

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 04 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-080713 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 40N RCVD DEC 16 '09 OIL CONS. DIV. DIST. 3
4. Location of Well Surf: Unit A(NENE), 140' FNL & 158' FEL Bottomhole: Unit D(NWNW), 710' FNL & 710' FWL Surf: Latitude: 36.833985° N (NAD83) Longitude: 107.423763° W Bottomhole: Latitude: 36.8302420° N (NAD83) Longitude: 107.420797° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) A SH - Sec. 11, T30N, R6W D BH - Sec. 12, T30N, R6W API # 30-039-30873
14. Distance in Miles from Nearest Town 53 miles / Bloomfield	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 140'	
16. Acres in Lease 912.880	 H ₂ S POTENTIAL EXIST 17. Acres Assigned to Well 320 297.64 (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1296' from SJ 31-6 Unit 48 (DK)	
19. Proposed Depth 7938'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6418' 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>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>12/4/2009</u>

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 12/14/09

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. THIS DOCUMENT DOES NOT RELIEVE THE LESSEE AND

Example Master Plan Type 3 Bond Numbers NMB-000015 and NMB-000089 MAINTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATION ON FEDERAL AND INDIAN LANDS

Hold C104
for Directional Survey
and "As Drilled" plat

NMOCDB

JAN 06 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 Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30873	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 7469	⁵ Property Name SAN JUAN 30-6 UNIT	⁶ Well Number 40N
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6418

¹⁰ SURFACE LOCATION

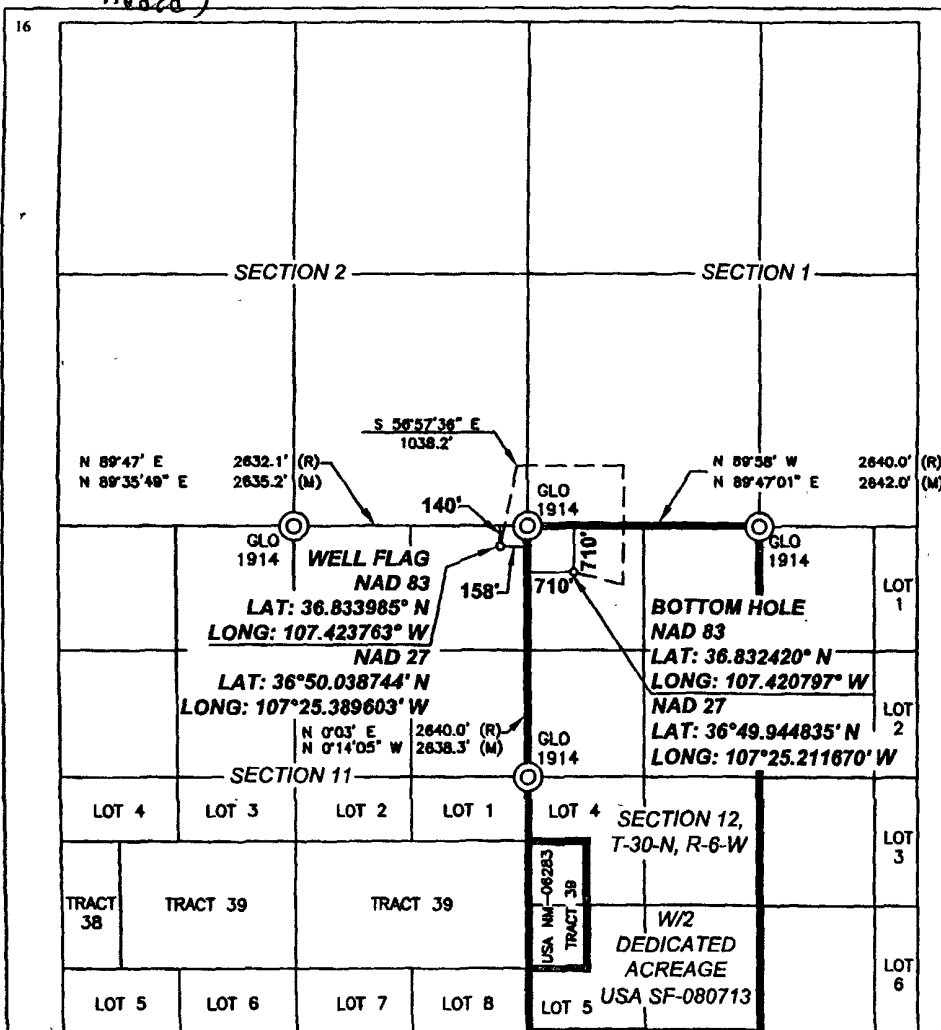
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	11	30-N	6-W		140	NORTH	158	EAST	RIO ARRIBA

