

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 12 2009

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NMSF-079363 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
4. Location of Well Surf Location: Unit A (NENE), 846' FNL & 57' FEL, Basin DK / Blanco MV BH Location: Unit B (NWNE), 550' FNL & 1500' FEL Surf: Latitude 36.59353'N Longitude 107.44549'W BH: Latitude 36.59436'N Longitude 107.45040'W	9. Well Number #206P
10. Field, Pool, Wildcat Basin DK / Blanco MV	11. Sec., Twn, Rge, Mer. (NMPM) A Sec. 10, T27N, R06W API # 30-039- 30633
14. Distance in Miles from Nearest Town 50 miles from Blanco, NM	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 550'	
16. Acres in Lease 2560.42 Acres	17. Acres Assigned to Well MV/DK 320 (E/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1185' from the SJ 28-6 #24	
19. Proposed Depth 7721' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6535' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Patsy Clugston</u> Patsy Clugston (Sr. Regulatory Specialist)	<u>1/2/09</u> 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

Hold C104

for Directional Survey
and "As Drilled" plat

NMOCD

MAR 19 2009

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-318033	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 206 P
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6535'

¹⁰ Surface Location

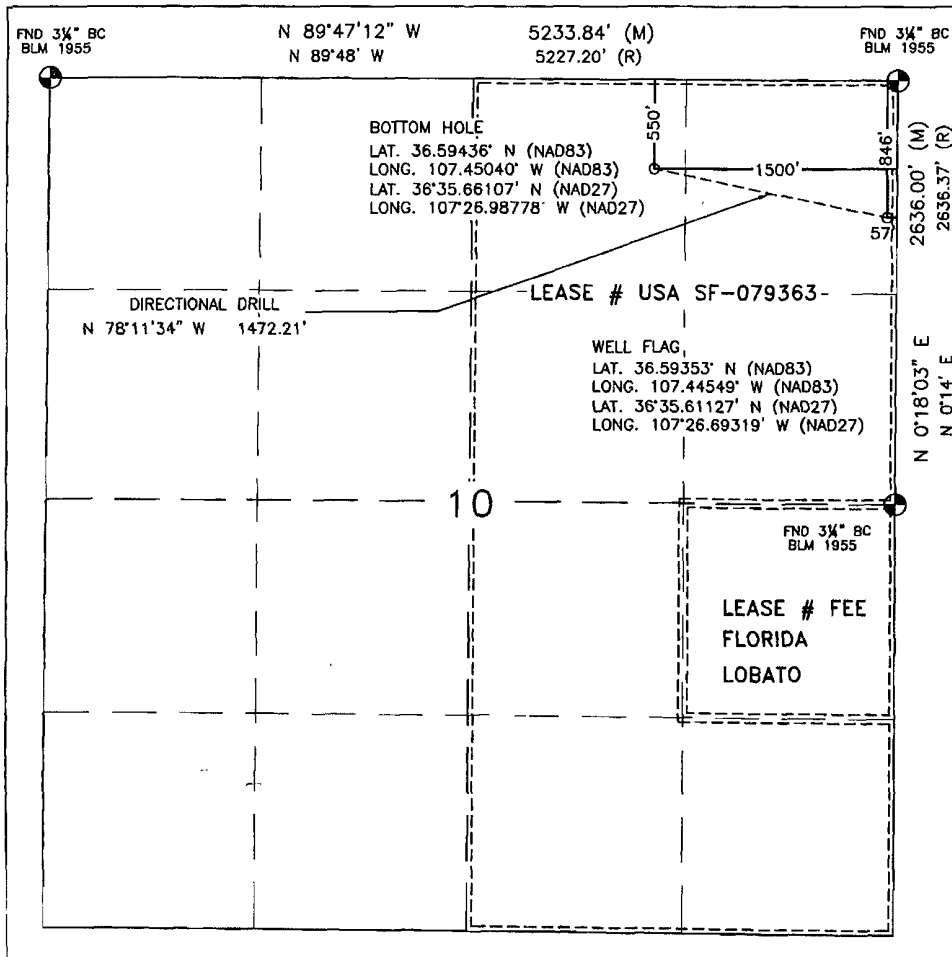
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	27N	6W		846'	NORTH	57'	EAST	RIO ARriba

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
B	10	27N	6W		550'	NORTH	1500'	EAST	RIO ARriba
¹² Dedicated Acres 320.0 Acres - (E/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



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 or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 5/14/08
Signature Date

Crystal Tafoya 5-14-08
Printed Name

¹⁸ SURVEYOR CERTIFICATION

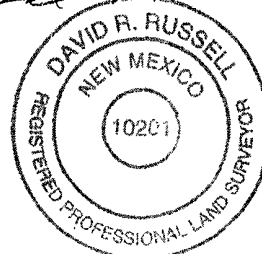
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

