

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078741 Unit Reporting Number of Land Management Farmington Field Office	
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 RCVD DEC 8 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit D (NWNW), 1181' FNL & 786' FWL Bottomhole: Unit E (SWNW), 2375' FNL & 730' FWL Surf: Latitude: 36.80212° N (NAD83) Longitude: 107.42054° W Bottomhole: Latitude: 36.79884° N (NAD83) Longitude: 107.42073° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) D Sec. 24, T30N, R6W API # 30-039- 30851	
14. Distance in Miles from Nearest Town 44 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 730'		
16. Acres in Lease 2,378.080	17. Acres Assigned to Well MV/DK 320.00 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 101' from San Juan 30-6 Unit 3A (MV/DK)		
19. Proposed Depth 7667' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6259' 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)	11/16/2009 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

NOTIFY AZTEC OGD 24 HRS.

PRIOR TO CASING & CEMENT

BLM'S APPROVAL OR ACCEPTANCE OF THIS

OPERATION DOES NOT RELIEVE THE LESSEE AND

OPERATOR OF ANY OTHER

AUTHORIZATION REQUIRED FOR OPERATIONS

ON FEDERAL AND INDIAN LANDS

DEC 18 2009

Hold C104

for Directional Survey
and "As Drilled" plat

NMOCD

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. 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

RECEIVED

Form C-102
Revised October 12, 2005

NOV 16 2009

OIL CONSERVATION DIVISION

Bureau of Land Management
1220 South St. Francis Dr. Farmington Field Office
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30851		*Pool Code 72319/71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 3 M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6259'

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	24	30N	6W		1181'	NORTH	786'	WEST	RIO ARRIBA

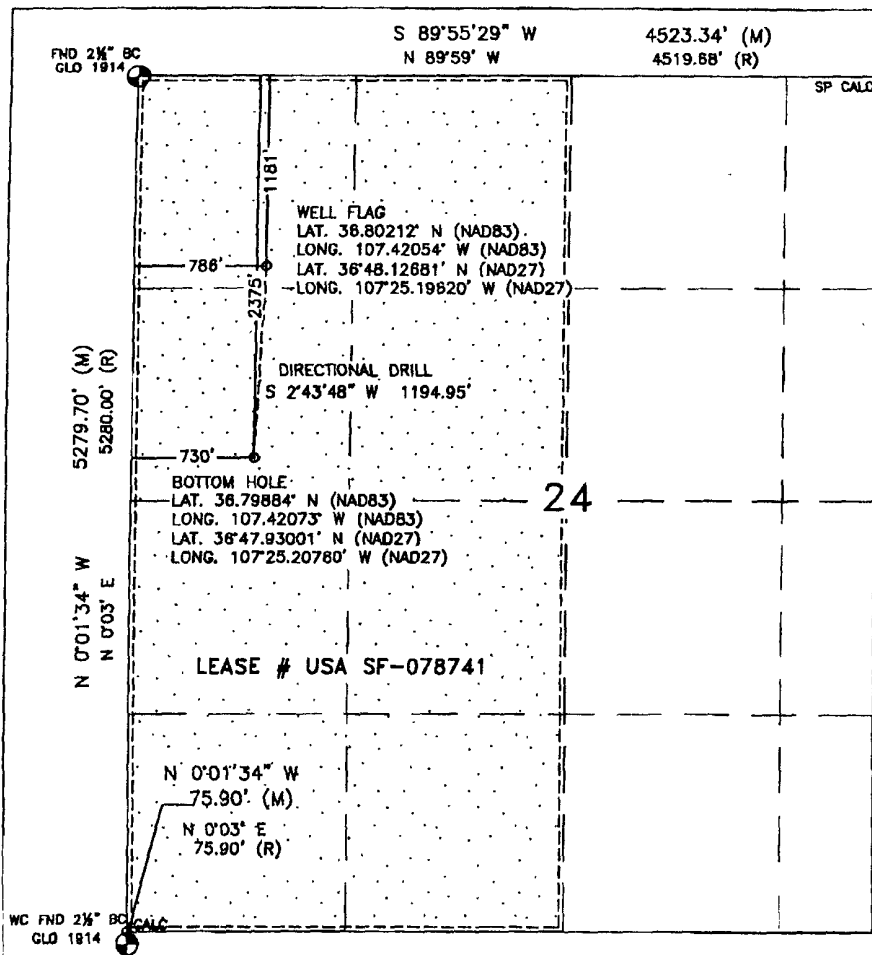
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	24	30N	6W		2375'	NORTH	730'	WEST	RIO ARRIBA