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
D	12	30-N	6-W		710	NORTH	710	WEST	RIO ARRIBA

¹² Dedicated Acres 297.64 W/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



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.

Tracey N. Monroe
Signature

Tracey N. Monroe
Printed Name

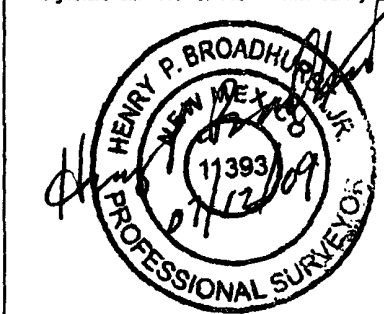
Staff Reg Tech
Title and E-mail Address

7/21/09
Date

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.

Date of Survey: 6/17/09
Signature and Seal of Professional Surveyor



Certificate Number: NM 11393

PC

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 40N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9127			AFE \$: 0.00	
Field Name: SAN JUAN 30-6 UNIT		Rig: Aztec Rig 711		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					
FRR	BASIN DAKOTA (PRORATED GAS)					
RON	BLANCO MESAVERDE (PRORATED GAS)					
Location: Surface Datum Code: NAD 27 Directional						
Latitude: 36.833979	Longitude: -107.423160	X:	Y:	Section: 11	Range: 006W	
Footage X: 158 FEL	Footage Y: 140 FNL	Elevation: 6418	(FT)	Township: 030N		
Tolerance:						
Location: Bottom Hole Datum Code: NAD 27 Directional						
Latitude: 36.832414	Longitude: -107.420194	X:	Y:	Section: 12	Range: 006W	
Footage X: 710 FWL	Footage Y: 710 FNL	Elevation:	(FT)	Township: 030N		
Tolerance:						
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:
Formation Data: Assume KB = 6433 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6233	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1248	5185	☐			
OJO ALAMO	2453	3980	☐			
KIRTLAND	2585	3848	☐			
FRUITLAND	2888	3545	☐			Possible Gas
PICTURED CLIFFS	3363	3070	☐			
LEWIS	3458	2975	☐			
Intermediate Casing	3558	2875	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 846 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4098	2335	☐			
CHACRA	4493	1940	☐			
MASSIVE CLIFF HOUSE	5321	1112	☐	438		Gas
MENEFEE	5355	1078	☐			
POINT LOOKOUT	5603	830	☐			
MANCOS	5948	485	☐			
UPPER GALLUP	6900	-467	☐			
GREENHORN	7622	-1189	☐			
GRANEROS	7671	-1238	☐			
PAGUATE	7787	-1354	☐	3022		
UPPER CUBERO	7795	-1362	☐			
LOWER CUBERO	7835	-1402	☐			
ENCINAL	7907	-1474	☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 40N

DEVELOPMENT

Total Depth	7938	-1505	☐	6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 592 .uft. Circulate cement a minimum of 100' inside the previous casing string.
-------------	------	-------	--------------------------	---

