

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

MAR 24 2010

1a. Type of Work DRILL	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	5. Lease Number SF-080713-B	Unit Reporting Number NMNM-78420A-MV NMNM-78402D-DK	
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 43N		
4. Location of Well Surface: Unit J(NWSE), 1965' FSL & 1485' FEL Bottomhole: Unit O(SWSE), 835' FSL & 2330' FEL Surface: Latitude: 36.81077° N (NAD83) Longitude: 107.42829° W Bottomhole: Latitude: 36.80766° N (NAD83) Longitude: 107.43118° W		10. Field, Pool, Wildcat Blanco MV / Basin DK		
		11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 14, T30N, R6W		
		API # 30-039-30958		
14. Distance in Miles from Nearest Town 16 miles / Gobernador		12. County Rio Arriba	13. State NM	
15. Distance from Proposed Location to Nearest Property or Lease Line 835'				
16. Acres in Lease 1,040.00	 H2S POTENTIAL EXIST	17. Acres Assigned to Well 320.00 E/2 (MV/DK)		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 70' from San Juan 30-6 Unit 442S (FC)				
19. Proposed Depth 7668'		20. Rotary or Cable Tools Rotary		
21. Elevations (DF, FT, GR, Etc.) 6209' GL		22. Approx. Date Work will Start		
23. Proposed Casing and Cementing Program See Operations Plan attached				
24. Authorized by: <u><i>Crystal Tafoya</i></u> Crystal Tafoya (Regulatory Technician)		<u><i>3/24/2010</i></u> 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

APR 08 2010

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

NMOCD

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

MAR 24 2010

Bureau of Land Management
Farmingington Field Office

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30958		*Pool Code 72319 / 71599		*Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
*Property Code 7469		*Property Name SAN JUAN 30-6 UNIT			*Well Number 43N
*OGRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			*Elevation 6209'

¹⁰ Surface Location

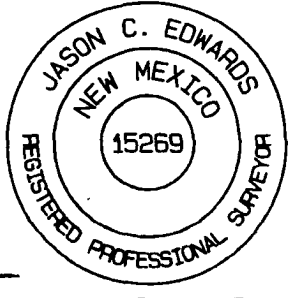
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	14	30N	6W		1965	SOUTH	1485	EAST	RIO ARriba

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
0	14	30N	6W		835	SOUTH	2330	EAST	RIO ARriba

¹² Dedicated Acres	320.0 Acres - E/2 (MV) 320.0 Acres - E/2 (DK)	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

¹⁶	5268.12'		¹⁷ OPERATOR CERTIFICATION	
	LEASE USA SF-080713-B		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> 2/16/09 Signature Date Crystal Tafoya 2-16-09 Printed Name	
5280.00'	14 SURFACE LOCATION LAT: 36°48'64.57"N LONG: 107°25'66.14"W DATUM: NAD1927 LAT: 36.81077°N LONG: 107.42829°W DATUM: NAD1983 BOTTOM HOLE LAT: 36°48'45.93"N LONG: 107°25'8.348"W DATUM: NAD1927 LAT: 36.80766°N LONG: 107.43118°W DATUM: NAD1983		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 2, 2009 Signature and Seal of Professional Surveyor  <i>JASON C. EDWARDS</i> Certificate Number 15269	
	5268.12'			

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-6 UNIT 43N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8531		AFE \$: 1,226,776.01	
Field Name: SAN JUAN 30-6 UNIT		Rig: XXX 2010 Holding		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface Datum Code: NAD 27 Directional					
Latitude: 36.810794	Longitude: -107.427657	X:	Y:	Section: 14	Range: 006W
Footage X: 1475 FEL	Footage Y: 1900 FSL	Elevation: 6209	(FT)	Township: 030N	
Tolerance: 1485' 1965'					
Location: Bottom Hole Datum Code: NAD 27 Directional					
Latitude: 36.807654	Longitude: -107.430576	X:	Y:	Section: 14	Range: 006W
Footage X: 2330 FEL	Footage Y: 835 FSL	Elevation:	(FT)	Township: 030N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6224 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6024	☐		
OJO ALAMO	2251	3973	☐		
KIRTLAND	2363	3861	☐		
FRUITLAND	2670	3554	☐		Possible Gas
PICTURED CLIFFS	3136	3088	☐		
LEWIS	3227	2997	☐		
Intermediate Casing	3855	2369	☐		
HUERFANITO BENTONITE	3855	2369	☐		
CHACRA	4209	2015	☐		Est. Top Perf - 4208 (2013)
MASSIVE CLIFF HOUSE	5044	1180	☐	468	Gas
MENEFEE	5106	1118	☐		
POINT LOOKOUT	5366	858	☐		
MANCOS	5752	472	☐		
UPPER GALLUP	6649	-425	☐		
GREENHORN	7349	-1125	☐		
GRANEROS	7400	-1176	☐		
TWO WELLS	7510	-1286	☐	3423	Gas
PAGUATE	7522	-1298	☐		
UPPER CUBERO	7533	-1309	☐		
LOWER CUBERO	7562	-1338	☐		
ENCINAL	7632	-1408	☐		Est. Btm Perf - 7645 (-1424) based on offset wells

