Footage X: 710 FWL		Footage Y: 2250 FSL		Elevation: (FT)		Township: 027N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6169 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	5969	<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	2052	4117	<input type="checkbox"/>				
KIRTLAND	2189	3980	<input type="checkbox"/>				
FRUITLAND	2449	3720	<input type="checkbox"/>			Possible Gas	
PICTURED CLIFFS	2823	3346	<input type="checkbox"/>				
LEWIS	2960	3209	<input type="checkbox"/>				
CHACRA	3772	2397	<input type="checkbox"/>			Est. Top Perf - 3775 (2395)	
Intermediate Casing	3781	2388	<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 852 cuft. Circulate cement to surface.	
UPPER CLIFF HOUSE	4391	1778	<input type="checkbox"/>			Gas	
MASSIVE CLIFF HOUSE	4489	1680	<input type="checkbox"/>	512		Gas	
MENEFEE	4623	1546	<input type="checkbox"/>				
POINT LOOKOUT	5051	1118	<input type="checkbox"/>				
MANCOS	5459	710	<input type="checkbox"/>				
UPPER GALLUP	6231	-62	<input type="checkbox"/>				
GREENHORN	6979	-810	<input type="checkbox"/>				
GRANEROS	7045	-876	<input type="checkbox"/>				
TWO WELLS	7083	-914	<input type="checkbox"/>	2109		Gas	
PAGUATE	7135	-966	<input type="checkbox"/>				
UPPER CUBERO	7195	-1026	<input type="checkbox"/>				
LOWER CUBERO	7231	-1062	<input type="checkbox"/>			Est. Btm Perf - 7284 (-1114) based on offset wells	
ENCINAL	7303	-1134	<input type="checkbox"/>			TD - T/ENCN	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 135P

DEVELOPMENT

Total Depth	7303	-1134	<input type="checkbox"/>	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 506 cuft. Circulate cement a minimum of 100' inside the previous casing string.
-------------	------	-------	--------------------------	--

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 28-6 135	27N-6W6 NW SE SW
Production	SJ 28-7 183M	27N-7W1 SW SE
Production	SJ 28-6 236	27N-6W6 SW NE SW
Production	SJ 28-6 186M	27N-6W6 SW NW

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
Cased Hole GR / CBL	
Mudlog from 100' above top of GRHN to TD - mudlogger will call TD.	

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

Comments: Location/Tops/Logging - MV/DKNM027N006W06SW2 Avoid N & K, prefer L,M, rough topo and small section will make this a tough stake, entire 1/4 in ACEC (plus to W,SW,S, & partly to E & N take away DD options from outside ACEC - might DD w/in ACEC from current wells.

Zones - MV/DKNM027N006W06SW2

General/Work Description - 12/29/08-MPM: Closed-Loop drilling req'd

4/4/08-is economic as Directional per RFrost wfp

LEWIS INCLUDED

The dedicated acres spacing units were incorrect on C-102, DSW emailed for a correction - 9/23/08 - DSW; corrected, P.R. complete -

10/16/08 - DSW

10/1/08 BLM advised raptor survey was required (dlb)

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #135P
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6169'0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 6169.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #135P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,138.7	2,052.0	Ojo		0.00		
2,288.3	2,189.0	Kirtland		0.00		
2,572.1	2,449.0	Fruitland		0.00		
2,980.4	2,823.0	Pictured Cliffs		0.00		
3,128.0	2,960.0	Lewis		0.00		
3,952.6	3,772.0	Chacra		0.00		
4,571.6	4,391.0	Upper Cliffhouse		0.00		
4,669.6	4,489.0	Mass Cliffhouse		0.00		
4,803.6	4,623.0	Menefee		0.00		
5,231.6	5,051.0	Point Lookout		0.00		
5,639.6	5,459.0	Mancos		0.00		
6,411.6	6,231.0	Upper Gallup		0.00		
7,159.6	6,979.0	Greenhorn		0.00		
7,225.6	7,045.0	Graneros		0.00		
7,263.6	7,083.0	Two Wells		0.00		
7,315.6	7,135.0	Paguate		0.00		
7,375.6	7,195.0	Upper Cubero		0.00	0.00	
7,411.6	7,231.0	Lower Cubero		0.00	0.00	
7,483.6	7,303.0	Encinal		0.00		

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 28-6 UNIT #135P

1940' FSL, 1630' FEL

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

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.601004° N LONG.: 107.510534°W

ELEV.: 6154 NAVD88

NO NEW ACCESS

THIS WELL IS STAKED IN CARRIZO CANYON. 3 MILES DOWN STREAM FROM "MARTINEZ CROSSING" & ¼ MILE UP STREAM FROM WHERE CARRIZO & ENCIERRO CANYONS MEET.

DRIVING DIRECTIONS FROM BLOOMFIELD, N.M. AT INTERSECTION OF HWY 550 AND HWY 64: TRAVEL EAST ON HWY 64 FOR 36.4 MILES (TO MILE POST 101.1) TURN RIGHT (BY GOBERNADOR SCHOOL).

GO: 5.5 MILES SOUTH ON CR 366 (GENERAL AMERICAN ROAD). JUST AFTER CROSSING MUNOZ WASH, TURN RIGHT (SOUTH WEST).

GO: 4.3 MILES SOUTH WEST THROUGH MUNOZ CANYON TO FOUR WAY ROAD INTERSECTION. CONTINUE SOUTH WEST TO CROSS CARRIZO WASH (MARTINEZ CROSSING) IN THE NW OF SECTION 10 T27N R6W.

GO: 0.3 MILES, CROSSING CARRIZO WASH, THEN TURN RIGHT (NORTHWEST) HEADING ALONG THE SOUTHERLY SIDE OF CARRIZO CANYON.

GO: 3.5 MILES WEST ALONG THE SOUTH SIDE OF CARRIZO WASH. TURN RIGHT (NORTH) AT EXISTING LOCATION FOR BROG SJ 28-6 #37 & 236 WELLS. NEW WELL STAKED AS TWIN ON THE NW SIDE OF THE #236 WELL PAD.