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
----------	---

Mud log from ~100' above the Greenhorn to TD. Mud loggers will pick final TD. Est bottom perf is ~20' above the est 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 #40N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6428.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6428.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #40N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,259.8	1,243.0	Nacimiento		0.00	
8,103.6	7,902.0	Encinal		0.00	
7,867.6	7,666.0	Graneros		0.00	
8,031.6	7,830.0	Lower Cubero		0.00	
4,294.6	4,093.0	Huerfano Bentonite		0.00	
7,096.6	6,895.0	Upper Gallup		0.00	
7,818.6	7,617.0	Greenhorn		0.00	
4,689.6	4,488.0	Chacra		0.00	
2,590.1	2,448.0	Ojo		0.00	
7,983.6	7,782.0	Paguate		0.00	
5,517.6	5,316.0	Mass Cliffhouse		0.00	
3,070.0	2,883.0	Fruitland		0.00	
5,551.6	5,350.0	Menefee		0.00	
2,736.9	2,580.0	Kirtland		0.00	
6,144.6	5,943.0	Mancos		0.00	
7,991.6	7,790.0	Upper Cubero		0.00	
3,654.5	3,453.0	Lewis		0.00	
3,559.2	3,358.0	Pictured Cliffs		0.00	
5,799.6	5,598.0	Point Lookout		0.00	

REFERENCE INFORMATION

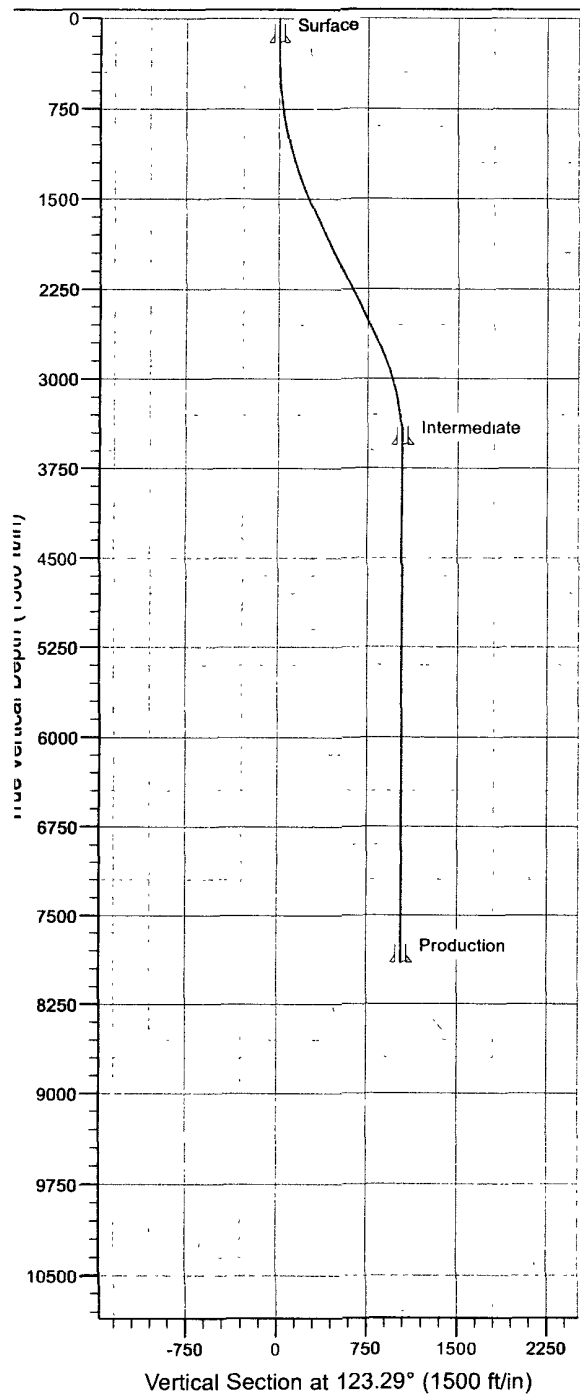
RKB @ 6428.0ft (Original Well Elev)
Ground Elevation 6412.0
Reference Lat: 36° 50' 2.325 N
Reference Long: 107° 25' 23.376 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #40N
Wellbore: Principal Wellbore
Design: Plan #1