*Dedicated Acres 320.00 ACRES - W/2	*Joint or Infill	*Consolidation Code	*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

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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 or a compulsory pooling order heretofore entered by the division.

Tracey N. Monroe 7/27/09
Signature Date

Tracey N. Monroe

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.

JULY 17, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number

10201

pc

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 3M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9143				AFE \$: 1,718,800.90	
Field Name: SAN JUAN		Rig: H&P Rig 282		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: 36.802114		Longitude: -107.419937		X:	Y:	Section: 24	Range: 006W
Footage X: 786 FWL		Footage Y: 1181 FNL		Elevation: 6259 (FT)		Township: 030N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.798834		Longitude: -107.420127		X:	Y:	Section: 24	Range: 006W
Footage X: 730 FWL		Footage Y: 2375 FNL		Elevation: (FT)		Township: 030N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6274 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	201	6073	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 160 cuft. Circulate cement to surface.	
NACIMIENTO	1004	5270	☐				
OJO ALAMO	2324	3950	☐				
KIRTLAND	2434	3840	☐				
FRUITLAND	2742	3532	☐			Possible Gas	
PICTURED CLIFFS	3196	3078	☐				
LEWIS	3264	3010	☐				
Intermediate Casing	3864	2410	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 921 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3900	2374	☐				
CHACRA	4255	2019	☐			Est. Top Perf - 4256 (2017)	
UPPER CLIFF HOUSE	4789	1485	☐			Gas	
MASSIVE CLIFF HOUSE	5094	1180	☐	464		Gas	
MENEFEE	5144	1130	☐				
POINT LOOKOUT	5410	864	☐				
MANCOS	5768	506	☐				
UPPER GALLUP	6678	-404	☐				
GREENHORN	7376	-1102	☐				
GRANEROS	7430	-1156	☐				
TWO WELLS	7543	-1269	☐	3456		Gas	
PAGUATE	7555	-1281	☐				
UPPER CUBERO	7572	-1298	☐				
LOWER CUBERO	7598	-1324	☐			Est. Btm Perf - 7646 (-1373) based on offset wells	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 3M

DEVELOPMENT

ENCINAL	7667	-1393	☐	TD - T/ENCN
Total Depth	7667	-1393	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80 LTC casing. Cement w/ 519 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 30-6 3A	30N 6W 24 NW NW
Production	SJ 30-6 489S	30N 6W 24 NW
Production	SJ 30-6 489	30N 6W 24 NW NE SW
Production	SJ 30-6 486	30N 6W 23 SW SE NE

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

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #3M
Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference: Well SJ 30-6 #3M
TVD Reference: RKB @ 6274.0ft (Original Well Elev)
MD Reference: RKB @ 6274.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,656.3	7,430.0	Graneros		0.00		
4,481.3	4,255.0	Chacra		0.00		
3,480.0	3,264.0	Lewis		0.00		
5,994.3	5,768.0	Mancos		0.00		
5,370.3	5,144.0	Menefee		0.00		
7,781.3	7,555.0	Paguate		0.00		
1,019.5	1,004.0	Nacimiento		0.00		
4,126.3	3,900.0	Huerfanito Bentonite		0.00		
2,913.9	2,742.0	Fruitland		0.00		
5,015.3	4,789.0	Upper Cliffhouse		0.00		
3,407.9	3,196.0	Pictured Cliffs		0.00		
7,798.3	7,572.0	Upper Cubero		0.00		
5,320.3	5,094.0	Mass. Cliffhouse		0.00		
6,904.3	6,678.0	Upper Gallup		0.00		
2,578.1	2,434.0	Kirtland		0.00		
7,824.3	7,598.0	Lower Cubero		0.00		
7,893.3	7,667.0	Encinal		0.00		
7,602.3	7,376.0	Greenhorn		0.00		
5,636.3	5,410.0	Point Lookout		0.00		
2,458.1	2,324.0	Ojo		0.00		
7,769.3	7,543.0	Two Wells		0.00		

