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JUN 16 2009

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-079383 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 30-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 98B
4. Location of Well Surf: Unit G (SWNE), 1581' FNL & 1690' FEL Bottomhole: Unit B (NWNE), 710' FNL & 1930' FEL Surf: Latitude: 36.772006° N (NAD83) Longitude: 107.555024° W Bottomhole: Latitude: 36.774403° N (NAD83) Longitude: 107.555833° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) 9 Sec. 34, T30N, R7W API # 30-039-30779
14. Distance in Miles from Nearest Town 23 miles/Blanco	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'	
16. Acres in Lease 2,240.00	17. Acres Assigned to Well MV/DK 320.00 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 74' from San Juan 30-6 Unit 98 (MV)	
19. Proposed Depth 7710'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6318' GL	22. Approx. Date Work will Start 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 6/16/09
23. Proposed Casing and Cementing Program See Operations Plan attached	
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".

NOV 17 2009

PC

RECEIVED

JUN 16 2009

DISTRICT I

1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II

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

DISTRICT III

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

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Bureau of Land Management

Farmington Field Office Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30779	² Pool Code 71599 / 72319	³ Pool Name Blanco Basin DAKOTA / MESA VERDE
⁴ Property Code 7469	⁵ Property Name SAN JUAN 30-6 UNIT	⁶ Well Number 98B
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6318

¹⁰ Surface Location

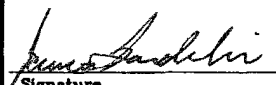
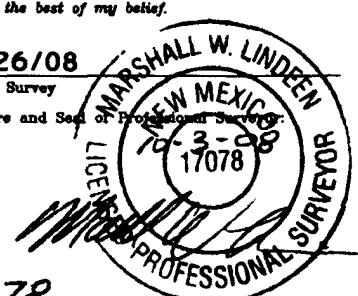
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	34	30 N	7 W		1581	NORTH	1690	EAST	RIO ARRIBA

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	34	30 N	7 W		710	NORTH	1930	EAST	RIO ARRIBA

¹² Dedicated Acres 320.00 (E/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

5281.32'	16 S 89°50'43" E	710'	1581'	5291.86'	5263.99'	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 Date 10/22/08 James Gardenhire Printed Name
	NAD 83 LAT: 36.774403° N LONG: 107.555833° W NAD 27 LAT: 36°46.4638' N LONG: 107°33.3136' W			1930'		
	SECTION 34			1690'		
	NAD 83 LAT: 36.772006° N LONG: 107.555024° W NAD 27 LAT: 36°46.3200' N LONG: 107°33.2650' W					
N 0°07'19" W	S 89°58'02" W	USA SF-079383	5277.29'	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. 8/26/08 Date of Survey Signature and Seal of Professional Surveyor  17078 Certificate Number		
					○ = SURFACE LOCATION ● = BOTTOM HOLE LOCATION	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 98B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8326		AFE \$: 1,682,087.14	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: Hester, Colton		Phone: +1 505-326-9779		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):	
Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location:		Datum Code: NAD 27			
Latitude: 36.772000	Longitude: -107.554417	X:	Y:	Section: 34	Range: 007W
Footage X: 1690 FEL	Footage Y: 1581 FNL	Elevation: 6318	(FT)	Township: 030N	
Tolerance:					

Location:		Datum Code: NAD 27			
Latitude: 36.774397	Longitude: -107.555226	X:	Y:	Section: 34	Range: 007W
Footage X: 1930 FEL	Footage Y: 710 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 = 6333 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6133	☐			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	2287	4046	☐			
KIRTLAND	2391	3942	☐			
FRUITLAND	2759	3574	☐			Possible Gas
PICTURED CLIFFS	3209	3124	☐			
LEWIS	3341	2992	☐			
Intermediate Casing	3441	2892	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 810 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3915	2418	☐			
CHACRA	4223	2110	☐			
MASSIVE CLIFF HOUSE	4981	1352	☐	370		Gas
MENEFEE	5069	1264	☐			
POINT LOOKOUT	5402	931	☐			
MANCOS	5747	586	☐			
UPPER GALLUP	6579	-246	☐			
GREENHORN	7395	-1062	☐			
GRANEROS	7447	-1114	☐			
TWO WELLS	7518	-1185	☐	3442		Gas
UPPER CUBERO	7596	-1263	☐			
LOWER CUBERO	7628	-1295	☐			
ENCINAL	7700	-1367	☐			
Total Depth	7710	-1377	☐			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80 or N-80, LTC casing. Cement w/ 581 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 98B

