

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

SEP 15 2009

1a. Type of Work DRILL	5. Lease Number Bureau of Land Management SF-079193 Farmington Field Office Unit Reporting Number	
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 28-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD SEP 28 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit A(NENE), 815' FNL & 1239' FEL Bottomhole: Unit C(NENW), 100' FNL & 2500' FWL Surf: Latitude: 36.65176° N (NAD83) Longitude: 107.46772° W Bottomhole: Latitude: 36.65371° N (NAD83) Longitude: 107.42942° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 21, T28N, R6W API # 30-039-30814	
14. Distance in Miles from Nearest Town 32 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 575'		
16. Acres in Lease 2,240.00	17. Acres Assigned to Well MV/DK 320.00 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 72' from San Juan 28-6 Unit 459 (FC)		
19. Proposed Depth 7779'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6466' 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 9/15/2009	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	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

SEP 29 2009

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

for Directional Survey
and "As Drilled" plat

NMOC

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

DISTRICT II
1801 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

OIL CONSERVATION DIVISION SEP 15 2009

1220 South St. Francis Dr.
Santa Fe, NM 87505

Bureau of Land Management
Farmington Field Office

Submit to Appropriate District Office
15 2009 State Lease - 4 Copies
Fee Lease - 3 Copies

State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30814		*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 7462	*Property Name SAN JUAN 28-6 UNIT		*Well Number 142 N
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6466'

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
A	21	28N	6W		815'	NORTH	1239'	EAST	RIO ARriba

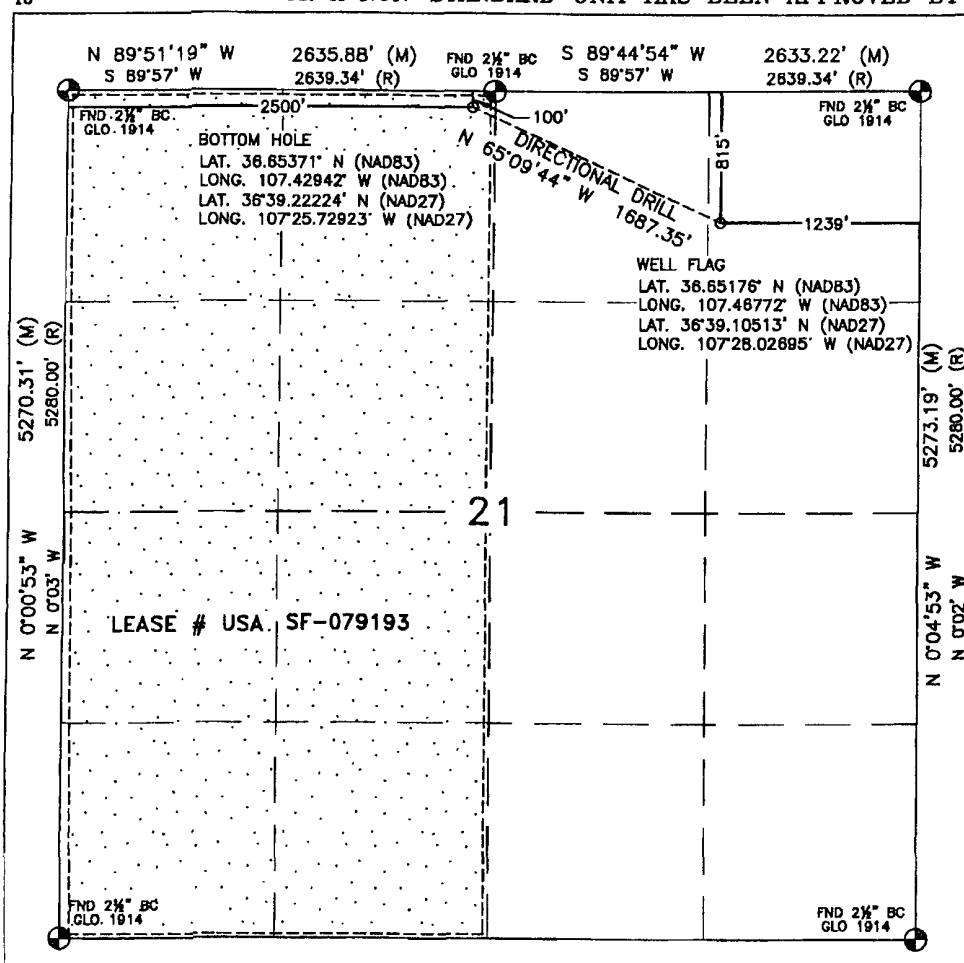
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	21	28N	6W		100'	NORTH	2500'	WEST	RIO ARRIBA

¹³ Dedicated Acres 320.0 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

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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.

Signature Constat Talaya Date 9/10/09

Crystal Tafoya 9-10-09

18 SURVEYOR CERTIFICATION

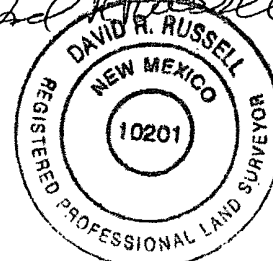
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

AUGUST 19, 2008

Date of Survey _____

Signature and Seal of Professional Surveyor.