REFERENCE INFORMATION

RKB @ 6274.0ft (Original Well Elev)
Ground Elevation 6259.0
Reference Lat: 36° 48' 7.609 N
Reference Long: 107° 25' 11.772 W

Project: San Juan Basin - New Mexico Wells

Site: San Juan 30 Wells

Well: SJ 30-6 #3M

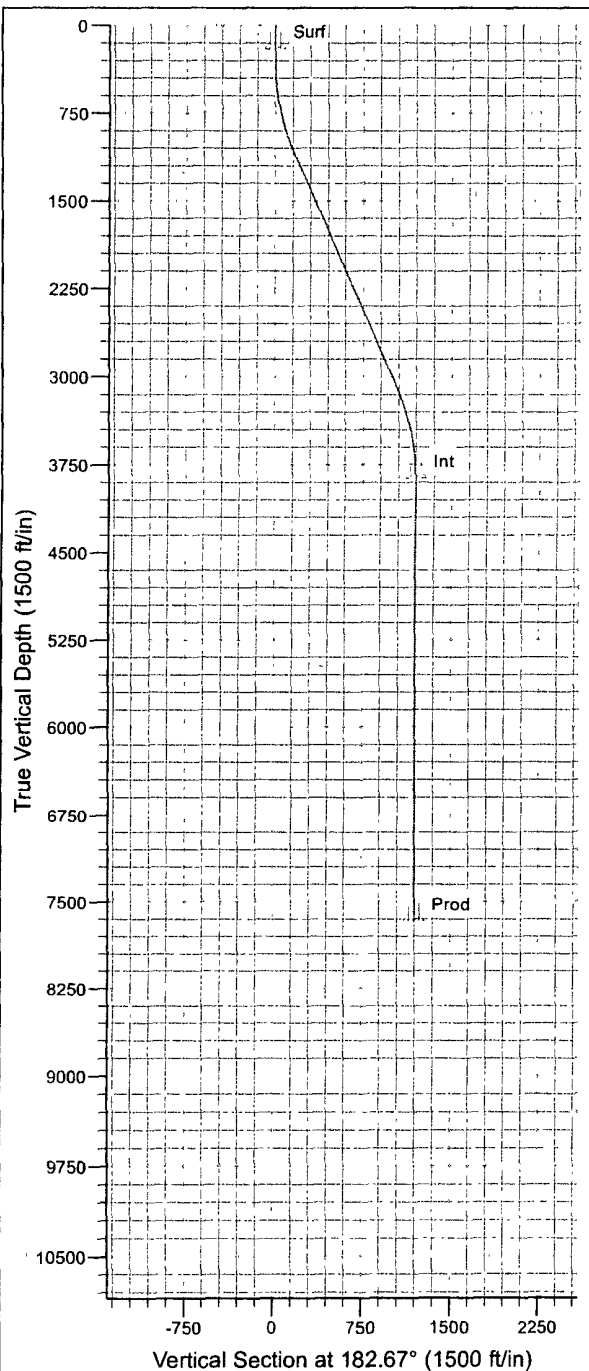
Wellbore: Wellbore #1

Design: Plan #1

ConocoPhillips

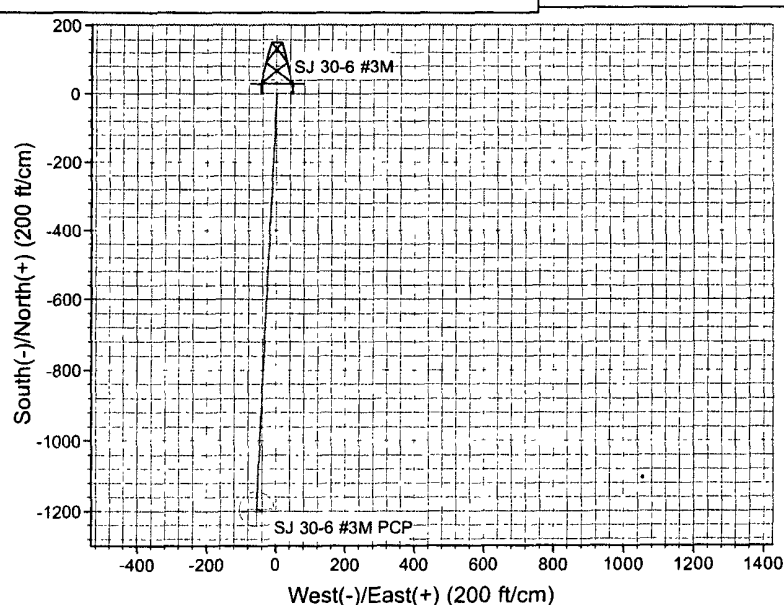
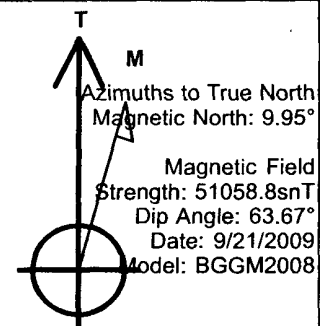
SECTION DETAILS

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	1103.3	23.50	182.67	1081.5	-158.2	-7.4	3.00	182.67	158.4	
4	3307.0	23.50	182.67	3102.5	-1036.0	-48.3	0.00	0.00	1037.1	
5	4090.3	0.00	0.00	3864.0	-1194.2	-55.6	3.00	180.00	1195.5	SJ 30-6 #3M ICP
6	7893.3	0.00	0.00	7667.0	-1194.2	-55.6	0.00	0.00	1195.5	SJ 30-6 #3M PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
		Encinal
1209.0	1019.5	Nacimiento
2529.0	2458.1	Ojo
2639.0	2578.1	Kirtland
2947.0	2913.9	Fruitland
3401.0	3407.9	Pictured Cliffs
3469.0	3480.0	Lewis
4105.0	4126.3	Huerfano Bentonite