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
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Est bottom perf ~20' above the est TD. 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

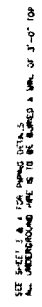
Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #98B
Wellbore: Principal Wellbore
Design: Plan #1

Local Co-ordinate Reference: Well SJ 30-6 #98B
TVD Reference: RKB @ 6333 0ft (Original Well Elev)
MD Reference: RKB @ 6333 0ft (Original Well Elev)
North Reference: Gnd
Survey Calculation Method: Minimum Curvature

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,388.7	2,287.0	Ojo		0.00	
2,501.4	2,391.0	Kirtland		0.00	
2,899.9	2,759.0	Fruitland		0.00	
3,364.7	3,209.0	Pictured Cliffs		0.00	
3,497.3	3,341.0	Lewis		0.00	
4,071.3	3,915.0	Huerfano Bentonite		0.00	
4,379.3	4,223.0	Chacra		0.00	
5,137.3	4,981.0	Mass. Cliffhouse		0.00	
5,225.3	5,069.0	Menefee		0.00	
5,558.3	5,402.0	Point Lookout		0.00	
5,903.3	5,747.0	Mancos		0.00	
6,735.3	6,579.0	Upper Gallup		0.00	
7,551.3	7,395.0	Greenhorn		0.00	
7,603.3	7,447.0	Graneros		0.00	
7,674.3	7,518.0	Two Wells		0.00	
7,752.3	7,596.0	Upper Cubero		0.00	
7,784.3	7,628.0	Lower Cubero		0.00	
7,856.3	7,700.0	Encinal		0.00	



50427 of 3

CONOCOPHILLIPS
HIGH PRESSURE 3 PHASE
FACILITY DIAGRAM - SITE LAYOUT

ConocoPhillips

SAN JUAN BUSINESS UNIT

PLAN No	PLAN NAME	APPRO DATE	10007 100 1 00 5 
REVISION BY	REVISION NAME	REVISION DATE & TIME	
SEE ALSO HP3PHASE-REV1			

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT 98B

1581' FNL & 1690' FEL (SURFACE LOCATION)

710' FNL & 1930' FEL (BOTTOM HOLE LOCATION)

LATITUDE: 36.772006° N

LONGITUDE: 107.555024° W

NAD 83

SECTION 34, T-30-N, R-7-W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

FROM THE INTERSECTION OF U.S. HIGHWAY 64 AND NEW MEXICO STATE
HIGHWAY 539 AT NAVAJO CITY, NEW MEXICO.

TRAVEL NORTHWESTERLY ON NEW MEXICO HIGHWAY 539 FOR 2.2 MILES.

TURN RIGHT AFTER CROSSING GOVERNADOR WASH AND

TRAVEL NORTHEASTERLY 2.2 MILES TOWARDS SMITH PASS

TURN RIGHT AND TRAVEL SOUTHEASTERLY 2.3 MILES

PASSING THROUGH A YELLOW GATE AND A LOCKED GREEN GATE.

TURN LEFT AND TRAVEL NORTHEASTERLY 0.6 MILE UP THE CANYON

TURN RIGHT AND TRAVEL SOUTHERLY CROSSING A WASH,

TURN LEFT AND CONTINUE TRAVELING NORTHEASTERLY 1.6 MILES

TO PROPOSED SAN JUAN 30-6 UNIT 98B WELL LOCATION.