

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK **AUG 10 2010**

RCVD AUG 24 '10
OIL CONS. DIV.
DIST. 3

1a. Type of Work DRILL	5. Lease Number Farmington Field Office SF-078741 Bureau of Land Management Unit Reporting Number NMM-78420A-MV	
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 11M	
4. Location of Well Surface: Unit D(NWNW), 705' FNL & 495' FWL BHL: Unit C(NENW), 1080' FNL, 1790' FWL Surface: Latitude: 36.803410° N (NAD83) Longitude: 107.439547° W BHL: Latitude: 36.802394° N (NAD83) Longitude: 107.435122° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) D Sec. 23, T30N, R6W API # 30-039- 30990	
14. Distance in Miles from Nearest Town 40.9 miles from Blanco, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 495'	17. Acres Assigned to Well 320.00 W/2 (MV/DK)	
16. Acres in Lease 2378.080 acres	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 70' from SJ 30-6 11A (MV/DK)	
19. Proposed Depth 7871'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6440' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u><i>Dollie L. Busse</i></u> Dollie L. Busse (Staff Regulatory Tech)	Date <u><i>8-6-10</i></u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY *D. Montez*

TITLE *AFM*

DATE *8/23/2010*

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

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

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 Directed" plan

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

AUG 27 2010

NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT

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

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West 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, 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 - 4 Copies
Fee Lease - 3 Copies

AUG 10 2010

Farmington Field Office
Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30990	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 11M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6440'

¹⁰ Surface Location

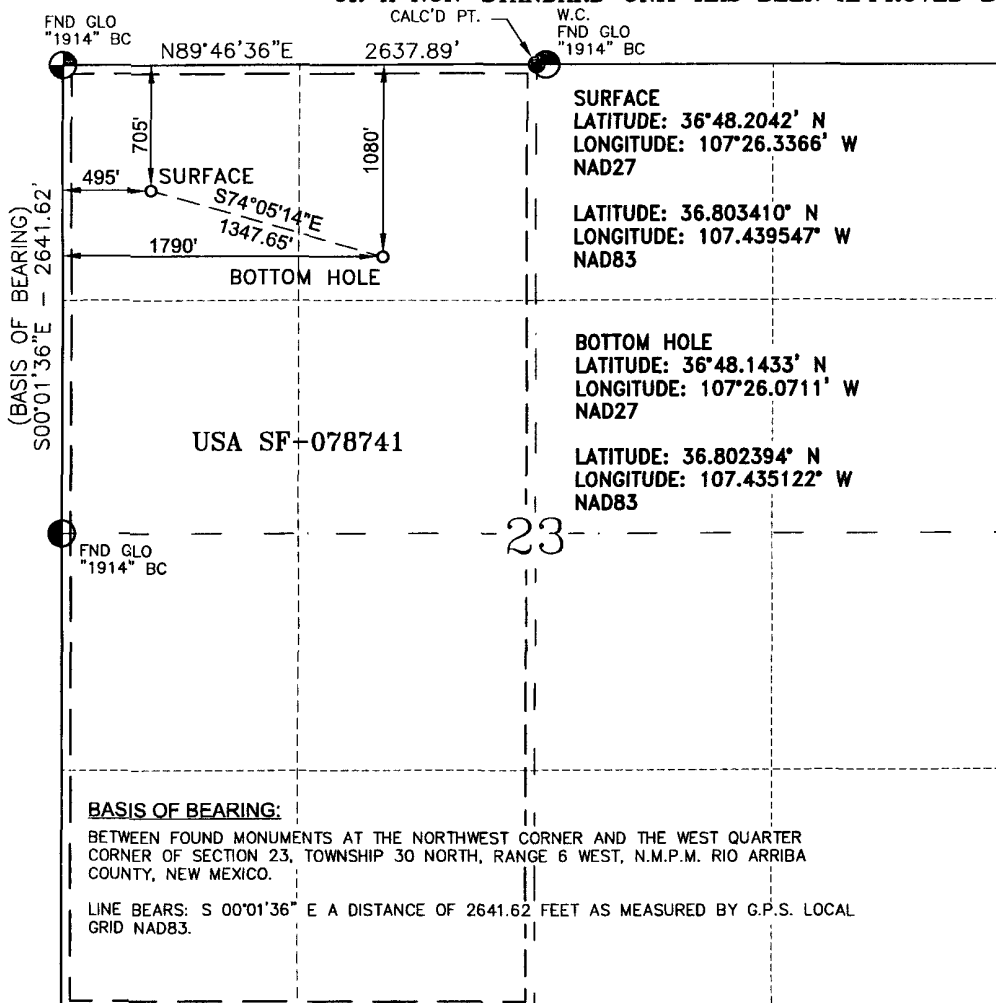
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	23	30-N	6-W		705	NORTH	495	WEST	RIO ARRIBA