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 43N

DEVELOPMENT

Total Depth	7668	-1444	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 520 cuft. 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
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 #43N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6224 0ft (Aztec Well Services)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6224 0ft (Aztec Well Services)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #43N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,696.7	5,366.0	Point Lookout		0.00		
2,569.1	2,363.0	Kirtland		0.00		
7,679.7	7,349.0	Greenhorn		0.00		
7,962.7	7,632.0	Encinal		0.00		
6,082.7	5,752.0	Mancos		0.00		
7,863.7	7,533.0	Upper Cubero		0.00		
6,979.7	6,649.0	Upper Gallup		0.00		
5,436.7	5,106.0	Menefee		0.00		
7,892.7	7,562.0	Lower Cubero		0.00		
7,852.7	7,522.0	Paguate		0.00		
2,921.6	2,670.0	Fruitland		0.00		
5,374.7	5,044.0	Mass. Cliffhouse		0.00		
7,730.7	7,400.0	Graneros		0.00		
4,539.7	4,209.0	Chacra		0.00		
3,448.5	3,136.0	Pictured Cliffs		0.00		
7,998.7	7,668.0	Total Depth		0.00		
7,840.7	7,510.0	Two Wells		0.00		
3,545.8	3,227.0	Lewis		0.00		
4,185.7	3,855.0	Huerfanito Bentonite		0.00		
2,440.5	2,251.0	Ojo		0.00		

REFERENCE INFORMATION

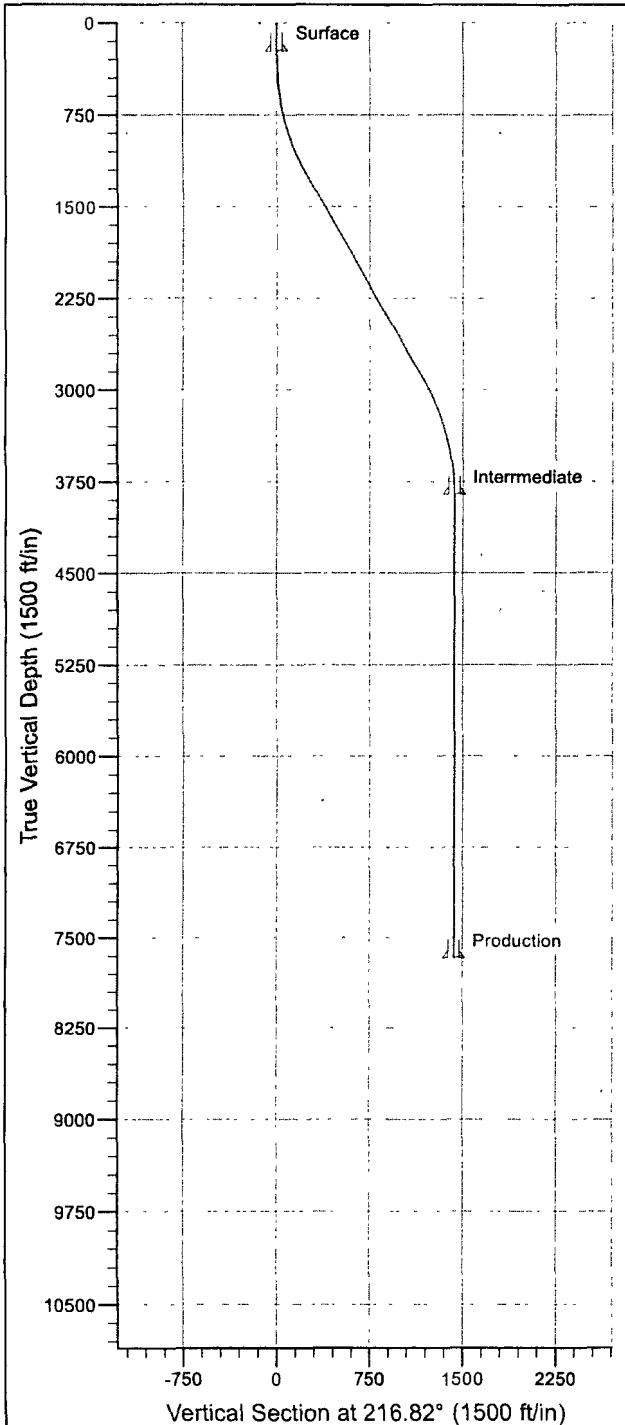
RKB @ 6224.0ft (Aztec Well Services)
Ground Elevation 6209.0
Reference Lat: 36° 48' 38.862 N
Reference Long: 107° 25' 39.564 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #43N
Wellbore: Principal Wellbore
Design: Plan #1



