

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAR 24 2010

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-080713-A	
1b. Type of Well GAS	6. Unit Reporting Number NMNM-78420 A-MV NMNM-7840D If Indian, All. or Tribe DC	
2. Operator <b>BURLINGTON</b> 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 OIL CONS. DIV. 9. Well Number 102M DIST. 3 RCVD MAR 31 '10	
4. Location of Well Surface: Unit A(NENE), 630' FNL & 1170' FEL Bottomhole: Unit B(NWNE), 710' FNL & 2400' FEL  Surface: Latitude: 36.80362° N (NAD83) Longitude: 107.44524° W Bottomhole: Latitude: 36.80340° N (NAD83) Longitude: 107.44943° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) A Sec. 22, T30N, R6W API # 30-039-309 56	
14. Distance in Miles from Nearest Town 13 miles / Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 630'	17. Acres Assigned to Well 320.00 E/2 - MV/DK	
16. Acres in Lease 543.790		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 670' from San Juan 30-6 Unit 472		
19. Proposed Depth 7915'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6457' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	<u>3/24/2010</u> Date	

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE AFM DATE 3/30/2010

Archaeological Report attached  
 Threatened and Endangered Species Report attached

**NOTIFY AZTEC OCD 24 HRS.  
 PRIOR TO CASING & CEMENT**

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 05 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** P.A.  
 BO

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

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  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

MAR 24 2010

AMENDED REPORT

Bureau of Land Management  
WELL LOCATION AND ACREAGE DEDICATION REPORT

*API Number <b>30-039-30956</b>		*Pool Code 72319 / 71599		*Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
*Property Code <b>7469</b>		*Property Name SAN JUAN 30-6 UNIT			*Well Number 102M
*GRID No 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			*Elevation 6457'

<sup>10</sup> 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	22	30N	6W		630	NORTH	1170	EAST	RIO ARRIBA

<sup>11</sup> 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	22	30N	6W		710	NORTH	2400	EAST	RIO ARRIBA

<sup>12</sup> Dedicated Acres	320.0 Acres - E/2 (MV)	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
	320.0 Acres - E/2 (DK)			

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

<sup>16</sup> 5265.60' (MEASURED)  
5269.44' (RECORD)

5283.09' (MEASURED)  
5280.00' (RECORD)

5280.00' (RECORD)  
5277.67' (MEASURED)

LEASE USA  
SF-080713-A

TRACT 43

5280.00' (RECORD)  
5265.66' (MEASURED)

<sup>17</sup> 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

*Crystal Tafoya* 1/12/2010  
Signature Date

**Crystal Tafoya** 1/12/2010  
Printed Name

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: NOVEMBER 8, 2009

Signature and Seal of Professional Surveyor

**JASON C. EDWARDS**  
Certificate Number 15269

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 102M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8521		AFE \$: 1,838,390.30	
Field Name: SAN JUAN 30-6 UNIT		Rig: Aztec Rig 711		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: 36.803614	Longitude: -107.444636	X:	Y:	Section: 22	Range: 006W
Footage X: 1170 FEL	Footage Y: 630 FNL	Elevation: 6457	(FT)	Township: 030N	

Tolerance:

**Location: Bottom Hole Datum Code: NAD 27 Directional**

Latitude: 36.803394	Longitude: -107.449339	X:	Y:	Section: 22	Range: 006W
Footage X: 2400 FEL	Footage Y: 710 FNL	Elevation:	(FT)	Township: 030N	

Tolerance:

Location Type: Restricted Start Date (Est.): 1/1/2011 Completion Date: Date In Operation:

Formation Data: Assume KB = 6471 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6271	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1153	5318	<input type="checkbox"/>			
OJO ALAMO	2486	3985	<input type="checkbox"/>			
KIRTLAND	2595	3876	<input type="checkbox"/>			
FRUITLAND	2928	3543	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3370	3101	<input type="checkbox"/>			
LEWIS	3465	3006	<input type="checkbox"/>			
Intermediate Casing	3568	2903	<input type="checkbox"/>		126	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 853 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4085	2386	<input type="checkbox"/>			
CHACRA	4447	2024	<input type="checkbox"/>			Est. Top Perf - 4451 (2022)
UPPER CLIFF HOUSE	5158	1313	<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	5279	1192	<input type="checkbox"/>	383		Gas
MENEFEE	5359	1112	<input type="checkbox"/>			
POINT LOOKOUT	5607	864	<input type="checkbox"/>			
MANCOS	6023	448	<input type="checkbox"/>			
UPPER GALLUP	6867	-396	<input type="checkbox"/>			
GREENHORN	7568	-1097	<input type="checkbox"/>			
GRANEROS	7624	-1153	<input type="checkbox"/>			
TWO WELLS	7729	-1258	<input type="checkbox"/>	3323		Gas
PAGUATE	7746	-1275	<input type="checkbox"/>			
UPPER CUBERO	7767	-1296	<input type="checkbox"/>			
LOWER CUBERO	7787	-1316	<input type="checkbox"/>			Est. Btm Perf - 7897 (-1424) based on offset wells

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 102M

DEVELOPMENT

ENCINAL	7855	-1384	<input type="checkbox"/>	TD - 60' below T/ENCN
Total Depth	7915	-1444	<input type="checkbox"/>	224 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 592 cuft. Circulate cement a minimum of 100' inside the previous casing string.

**Reference Wells:**

Reference Type	Well Name	Comments
Production	SJ 30-6 145	30N 6W 22 NW SE NW
Production	SJ 30-6 472	30N 6W 22 SW NE NE
Production	SJ 30-6 126	30N 6W 15 NW SE SE
Production	SJ 30-6 11A	30N 6W 23 NW NW 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

