

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APR 07 2009

1a. Type of Work DRILL	5. Lease Number SF-079383. Bureau of Land Management Farmington Field Office 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 RCVD NOV 13 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit G(SWNE), 1725' FNL & 1438' FEL Bottomhole: Unit I(NESE), 2280' FSL & 710' FEL Surf: Latitude: 36.771608° N (NAD83) Longitude: 107.554166° W Bottomhole: Latitude: 36.768131° N (NAD83) Longitude: 107.551696° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) 6 Sec. 34, T30N, R7W API # 30-039-30746	
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'	17. Acres Assigned to Well MV/DK 320.00 (E/2)	
16. Acres in Lease 2,240.00	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 75' from San Juan 30-6 Unit 421(FC)	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	
19. Proposed Depth 7912' 7720' Cels	24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	
21. Elevations (DF, FT, GR, Etc.) 6320' GL	Date <u>4/7/2009</u>	
23. Proposed Casing and Cementing Program See Operations Plan attached		

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

NOV 17 2009

NMOCD

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 and subject to compliance with attached "General Requirements".

Hold C104
for Directional Survey
and "As Drilled" plat

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1626 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

RECEIVED

Form C-102

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Bureau of Land Management
Farmington Field Office
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30746	² Pool Code 71599 / 72319	³ Pool Name DAKOTA / MESA VERDE
⁴ Property Code 7469	⁵ Property Name SAN JUAN 30-6 UNIT	⁶ Well Number 98M
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6320

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		1725	NORTH	1438	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
I	34	30 N	7 W		2280	SOUTH	710	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

16 S 89°50'43" E			5291.86'	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>James Gardenhire</i> 10/13/08 Signature Date James Gardenhire Printed Name
5281.32'		1725'		
		NAD 83 LAT: 36.771608° N LONG: 107.554166° W NAD 27 LAT: 36°46.2961' N LONG: 107°33.2135' W		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. 9/08/08 Date of Survey Signature and Seal of Professional Surveyor 17078 Certificate Number
		SECTION 34 USA SF-079383 NAD 83 LAT: 36.768131° N LONG: 107.551696° W NAD 27 LAT: 36°46.0875' N LONG: 107°33.0653' W	1438'	
N 0°07'19" W			2280'	MARSHALL W. LINDEN NEW MEXICO 10-05-08 17078 PROFESSIONAL SURVEYOR
S 89°58'02" W		5277.29'		

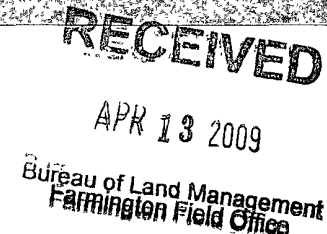
○ = SURFACE LOCATION
● = BOTTOM HOLE LOCATION

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 98M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8327		AFE \$: 1,720,773.72	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Johnson, David		Phone: +1 505-324-6169		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
					
Location: Surface		Datum Code: NAD 27		Deviated	
Latitude: 36.771602	Longitude: -107.553559	X:	Y:	Section: 34	Range: 007W
Footage X: 1438 FEL	Footage Y: 1725 FNL	Elevation: 6320	(FT)	Township: 030N	
Tolerance:					
Location: Bottom Hole		Datum Code: NAD 27		Deviated	
Latitude: 36.768125	Longitude: -107.551089	X:	Y:	Section: 34	Range: 007W
Footage X: 710 FEL	Footage Y: 2280 FSL	Elevation:	(FT)	Township: 030N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6335 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6135	☐		
OJO ALAMO	2288	4047	☐		
KIRTLAND	2389	3946	☐		
FRUITLAND	2761	3574	☐		Possible Gas
PICTURED CLIFFS	3191	3144	☐		
LEWIS	3333	3002	☐		
HUERFANITO BENTONITE	3933	2402	☐		
Intermediate Casing	4100	2235	☐		
CHACRA	4227	2108	☐		
MASSIVE CLIFF HOUSE	4979	1356	☐	414	Gas
MENEFEE	5067	1268	☐		
POINT LOOKOUT	5401	934	☐		
MANCOS	5755	580	☐		
UPPER GALLUP	6587	-252	☐		
GREENHORN	7403	-1068	☐		
GRANEROS	7456	-1121	☐		
TWO WELLS	7527	-1192	☐	3432	Gas
UPPER CUBERO	7607	-1272	☐		
LOWER CUBERO	7638	-1303	☐		
ENCINAL	7710	-1375	☐		
Total Depth	7720	-1385	☐		
12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface. 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 999 cuft. Circulate cement to surface. 6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80/N-80, LTC casing. Cement w/ 495 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 98M

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.

