

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 14 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-080711-A Unit Reporting Number NMNM78420A-MV DK-lease
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 MAR 8 '10 OIL CONS. DIV. DIST. 3
9. Well Number 58M	10. Field, Pool, Wildcat Basin DK/Blanco MV
11. Sec., Twn, Rge, Mer. (NMPM) Sec. 31, T30N, R6W API # 30-039- 30803	
14. Distance in Miles from Nearest Town 11 miles/Navajo City	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 740'	
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 60' from San Juan 30-6 Unit 58B	
19. Proposed Depth 8219'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6802' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	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
24. Authorized by: <u>Tracey N. Monroe</u> 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

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

Hold C104
for Directional Survey
and As Drilled Plat

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

MAR 10 2010

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 Ave.
Santa Fe, NM 87505

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 30-039- 30803		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 58M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6802'

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
N	31	30N	6W		990	SOUTH	2270	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	31	30N	6W		1755	SOUTH	740	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 5273.40' LEASE USA SF-080711-A 5280.00' 880' 1895' 740' 1755' 2270' 1708.9' 1645' 365' 990' 5280.00' 31 BOTTOM-HOLE LAT: 36°46.0017' N LONG: 107°30.6105' W DATUM: NAD1927 LAT: 36.76670° N LONG: 107.51078° W DATUM: NAD1983 SURFACE LOCATION LAT: 36°45.8757' N LONG: 107°30.2974' W DATUM: NAD1927 LAT: 36.76460° N LONG: 107.50556° W DATUM: NAD1983	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> 4/28/09 Signature Date Crystal Tafoya 4-28-09 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 5, 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 58M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8533				AFE \$: 1,935,879.83	
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 Direction:							
Latitude: 36.764594	Longitude: -107.504955	X:	Y:	Section: 31		Range: 006W	
Footage X: 2270 FWL	Footage Y: 990 FSL	Elevation: 6802	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Direction:							
Latitude: 36.766694	Longitude: -107.510175	X:	Y:	Section: 31		Range: 006W	
Footage X: 740 FWL	Footage Y: 1755 FSL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6817 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	320	6497	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 244 cuft. Circulate cement to surface.	
NACIMIENTO	1445	5372	☐				
OJO ALAMO	2835	3982	☐				
KIRTLAND	2933	3884	☐				
FRUITLAND	3275	3542	☐			Possible Gas	
PICTURED CLIFFS	3727	3090	☐				
LEWIS	3832	2985	☐				
HUERFANITO BENTONITE	4442	2375	☐				
CHACRA	4735	2082	☐			Est. Top Perf - 4736 (2080)	
Intermediate Casing	5000	1817	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1201 cuft. Circulate cement to surface.	
UPPER CLIFF HOUSE	5526	1291	☐			Gas	
MASSIVE CLIFF HOUSE	5575	1242	☐	419		Gas	
MENEFEE	5619	1198	☐				
POINT LOOKOUT	5971	846	☐				
MANCOS	6241	576	☐				
UPPER GALLUP	7137	-320	☐				
GREENHORN	7887	-1070	☐				
GRANEROS	7941	-1124	☐				
TWO WELLS	8019	-1202	☐	3442		Gas	
PAGUATE	8065	-1248	☐				
UPPER CUBERO	8079	-1262	☐				
LOWER CUBERO	8113	-1296	☐			Est. Btm Perf - 8203 (-1387) based on offset wells	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 58M

DEVELOPMENT

ENCINAL	8189	-1372	☐
Total Depth	8219	-1402	☐

TD - 30' below T/ENCN
6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 441 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	Abraham 11	30N 6W 31 NE SE SW
Production	SJ 30-6 86-A	30N 7W 36 SE NW SE
Production	SJ 29-6 18B	29N 6W 05 SW NE NW
Production	SJ 29-6 13B	29N 6W 6 SE 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
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ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #58M
Wellbore: SJ 30-6 #58M Wellbore
Design: Plan #1

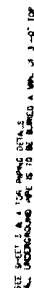
Local Co-ordinate Reference: Well SJ 30-6 #58M
TVD Reference: RKB @ 6817.0ft (Original Well Elev)
MD Reference: RKB @ 6817.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
320.0	320.0	Surface Shoe	9-5/8	12-1/4
5,357.3	5,000.0	Intermediate Shoe	7	8-3/4
8,576.3	8,219.0	Production Shoe	4-1/2	6-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,121.7	2,933.0	Kirtland		0.00	
6,328.3	5,971.0	Point Lookout		0.00	
3,502.4	3,275.0	Fruitland		0.00	
4,122.4	3,832.0	Lewis		0.00	
5,932.3	5,575.0	Mass Cliffhouse		0.00	
5,976.3	5,619.0	Menefee		0.00	
5,883.3	5,526.0	Upper Cliffhouse		0.00	
4,791.0	4,442.0	Huerfano Bentonite		0.00	
7,494.3	7,137.0	Upper Gallup		0.00	
3,012.6	2,835.0	Ojo		0.00	
6,598.3	6,241.0	Mancos		0.00	
5,091.4	4,735.0	Chacra		0.00	
8,298.3	7,941.0	Graneros		0.00	
8,546.3	8,189.0	Encinal		0.00	
8,470.3	8,113.0	Lower Cubero		0.00	
8,244.3	7,887.0	Greenhorn		0.00	
8,422.3	8,065.0	Paguate		0.00	
8,376.3	8,019.0	Two Wells		0.00	
1,469.7	1,445.0	Nacimiento		0.00	
4,005.5	3,727.0	Pictured Cliffs		0.00	
8,436.3	8,079.0	Upper cubero		0.00	



5m2221 : 25 5

5244460 30163011230

SAN JUAN BUSINESS UNIT

CONOCOPHILLIPS
HIGH PRESSURE 3 PHASE
FACILITY DIAGRAM - SITE LAYOUT

DATE APPD
SCALE NAME
DWS No.
HP3PHASE-REV1

HP3PHASE-REV1

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 #58M
990' FSL & 2270' FWL, Section 31, T30N, R6W, N.M.P.M., Rio Arriba County, NM

Latitude : 36.76460°N Longitude : 107.50556°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 left (North-westerly) for 0.1 miles to staked location which overlaps an existing wellpad.