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
C	23	30-N	6-W		1080	NORTH	1790	WEST	RIO ARRIBA

¹² Dedicated Acres DK 320.00 ACRES W/2 MV 320.00 ACRES W/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



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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 1/13/2010
Signature
Crystal Tafoya 1/13/2010
Printed Name

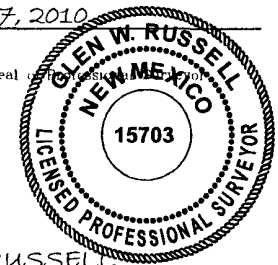
18 SURVEYOR CERTIFICATION

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.

JANUARY 7, 2010

Date of Survey

Signature and Seal of



GLEN W. RUSSELL

Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 11M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9363				AFE \$: 978,476.33	
Field Name: SAN JUAN		Rig: H&P Rig 282		State: NM	County: SAN JUAN		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: 36.803404	Longitude: -107.438943	X:	Y:	Section: 23		Range: 006W	
Footage X: 495 FWL	Footage Y: 705 FNL	Elevation: 6440	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole		Datum Code: NAD 27				Directional:	
Latitude: 36.802388	Longitude: -107.434518	X:	Y:	Section: 23		Range: 006W	
Footage X: 1790 FWL	Footage Y: 1080 FNL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6456 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6256		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1144	5312		☐			
OJO ALAMO	2474	3982		☐			
KIRTLAND	2582	3874		☐			
FRUITLAND	2910	3546		☐			Possible Gas
PICTURED CLIFFS	3356	3100		☐			
LEWIS	3452	3004		☐			
Intermediate Casing	3552	2904		☐	125		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 873 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4066	2390		☐			
CHACRA	4430	2026		☐			Est. Top Perf - 4431 (2024)
UPPER CLIFF HOUSE	4962	1494		☐			Gas; Cliffhouse is dry
MASSIVE CLIFF HOUSE	5262	1194		☐	394		Gas
MENEFEE	5326	1130		☐			
POINT LOOKOUT	5595	861		☐			
MANCOS	5976	480		☐			
UPPER GALLUP	6854	-398		☐			
GREENHORN	7560	-1104		☐			
GRANEROS	7612	-1156		☐			
TWO WELLS	7714	-1258		☐	3299		Gas
PAGUATE	7726	-1270		☐			
UPPER CUBERO	7747	-1291		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 11M

DEVELOPMENT

LOWER CUBERO	7772	-1316	☐	
ENCINAL	7836	-1380	☐	TD - 35' below T/ENCN
Total Depth	7871	-1415	☐	224 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 588 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 30-6 11A	30N 6W 23 NW NW NW
Production	SJ 30-6 42B	30N 6W 14 NW NW SW
Production	SJ 30-6 126	30N 6W 15 NW SE 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 GLLP to TD - mudlogger will call 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 #11M
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6456.0ft (H&P RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6456.0ft (H&P RIGS)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #11M	Survey Calculation Method:	Minimum Curvature
Wellbore Design:	Principal Wellbore Plan #1		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
230.0	230.0	Surf	9-5/8	12-1/4	
3,884.1	3,552.0	Int	7	8-3/4	
8,203.1	7,871.0	Prod	4-1/2	6-1/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
8,104.1	7,772.0	Lower Cubero		0.00		
3,784.0	3,452.0	Lewis		0.00		
5,594.1	5,262.0	Mass. Cliffhouse		0.00		
5,927.1	5,595.0	Point Lookout		0.00		
7,892.1	7,560.0	Greenhorn		0.00		
5,658.1	5,326.0	Menefee		0.00		
5,294.1	4,962.0	Upper Cliffhouse		0.00		
2,866.6	2,582.0	Kirtland		0.00		
8,168.1	7,836.0	Encinal		0.00		
3,052.0	2,746.0	Stage Tool		0.00		
4,762.1	4,430.0	Chacra		0.00		
3,687.7	3,356.0	Pictured Cliffs		0.00		
8,046.1	7,714.0	Two Wells		0.00		
7,944.1	7,612.0	Graneros		0.00		
3,229.3	2,910.0	Fruitland		0.00		
2,739.3	2,474.0	Ojo Alamo		0.00		
6,308.1	5,976.0	Mancos		0.00		
8,203.1	7,871.0	Total Depth		0.00		
8,079.1	7,747.0	Upper Cubero		0.00		
8,058.1	7,726.0	Paguate		0.00		
7,186.1	6,854.0	Upper Gallup		0.00		
4,398.1	4,066.0	Huerfano Bentonite		0.00		
1,172.0	1,144.0	Nacimiento		0.00		

