

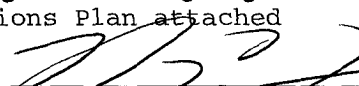
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 23 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-A Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD NOV 9 '09	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name OIL CONS. DIV. DIST. 3 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 San Juan 30-6 Unit 9. Well Number 102N	
4. Location of Well Surf: Unit O (SWSE), 980' FSL & 2230' FEL Bottom hole: Unit P (SESE), 980' FSL & 985' FEL Surf: Latitude: 36.79354° N (NAD83) Longitude: 107.44886° W Bottomhole: Latitude: 36.79354° N (NAD83) Longitude: 107.44461° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) O Sec. 22, T30N, R6W API # 30-039-30828	
14. Distance in Miles from Nearest Town 11 miles, Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 400'		
16. Acres in Lease 543.790	17. Acres Assigned to Well 320 E/2 MV/DK	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 70' from San Juan 30-6 Unit 102A		
19. Proposed Depth 7930'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6465' 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	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by:  Kelly Jeffery (Regulatory Technician)	10-22-09 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Hold C104

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

SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

NOV 17 2009

This report is subject to technical and
regulatory review pursuant to 43 CFR 3165.8
and appeal pursuant to 43 CFR 3165.4

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

for Directional Survey
and "As Drilled" plat

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

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Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30828		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 102N
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6465'

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
0	22	30N	6W		980	SOUTH	2230	EAST	RIO ARRIBA

¹¹Bottom 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
P	22	30N	6W		980	SOUTH	985	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
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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

5269.44'

LEASE USA
SF-080713-A

BOTTOM HOLE
LAT: 36°47.6120'N
LONG: 107°26.6405'W
DATUM : NAD1927

LAT: 36.79354°N
LONG: 107.44461°W
DATUM : NAD1983

22

SURFACE LOCATION
LAT: 36°47.6122'N
LONG: 107°26.8957'W
DATUM : NAD1927

LAT: 36.79354°N
LONG: 107.44886°W
DATUM : NAD1983

LOT 2

LOT 1

TRACT 43

5280.00'

1655'

1655'

400'

980'

980'

985'

5280.00'

SURFACE LOCATION

BOTTOM-HOLE LOCATION

N89°49.3'E
1245.0'

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.

Crystal Tafoya 5/26/09
Signature Date

Crystal Tafoya 5-26-09
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: JANUARY 28, 2009

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-6 UNIT 102N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8522				AFE \$: 1,742,120.68	
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: 36.793534	Longitude: -107.448256	X:	Y:	Section: 22		Range: 006W	
Footage X: 2230 FEL	Footage Y: 980 FSL	Elevation: 6465	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.793534	Longitude: -107.444006	X:	Y:	Section: 22		Range: 006W	
Footage X: 985 FEL	Footage Y: 980 FSL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6480 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	201	6279	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 160 cuft. Circulate cement to surface.	
NACIMIENTO	1192	5288	☐				
OJO ALAMO	2506	3974	☐				
KIRTLAND	2622	3858	☐				
FRUITLAND	2952	3528	☐			Possible Gas	
PICTURED CLIFFS	3394	3086	☐				
LEWIS	3476	3004	☐				
Intermediate Casing	4100	2380	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 977 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4108	2372	☐				
CHACRA	4460	2020	☐			Est. Top Perf - 4461 (2018)	
UPPER CLIFF HOUSE	4993	1487	☐			Gas	
MASSIVE CLIFF HOUSE	5282	1198	☐	368		Gas	
MENEFEE	5336	1144	☐				
POINT LOOKOUT	5612	868	☐				
MANCOS	6015	465	☐				
UPPER GALLUP	6862	-382	☐				
GREENHORN	7584	-1104	☐				
GRANEROS	7638	-1158	☐				
TWO WELLS	7736	-1256	☐	3309		Gas	
PAGUATE	7752	-1272	☐				
UPPER CUBERO	7778	-1298	☐				
LOWER CUBERO	7798	-1318	☐			Est. Btm Perf - 7909 (-1430) based on offset wells	

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-6 UNIT 102N

DEVELOPMENT

ENCINAL	7870	-1390	☐	TD - 60' below T/ENCN
Total Depth	7930	-1450	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 523 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Abraham 5	30N 6W 22 NE SW SW
Production	SJ 30-6 48A	30N 6W 27 NE NW
Production	SJ 30-6 102A	30N 6W 22 SW SE

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

Comments: Location/Tops/Logging - MV/DKNM030N006W22SE2 Avoid O - SJ 30-6 Unit 102A (MV/DK) is located there. Could surface twin 102A with a BHL of 1630' FSL & 900' FEL. Prefer I, P, J.