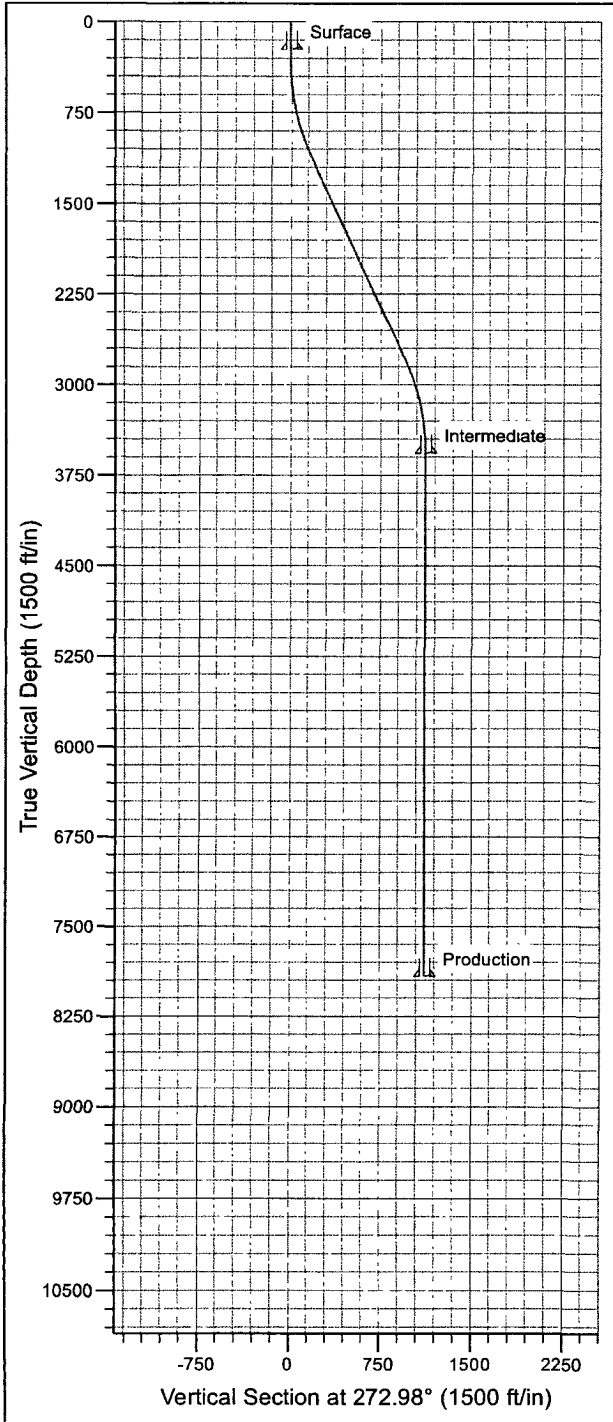
## Planning Report

<b>Database:</b>	EDM Central Planning	<b>Local Co-ordinate Reference:</b>	Well SJ 30-6 #102M
<b>Company:</b>	ConocoPhillips SJB	<b>TVD Reference:</b>	RKB @ 6474.0ft (Original Well Elev)
<b>Project:</b>	San Juan Basin - New Mexico Wells	<b>MD Reference:</b>	RKB @ 6474.0ft (Original Well Elev)
<b>Site:</b>	San Juan 30 Wells	<b>North Reference:</b>	True
<b>Well:</b>	SJ 30-6 #102M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Principal Wellbore		
<b>Design:</b>	Plan #1		

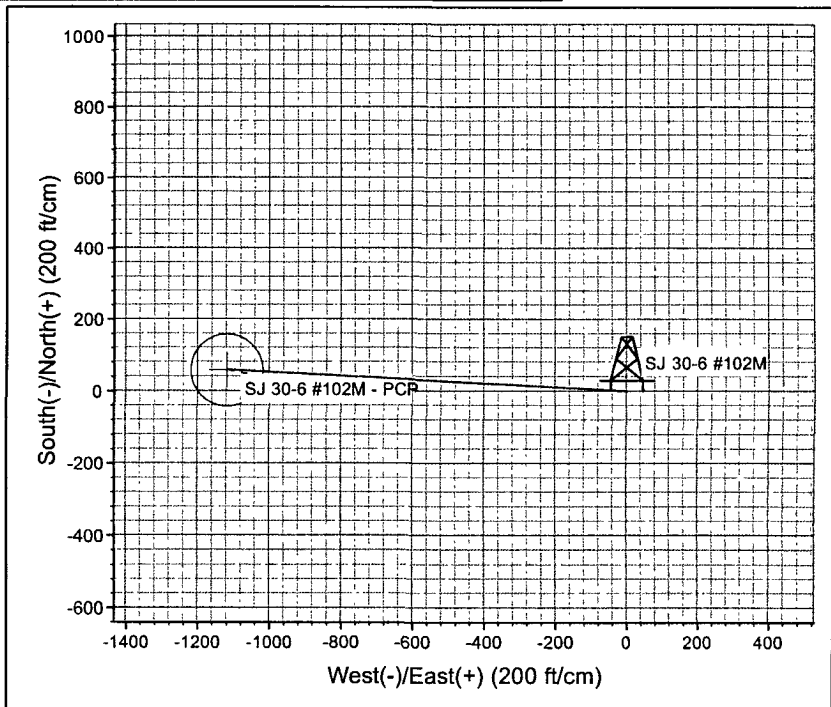
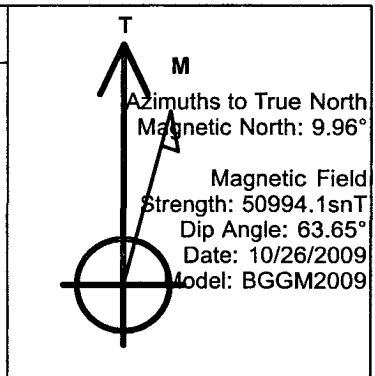
Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,793.2	7,571.0	Greenhorn		0.00		
8,080.2	7,858.0	Encinal		0.00		
3,140.8	2,931.0	Fruitland		0.00		
2,656.8	2,489.0	Ojo Alamo		0.00		
5,383.2	5,161.0	Upper Cliffhouse		0.00		
7,849.2	7,627.0	Graneros		0.00		
8,140.2	7,918.0	Total Depth		0.00		
7,092.2	6,870.0	Upper Gallup		0.00		
8,012.2	7,790.0	Lower Cubero		0.00		
3,594.9	3,373.0	Pictured Cliffs		0.00		
5,504.2	5,282.0	Mass. Cliffhouse		0.00		
1,185.2	1,156.0	Nacimiento		0.00		
5,584.2	5,362.0	Menefee		0.00		
4,310.2	4,088.0	Huerfanito Bentonite		0.00		
3,690.2	3,468.0	Lewis		0.00		
4,672.2	4,450.0	Chacra		0.00		
5,832.2	5,610.0	Point Lookout		0.00		
7,954.2	7,732.0	Two Wells		0.00		
7,992.2	7,770.0	Upper cubero		0.00		
7,971.2	7,749.0	Paguate		0.00		
6,248.2	6,026.0	Mancos		0.00		
2,777.1	2,598.0	Kirtland		0.00		