REFERENCE INFORMATION

RKB @ 6456.0ft (H&P RIGS)
Ground Elevation 6440.0
Reference Lat: 36° 48' 12.252 N
Reference Long: 107° 26' 20.196 W

Project: San Juan Basin - New Mexico Well
Site: San Juan 30 Wells
Well: SJ 30-6 #11M
Wellbore: Principal Wellbore
Design: Plan #1

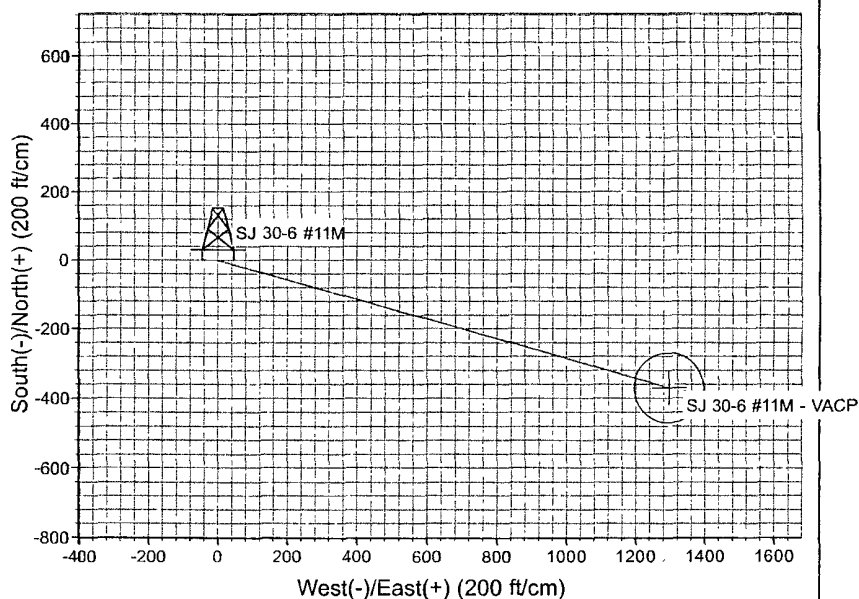
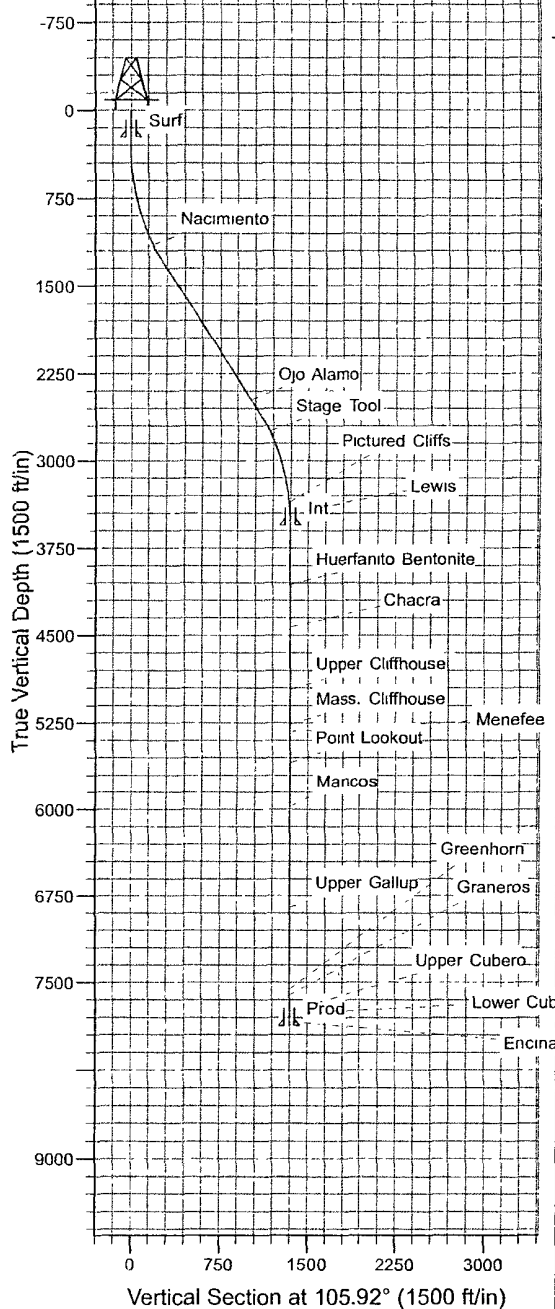
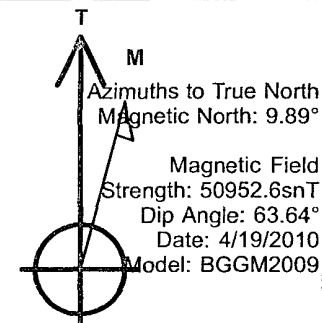