ConocoPhillips

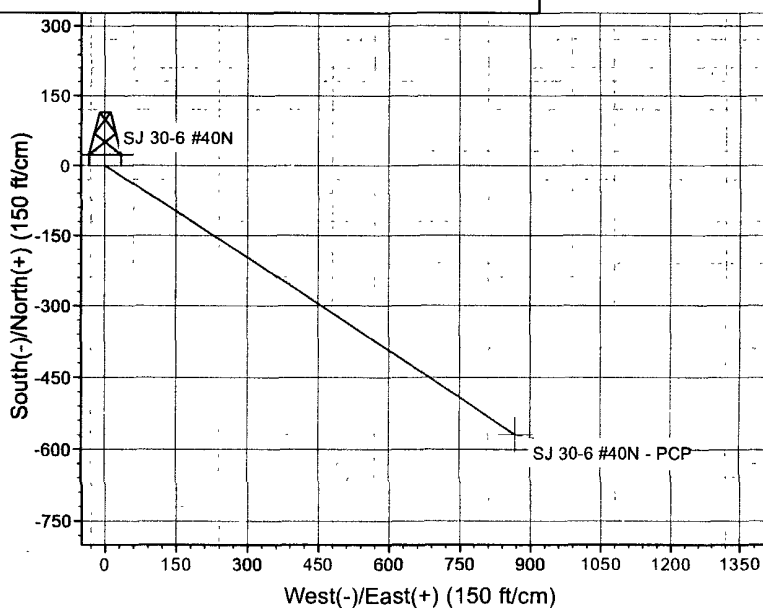
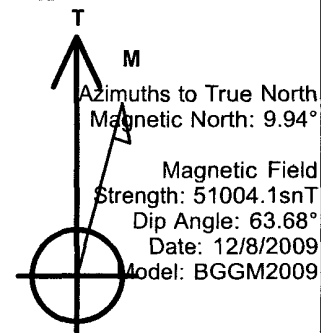
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1618.1	25.96	123.29	1574.2	-158.7	241.7	2.00	123.29	289.1	
4	2889.1	25.96	123.29	2716.9	-464.0	706.8	0.00	0.00	845.5	
5	3754.6	0.00	0.00	3553.0	-569.8	868.0	3.00	180.00	1038.3	SJ 30-6 #40N - ICP
6	8103.6	0.00	0.00	7902.0	-569.8	868.0	0.00	0.00	1038.3	SJ 30-6 #40N - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1243.0	1259.8	Nacimiento
2448.0	2590.1	Ojo
2580.0	2736.9	Kirtland
2883.0	3070.0	Fruitland
3358.0	3559.2	Pictured Cliffs
3453.0	3654.5	Lewis
4093.0	4294.6	Huerfano Bentonite
4488.0	4689.6	Chacra
5316.0	5517.6	Mass. Cliffhouse
5350.0	5551.6	Menefee
5598.0	5799.6	Point Lookout
5943.0	6144.6	Mancos
6895.0	7096.6	Upper Gallup
7617.0	7818.6	Greenhorn
7666.0	7867.6	Graneros
7782.0	7983.6	Paguate
7790.0	7991.6	Upper Cubero
7830.0	8031.6	Lower Cubero
7902.0	8103.6	Encinal



BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT #40N

140' FNL, 158' FEL

SECTION 11, T-30-N, R-6-W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.833985°N LONG.: 107.423763°W

GROUND ELEV.: 6418 FIN. ELEV.: 6412 NAVD88

NEW ACCESS 201.9'

FROM THE INTERSECTION OF HWY. 550 AND HWY. 64 IN BLOOMFIELD,
N.M.:

- GO 37.7 MI. EAST ON HWY. 64 (MILE MARKER 102.3). TURN LEFT (NORTH) ON HWY. 527. AKA SIMMS MARINA ROAD.
- GO 8.0 MI. NORTH ON HWY. 527. TURN RIGHT ONTO ROSA ROAD.
- GO 6.4 MI. ALONG ROSA ROAD, CROSSING LAJARA WASH. STAY LEFT ON MAIN ROAD, GO PAST BLM FOREST SERVICE WARNING SIGN.
- GO 0.64 MI. NORTHEASTERLY TO SJ 30-6 UNIT #40N LOCATION. NEW WELL 140' SOUTH OF ROAD. 201.9' OF NEW ACCESS.