4460.0	4481.3	Chacra
4994.0	5015.3	Upper Cliffhouse
5299.0	5320.3	Mass. Cliffhouse
5349.0	5370.3	Menefee
5615.0	5636.3	Point Lookout
5973.0	5994.3	Mancos
6883.0	6904.3	Upper Gallup
7581.0	7602.3	Greenhorn
7635.0	7656.3	Graneros
7748.0	7769.3	Two Wells
7760.0	7781.3	Paguate
7777.0	7798.3	Upper Cubero
7803.0	7824.3	Lower Cubero



BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT #3 M

1181' FNL & 786' FWL

LOCATED IN THE NW/4 NW/4 OF SECTION 24,

T30N, R6W, N M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLANCO, TRAVEL EASTERLY ON HWY 64 FOR 28.4 MILES.
- 2) TURN LEFT ON HWY 527 & GO 7.8 MILES.
- 3) TURN RIGHT ONTO ROSA ROAD & GO 5.1 MILES.
- 4) TURN RIGHT & GO 2 MILES.
- 5) TURN RIGHT AT WELL PAD & GO 0.4 MILES.
- 6) TURN LEFT & GO 200' TO EXISTING LOCATION WHERE PAD IS TWINNED.

WELL FLAG LOCATED AT LAT. 36.80212° N, LONG. 107.42054° W (NAD 83).

JOB No.: COPC329
DATE: 07/20/09



Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637