SECTION DETAILS

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	1400.5	32.42	105.92	1343.8	-81.6	286.2	3.00	105.92	297.6	
4	2803.6	32.42	105.92	2528.2	-287.9	1009.4	0.00	0.00	1049.7	
5	3884.1	0.00	0.00	3552.0	-369.5	1295.6	3.00	180.00	1347.3	SJ 30-6 #11M - ICP
6	8203.1	0.00	0.00	7871.0	-369.5	1295.6	0.00	0.00	1347.3	SJ 30-6 #11M - PCP

FORMATION TOP DETAILS

VDP	MD	Path	Formation
1144.0	1172.0		Nacimiento
2474.0	2739.3		Ojo Alamo
2582.0	2866.6		Kirtland
2746.0	3052.0		Stage Tool
2910.0	3229.3		Fruitland
3356.0	3687.7		Pictured Cliffs
3452.0	3784.0		Lewis
4066.0	4398.1		Huerfano Bentonite
4430.0	4762.1		Chacra
4962.0	5294.1		Upper Cliffhouse
5262.0	5594.1		Mass. Cliffhouse
5326.0	5658.1		Menefee
5595.0	5927.1		Point Lookout
5976.0	6308.1		Mancos
6854.0	7186.1		Upper Gallup
7560.0	7892.1		Greenhorn
7612.0	7944.1		Graneros
7714.0	8046.1		Two Wells
7726.0	8058.1		Paguate
7747.0	8079.1		Upper Cubero
7772.0	8104.1		Lower Cubero
7836.0	8168.1		Encinal
7871.0	8203.1		Total Depth



Directions from the Post Office
in Blanco, NM
to
BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 30-6 UNIT #11M
705' FNL & 495' FWL,
Section 23, T30N, R6W, N.M.P.M., Rio Arriba County,
New Mexico
Lat: 36° 48' 12.277" N
Long: 107° 26' 22.369" W
Nad 1983

From the Post Office in Blanco, NM
Take Highway 64 East for 28.8 miles
To Hwy 527 (Simms Mesa Hwy),
Turn left (northwest) on Hwy 527 for 8.0 miles to Rosa Road,
Turn right (northerly) 1.6 miles,
Turn right (northeasterly) 0.9 miles to top of hill,
Turn right (southeasterly) 0.6 miles,
Stay left @ y-intersection (east-northeast) 0.8 miles,
Turn right (southeasterly) 0.2 miles,
to the newly staked location twinned on existing well pad
SAN JUAN 30-6 UNIT #11A.