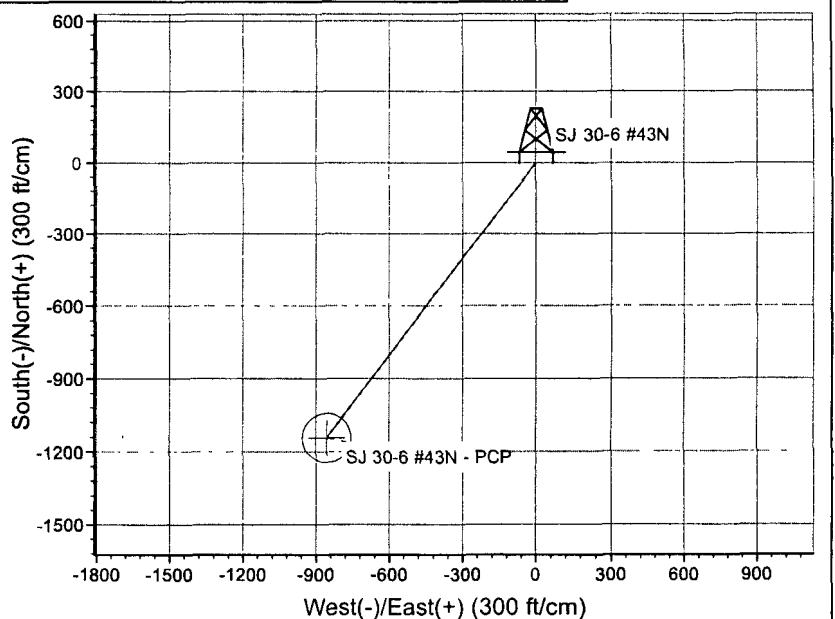
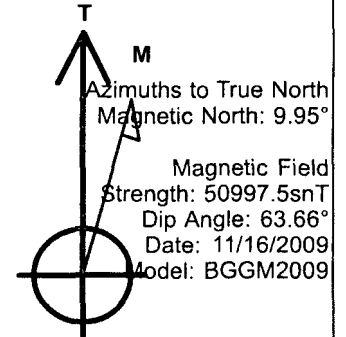
SECTION DETAILS

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	1300.7	29.42	216.82	1258.2	-197.2	-147.6	3.00	216.82	246.3	
4	3204.9	29.42	216.82	2916.8	-946.0	-708.2	0.00	0.00	1181.7	
5	4185.7	0.00	0.00	3855.0	-1143.2	-855.9	3.00	180.00	1428.1	SJ 30-6 #43N - ICP
6	7998.7	0.00	0.00	7668.0	-1143.2	-855.9	0.00	0.00	1428.1	SJ 30-6 #43N - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2251.0	2440.5	Ojo
2363.0	2569.1	Kirtland
2670.0	2921.6	Fruitland
3136.0	3448.5	Pictured Cliffs
3227.0	3545.8	Lewis
3855.0	4185.7	Huerfano Bentonite
4209.0	4539.7	Chacra
5044.0	5374.7	Mass. Cliffhouse
5106.0	5436.7	Menefee
5366.0	5696.7	Point Lookout
5752.0	6082.7	Mancos
6649.0	6979.7	Upper Gallup
7349.0	7679.7	Greenhorn
7400.0	7730.7	Graneros
7510.0	7840.7	Two Wells
7522.0	7852.7	Paguate
7533.0	7863.7	Upper Cubero
7562.0	7892.7	Lower Cubero
7632.0	7962.7	Encinal
7668.0	7998.7	Total Depth



Directions from the Intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM
to Burlington Resources Oil and Gas Company San Juan 30-6 Unit #43N
1965' FSL & 1485' FEL, Section 14, T30N, R6W, NMPM, Rio Arriba County, NM

Latitude : 36.81077°N Longitude : 107.42829°W Datum : NAD1983

From the intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM, travel Easterly on US Hwy 64 for 38.0 miles to State Hwy 527 (Simms Hwy);

Go left (North-westerly) on State Hwy 527 (Simms Hwy) for 7.9 miles to Rosa Road @ La Jara Station;

Go right (Northerly) on Rosa Road for 5.3 miles to fork in road;

Go right (North-easterly) exiting Rosa Road for 1.2 miles to fork in road;

Go left which is straight (South-easterly) for 0.5 miles to fork in road;

Go right (South-westerly) for 0.2 miles to staked location which overlaps an existing wellpad.