Zones - MV/DKNM030N006W22SE2

General/Work Description - 1/30/09-GW Test Well needed per const wfp-10/13/09-No GW was found to 115 feet wfp
LEWIS INCLUDED

12/1/08 Economic with directional and closed loop costs (if closed loop is needed). Current PEEP case includes the additional \$400M. pshorty

6/16/09.- Drilling Cost Estimate: Base Line of \$129.02/ft for 1245.5 ft step out, expecting losses (1 add operation day & \$10K of Mud products), added \$10K for stripping land on location, casing set in Lewis and 11.6#/ft, L-80 good for production string. Estimated 16 days. Cost changed to \$132.09/ft. JCedeno

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #102N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6480.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6480.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #102N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-6 #102N Wellbore #1		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,519.8	5,282.0	Mass Cliffhouse		0.00		
1,206.1	1,192.0	Nacimiento		0.00		
5,573.8	5,336.0	Menefee		0.00		
8,107.8	7,870.0	Encinal		0.00		
3,702.1	3,476.0	Lewis		0.00		
5,849.8	5,612.0	Point Lookout		0.00		
4,345.8	4,108.0	Huerfanito Bentonite		0.00		
7,099.8	6,862.0	Upper Gallup		0.00		
7,973.8	7,736.0	Two Wells		0.00		
3,130.3	2,952.0	Fruitland		0.00		
8,035.8	7,798.0	Lower Cubero		0.00		
7,821.8	7,584.0	Greenhorn		0.00		
2,640.7	2,506.0	Ojo		0.00		
2,768.0	2,622.0	Kirtland		0.00		
7,989.8	7,752.0	Paguate		0.00		
4,697.8	4,460.0	Chacra		0.00		
5,230.8	4,993.0	Upper Cliffhouse		0.00		
3,614.7	3,394.0	Pictured Cliffs		0.00		
7,875.8	7,638.0	Graneros		0.00		
8,015.8	7,778.0	Upper cubero		0.00		
6,252.8	6,015.0	Mancos		0.00		

REFERENCE INFORMATION

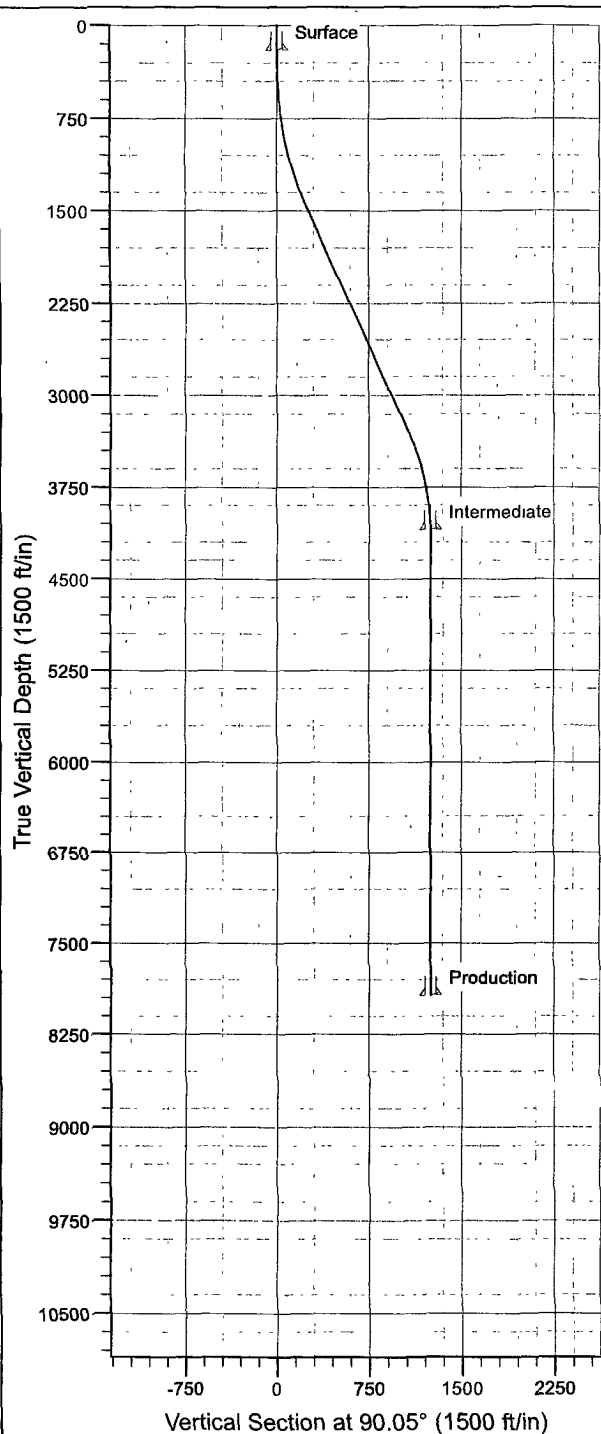
RKB @ 6480.0ft (Original Well Elev)
Ground Elevation 6465.0
Reference Lat: 36° 47' 36.732 N
Reference Long: 107° 26' 53.742 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #102N
Wellbore: SJ 30-6 #102N Wellbore #1
Design: Plan #1