APRIL 15, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 206P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8021				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 777		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.593521		Longitude: -107.444887		X:	Y:	Section: 10	Range: 006W
Footage X: 57 FEL		Footage Y: 846 FNL		Elevation: 6535 (FT)		Township: 027N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.594351		Longitude: -107.449796		X:	Y:	Section: 10	Range: 0006W
Footage X: 1500 FEL		Footage Y: 550 FNL		Elevation: (FT)		Township: 027N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6548 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6348	☐			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	2229	4319	☐				
KIRTLAND	2349	4199	☐				
FRUITLAND	2949	3599	☐			Possible Gas	
PICTURED CLIFFS	3291	3257	☐				
LEWIS	3363	3185	☐				
Intermediate Casing 4650'	3513	3035	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1111 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4055	2493	☐				
CHACRA	4243	2305	☐				
UPPER CLIFF HOUSE	4907	1641	☐			Gas; Est. Top Perf - 4910	
MASSIVE CLIFF HOUSE	4943	1605	☐	646		Gas	
MENEFEE	5053	1495	☐				
POINT LOOKOUT	5428	1120	☐				
MANCOS	5939	609	☐				
UPPER GALLUP	6655	-107	☐				
GREENHORN	7390	-842	☐				
GRANEROS	7454	-906	☐				
TWO WELLS	7479	-931	☐	1950		Gas	
PAGUATE	7562	-1014	☐				
UPPER CUBERO	7600	-1052	☐				
LOWER CUBERO	7637	-1089	☐			Est. Btm Perf - 7703 based on offset logs	
ENCINAL	7721	-1173	☐			TD - Top of Encinal	

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 206P

DEVELOPMENT

Total Depth	7721	-1173	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 421 cuft. Circulate cement a minimum of 100' inside the previous casing string.
-------------	------	-------	--------------------------	--

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 28-6 115	27N-6W3 SE SW
Production	SJ 28-6 207M	27N-6W10 SE NW
Production	SJ 28-6 206	27N-6W10.NW SE NE
Production	SJ 28-6 158M	27N-6W11 NE NW

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
Cased Hole GR / CBL	

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

Comments: Location/Tops/Logging - MV/DKNM027N006W10NE2 Avoid H, topo could be a problem, prefer B,G,A.

Zones - MV/DKNM027N006W10NE2

General/Work Description - 4/14/08-Is economic as directional per RFrost wfp
NO LEWIS

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #206P
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6548.4ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 6548.4ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #206P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Direction (°)	
2,334.5	2,229.0	Ojo Alamo		0.00		
2,465.6	2,349.0	Kirtland		0.00		
3,121.2	2,949.0	Fruitland		0.00		
3,494.9	3,291.0	Pictured Cliffs		0.00		
3,573.5	3,363.0	Lewis		0.00		
4,325.9	4,055.0	Huerfano Bentonite		0.00		
4,520.8	4,243.0	Chacra		0.00		
5,188.0	4,907.0	Upper Cliffhouse		0.00		
5,224.0	4,943.0	Mass. Cliffhouse		0.00		
5,334.0	5,053.0	Menefee		0.00		
5,709.0	5,428.0	Point Lookout		0.00		
6,220.0	5,939.0	Mancos		0.00		
6,936.0	6,655.0	Upper Gallup		0.00		
7,671.0	7,390.0	Greenhorn		0.00		
7,735.0	7,454.0	Graneros		0.00		
7,760.0	7,479.0	Two Wells		0.00		
7,843.0	7,562.0	Paguate		0.00		
7,881.0	7,600.0	Upper cubero		0.00		
7,918.0	7,637.0	Lower Cubero		0.00		
8,002.0	7,721.0	Encinal		0.00		

BURLINGTON RESOURCES O&G CO LP

SAN JUAN 28-6 UNIT #206 P
846' FNL & 57' FEL
LOCATED IN THE NE/4 NE/4 OF SECTION 10,
T27N, R6W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 64 & CR 366 (GENERAL AMERICAN RD) , GO SOUTH 6.6 MILES.
- 2) TURN RIGHT, GO WEST 1.9 MILES.
- 3) TURN RIGHT & GO 0.6 MILES.
- 4) TURN LEFT, GO 1.3 MILES TO EXISTING LOCATION & BEGIN ACCESS.
- 5) FOLLOW RED FLAGGING FOR 274' TO NEW WELL FLAG OF BROG~SAN JUAN 28-6 UNIT #158 N.
- 6) GO TO #3 CORNER TO BEGIN ACCESS FOR BROG~SAN JUAN 28-6 UNIT #206 P, FOLLOW RED FLAGGING FOR 367.72' TO NEW LOCATION.

WELL FLAG LOCATED AT LAT. 36.59353°N, LONG.107.44549°W (NAD 83).