<b>REFERENCE INFORMATION</b> RKB @ 6474.0ft (Original Well Elev) Ground Elevation 6459.0 Reference Lat: 36° 48' 11.652 N Reference Long: 107° 26' 42.012 W	<b>Project:</b> San Juan Basin - New Mexico Wells <b>Site:</b> San Juan 30 Wells <b>Well:</b> SJ 30-6 #102M <b>Wellbore:</b> Principal Wellbore <b>Design:</b> Plan #1	
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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	1155.5	25.06	272.98	1129.1	9.3	-179.6	3.00	272.98	179.8		
4	2954.7	25.06	272.98	2758.9	48.9	-940.8	0.00	0.00	942.1		
5	3790.2	0.00	0.00	3568.0	58.3	-1120.4	3.00	180.00	1121.9	SJ 30-6 #102M - ICP	
6	8140.2	0.00	0.00	7918.0	58.3	-1120.4	0.00	0.00	1121.9	SJ 30-6 #102M - PCP	



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1156.0	1185.2	Nacimiento
2489.0	2656.8	Ojo Alamo
2598.0	2777.1	Kirtland
2931.0	3140.8	Fruitland
3373.0	3594.9	Pictured Cliffs
3468.0	3690.2	Lewis
4088.0	4310.2	Huerfano Bentonite
4450.0	4672.2	Chacra
5161.0	5383.2	Upper Cliffhouse
5282.0	5504.2	Mass. Cliffhouse
5362.0	5584.2	Menefee
5610.0	5832.2	Point Lookout
6026.0	6248.2	Mancos
6870.0	7092.2	Upper Gallup
7571.0	7793.2	Greenhorn
7627.0	7849.2	Graneros
7732.0	7954.2	Two Wells
7749.0	7971.2	Paguete
7770.0	7992.2	Upper cubero
7790.0	8012.2	Lower Cubero
7858.0	8080.2	Encinal
7918.0	8140.2	Total Depth





**Directions from the Intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM to**

**Burlington Resources Oil & Gas Company San Juan 30-6 Unit #102M**

**630' FNL & 1170' FEL, Section 22, T30N, R6W, NMPM, Rio Arriba County, NM**

**Latitude : 36.80362°N Longitude : 107.44524°W Datum : NAD1983**

From the intersection of US Hwy 550 & US Hwy 64 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 1.6 miles to fork in road;

Go right (North-easterly) for 1.0 miles to fork in road;

Go right (South-easterly) for 0.5 miles to fork in road;

Go left (Easterly) for 0.7 miles to fork in road;

Go left (South-westerly) for 0.1 miles to staked location which partially overlaps an existing wellpad.