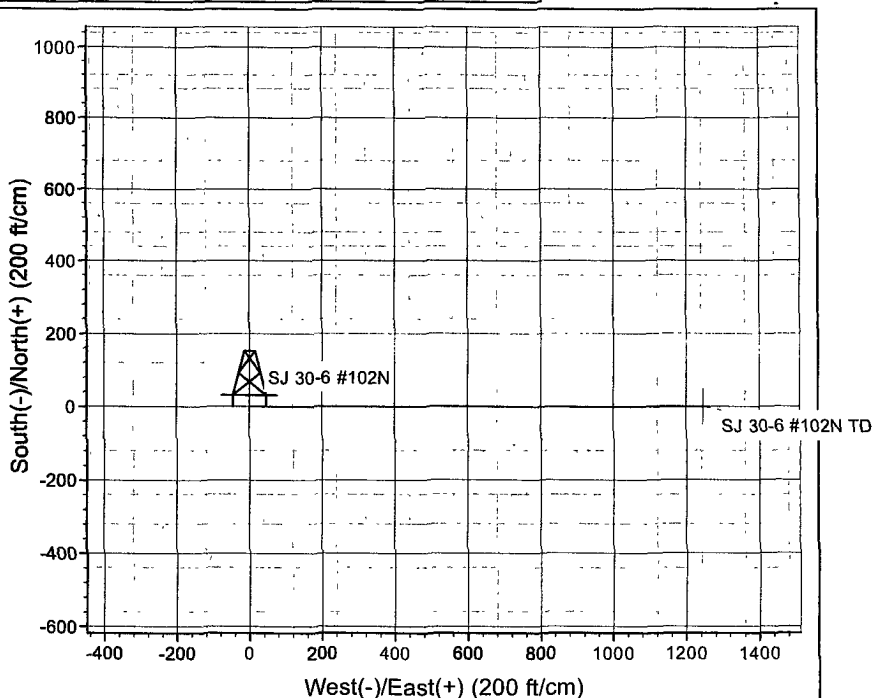
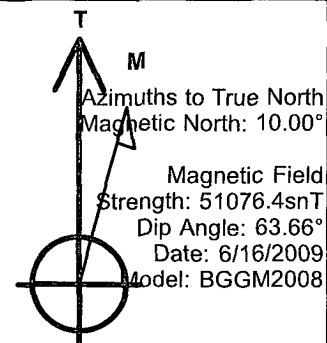
SECTION DETAILS

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	1538.8	24.38	90.05	1502.4	-0.2	255.4	2.00	90.05	255.4	
4	3525.3	24.38	90.05	3311.8	-1.0	1075.2	0.00	0.00	1075.2	
5	4337.8	0.00	0.00	4100.0	-1.2	1245.5	3.00	180.00	1245.5	SJ 30-6 #102N ICP
6	8167.8	0.00	0.00	7930.0	-1.2	1245.5	0.00	0.00	1245.5	SJ 30-6 #102N TD



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1192.0	1206.1	Nacimiento
2506.0	2640.7	Ojo
2622.0	2768.0	Kirtland
2952.0	3130.3	Fruitland
3394.0	3614.7	Pictured Cliffs
3476.0	3702.1	Lewis
4108.0	4345.8	Huerfano Bentonite
4460.0	4697.8	Chacra
4993.0	5230.8	Upper Cliffhouse
5282.0	5519.8	Mass. Cliffhouse
5336.0	5573.8	Menefee
5612.0	5849.8	Point Lookout
6015.0	6252.8	Mancos
6862.0	7099.8	Upper Gallup
7584.0	7821.8	Greenhorn
7638.0	7875.8	Graneros
7736.0	7973.8	Two Wells
7752.0	7989.8	Paguate
7778.0	8015.8	Upper cubero
7798.0	8035.8	Lower Cubero
7870.0	8107.8	Encinal



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 #102N

980' FSL & 2230' FEL, Section 22, T30N, R6W, NMPM, Rio Arriba County, NM

Latitude : 36.79354°N Longitude : 107.44886°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 1.2 miles to fork in road;

Go right (North-easterly) for 1.2 miles to 4-way intersection;

Go left (North-easterly) for 0.2 miles to staked location which overlaps an existing wellpad.