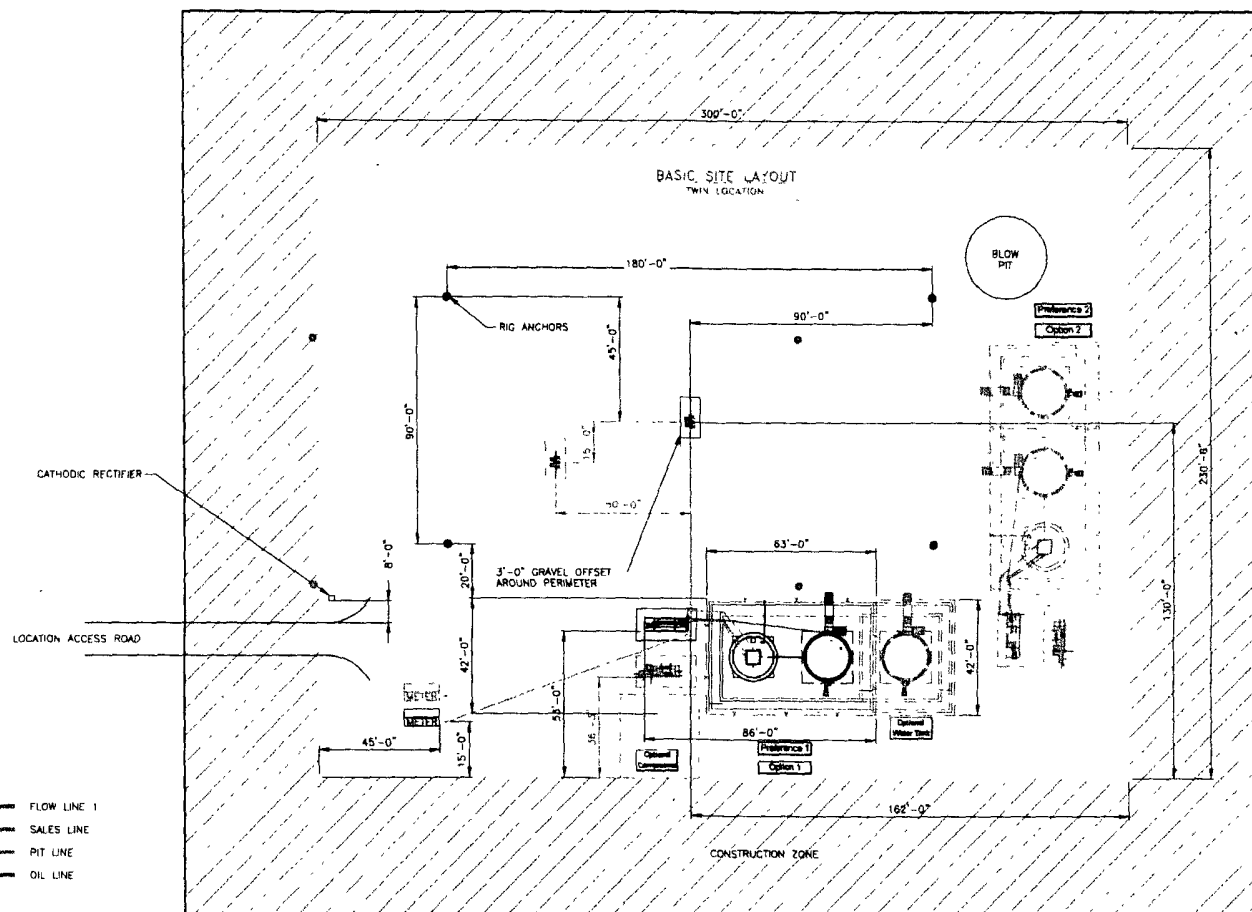
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 # 98M-REV.1
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6335.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6335.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	Grid
Well:	SJ 30-6 # 98M-REV.1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,500.0	0.00	0.00	7,164.7	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,264.7	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,364.7	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
7,738.3	0.00	0.00	7,403.0	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
Greenhorn									
7,791.3	0.00	0.00	7,456.0	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
Graneros									
7,800.0	0.00	0.00	7,464.7	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
7,862.3	0.00	0.00	7,527.0	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
Two Wells									
7,900.0	0.00	0.00	7,564.7	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
7,942.3	0.00	0.00	7,607.0	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
Upper Cubero									
7,973.3	0.00	0.00	7,638.0	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
Lower Cubero									
8,000.0	0.00	0.00	7,664.7	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
8,045.3	0.00	0.00	7,710.0	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
Encinal									
8,055.3	0.00	0.00	7,720.0	-1,263.6	727.2	1,458.0	0.00	0.00	0.00
Prod SJ 30-6 #98M PCP-REV.1									

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
SJ 30-6 #98M PCP REV	0.00	0.00	7,720.0	-1,263.6	727.2	2,098,976.79	582,669.50	36° 46' 5.250 N	107° 33' 3.918 W
- plan hits target center									
- Point									
SJ 30-6 #98M ICP REV	0.00	0.00	4,100.0	-1,263.6	727.2	2,098,976.75	582,669.52	36° 46' 5.250 N	107° 33' 3.918 W
- plan hits target center									
- Point									



SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW		REFERENCE DRAWINGS		 CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT	CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT			
										DISCIPLINE	REVIEWED	DATE	NO.		DESCRIPTION			
										PROCESS								
										MECHANICAL								
										PUMPING								
										ELECTRICAL								
										I & C								
										CIVIL/STRUCTURAL								
										PROJECT								
DESCRIPTION										DATE	BY	CHK'D	ENG	DSC	PLN	SAN JUAN BUSINESS UNIT		
																CLIENT NO.	CLIENT APPR.	APPROV. DATE
																SCALE: NONE		CREATION DATE 8/25/07
																DWG. NO.		
																HP3PHASE-REV1		
																SHEET NO.		1 OF 5

Project: SAN JUAN Business Unit Location: Site Layout Date: 06/28/2007 - 02:30pm

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT 98M

1725' FNL & 1438' FEL (SURFACE)

2280' FSL & 710' FEL (BOTTOM HOLE LOCATION)

LATITUDE: 36.771608° N

LONGITUDE: 107.554166° 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 ACROSS A WASH.

TURN LEFT AFTER WASH AND CONTINUE TRAVELING

NORTHEASTERLY 1.7 MILES

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