

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

1a. Type of Work DRILL	5. Lease Number SF-080711-A Unit Reporting Number NMM78420A-MV-DK Case	AUG 14 2009
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 30-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD MAY 5 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit C(NENW), 775' FNL & 1985' FWL Bottomhole: Unit F(SENW), 1970' FNL & 1830' FWL Surf: Latitude: 36.77425° N (NAD83) Longitude: 107.50653° W Bottomhole: Latitude: 36.77097° N (NAD83) Longitude: 107.50706° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 31, T30N, R6W API # 30-039- 30802	
14. Distance in Miles from Nearest Town 12 miles/Navajo City	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 775'		
16. Acres in Lease 924.530	17. Acres Assigned to Well MV/DK 320 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 230' from San Juan 30-6 Unit 58B		
19. Proposed Depth 8259'	20. Rotary or Cable Tools Rotary 22. Approx. Date Work Will Start 8/13/09	
21. Elevations (DF, FT, GR, Etc.) 6838' GL	PLM'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: 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

MAY 14 2010

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

for Directional Survey and "As Drilled" plat

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

NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT

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

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

Bureau of Land Management
Farmington Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30802	² Pool Code 72319 / 71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7469	⁵ Property Name SAN JUAN 30-6 UNIT	⁶ Well Number 58C
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6838'

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
C	31	30N	6W		775	NORTH	1985	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	31	30N	6W		1970	NORTH	1830	WEST	RIO ARRIBA

¹² Dedicated Acres 320.0 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

¹⁶ 1985' 1970' 1830' 1206.1' 1865' 670' 805' 650' 5273.40' 31 LEASE USA SF-080711-A 5280.00' 5280.00'	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 <i>Crystal Tafoya</i> 5/22/09 Signature Date Crystal Tafoya 5-22-09 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. Survey Date: FEBRUARY 20, 2009 Signature and Seal of Professional Surveyor JASON C. EDWARDS Certificate Number 15269
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 58C

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8532				AFE \$: 1,753,170.56	
Field Name: SAN JUAN 30-6 UNIT		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA		API #:
Geologist:	Phone:	Geophysicist:		Phone:			
Geoscientist:	Phone:	Prod. Engineer:		Phone:			
Res. Engineer:	Phone:	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: 36.774244	Longitude: -107.505925	X:	Y:	Section: 31		Range: 006W	
Footage X: 1985 FWL	Footage Y: 775 FNL	Elevation: 6838	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code NAD 27							
Latitude: 36.770964	Longitude: -107.506455	X:	Y:	Section: 31		Range: 006W	
Footage X: 1830 FWL	Footage Y: 1970 FNL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6853		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	201	6652	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 160 cuft. Circulate cement to surface.	
NACIMIENTO	1530	5323	☐				
OJO ALAMO	2867	3986	☐				
KIRTLAND	2973	3880	☐				
FRUITLAND	3334	3519	☐			Possible Gas	
PICTURED CLIFFS	3763	3090	☐				
LEWIS	3855	2998	☐				
Intermediate Casing	4005	2848	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 954 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4474	2379	☐				
CHACRA	4779	2074	☐			Est. Top Perf - 4780 (2072)	
UPPER CLIFF HOUSE	5346	1507	☐			Gas	
MASSIVE CLIFF HOUSE	5613	1240	☐	387		Gas	
MENEFEE	5653	1200	☐				
POINT LOOKOUT	6000	853	☐				
MANCOS	6273	580	☐				
UPPER GALLUP	7183	-330	☐				
GREENHORN	7929	-1076	☐				
GRANEROS	7984	-1131	☐				
TWO WELLS	8065	-1212	☐	3439		Gas	
PAGUATE	8123	-1270	☐				
UPPER CUBERO	8143	-1290	☐				
LOWER CUBERO	8177	-1324	☐			Est. Btm Perf - 8243 (-1391) based on offset wells	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 58C

DEVELOPMENT

ENCINAL	8229	-1376	☐	TD - 30' below T/ENCN
Total Depth	8259	-1406	☐	6-1/4" hole, 4-1/2" 11.6 ppf, LTC casing. Cement w/ 579 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 30-6 129	30N 7W 25 NW SE SE
Production	SJ 30-6 60B	30N 6W 31 E2 NW NE
Production	SJ 30-6 58B	30N 6W 31 NE 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	
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

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well: SJ 30-6 #58C
Company:	ConocoPhillips SJBu	TVD Reference:	RKB @ 6853.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6853.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #58C	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-6 #58C Wellbore		
Design:	Plan #1		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
8,489.2	8,259.0	Production Shoe	4-1/2	6-1/4	
201.0	201.0	Surface Shoe	9-5/8	12-1/4	
4,235.2	4,005.0	Intermediate Shoe	7	8-3/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
8,159.2	7,929.0	Greenhorn		0.00		
1,569.2	1,530.0	Nacimiento		0.00		
8,214.2	7,984.0	Graneros		0.00		
5,843.2	5,613.0	Mass Cliffhouse		0.00		
8,353.2	8,123.0	Paguate		0.00		
6,503.2	6,273.0	Mancos		0.00		
4,085.0	3,855.0	Lewis		0.00		
3,549.6	3,334.0	Fruitland		0.00		
5,883.2	5,653.0	Menefee		0.00		
5,576.2	5,346.0	Upper Cliffhouse		0.00		
3,154.8	2,973.0	Kirtland		0.00		
8,459.2	8,229.0	Encinal		0.00		
3,992.5	3,763.0	Pictured Cliffs		0.00		
8,295.2	8,065.0	Two Wells		0.00		
4,704.2	4,474.0	Huerfanito Bentonite		0.00		
8,407.2	8,177.0	Lower Cubero		0.00		
8,373.2	8,143.0	Upper cubero		0.00		
3,038.3	2,867.0	Ojo		0.00		
7,413.2	7,183.0	Upper Gallup		0.00		
5,009.2	4,779.0	Chacra		0.00		
6,230.2	6,000.0	Point Lookout		0.00		

Directions from the Intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM
to Burlington Resources Oil & Gas Company San Juan 30-6 Unit #58C
775' FNL & 1985' FWL, Section 31, T30N, R6W, N.M.P.M., Rio Arriba County, NM

Latitude : 36.77425°N Longitude : 107.50653°W Datum : NAD1983

From the intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM, travel Easterly on US Hwy 64 for 24.0 miles to State Hwy 539;

Go left (Northerly) on State Hwy 539 for 2.2 miles to the road to Smith Pass;

Go right (North-easterly) on the road to Smith Pass for 2.2 miles;

Go left (North-westerly) for 1.1 miles to the Smith Pass summit;

Go right (Easterly) for 4.4 miles to fork in road;

Go left (North-easterly) for 0.6 miles to fork in road;

Go right (South-easterly) for 0.8 miles to fork in road;

Go left (North-westerly) for 0.5 miles to fork in road;

Go left (South-westerly) for 0.4 miles to staked location which overlaps an abandoned wellpad.