David R. Russell



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 142N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7469		AFE \$: 1,965,333.23	
Field Name: SAN JUAN 28-6 UNIT		Rig: H&P Rig 283	State: NM	County: RIO ARRIBA	API #:
Geologist:	Phone:	Geophysicist:	Phone:		
Geoscientist: Head, Chip F (Charles)	Phone: +1-505-326-9772	Prod. Engineer:	Phone:		
Res. Engineer: Prabowo, Wahyu	Phone: +1-505-326-9797	Proj. Field Lead:	Phone:		

Primary Objective (Zones):	
Zone	Zone Name
R20076	DAKOTA(R20076)
R20002	MESAVERDE(R20002)

Location: Surface		Datum Code: NAD 27		Direction:	
Latitude: 36.651752	Longitude: -107.467116	X:	Y:	Section: 21	Range: 006W
Footage X: 1239 FEL	Footage Y: 815 FNL	Elevation: 6466	(FT)	Township: 028N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD 27		Direction:	
Latitude: 36.652402	Longitude: -107.472166	X:	Y:	Section: 21	Range: 006W
Footage X: 2550 FWL	Footage Y: 575 FNL	Elevation:	(FT)	Township: 028N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6481	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6281	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	2536	3945	☐			
KIRTLAND	2636	3845	☐			
FRUITLAND	2933	3548	☐			Possible Gas
PICTURED CLIFFS	3309	3172	☐			
LEWIS	3446	3035	☐			
HUERFANITO BENTONITE	3926	2555	☐			
CHACRA	4275	2206	☐			
Intermediate Casing	4500	1981	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1103 cuft. Circulate cement to surface.
MASSIVE CLIFF HOUSE	4966	1515	☐	568		Gas
MENEFEE	5126	1355	☐			
POINT LOOKOUT	5461	1020	☐			
MANCOS	5980	501	☐			
UPPER GALLUP	6711	-230	☐			
GREENHORN	7441	-960	☐			
GRANEROS	7503	-1022	☐			
TWO WELLS	7546	-1065	☐	2474		Gas
UPPER CUBERO	7654	-1173	☐			
LOWER CUBERO	7691	-1210	☐			
Total Depth	7779	-1298	☐			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 449 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7779	-1298	☐			

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 142N

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

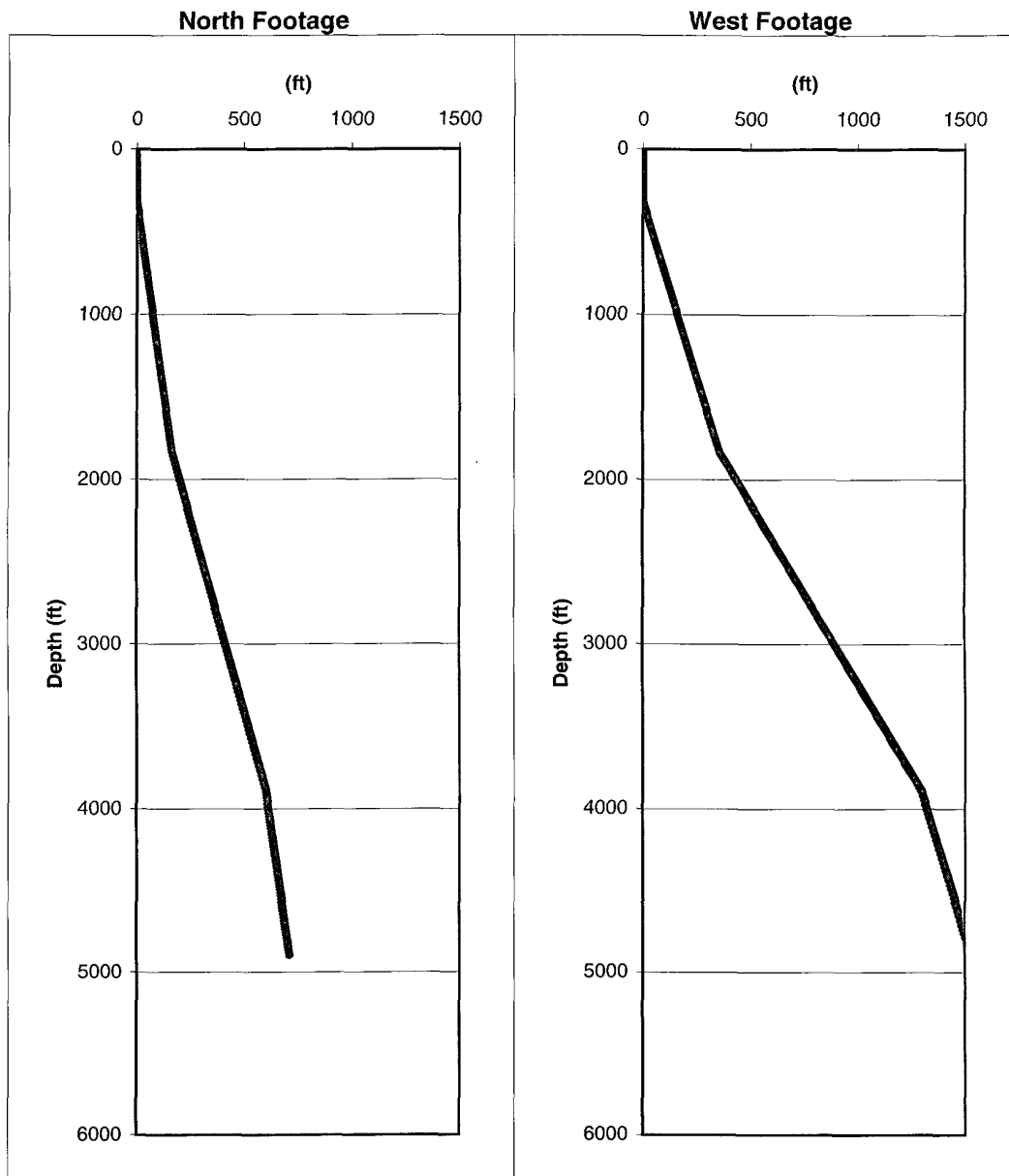
Logging Program:	
Intermediate Logs:	☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
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



Proposed Wellbore
San Juan 28-6 Unit 142N



ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #142N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6481.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6481.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #142N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,942.8	7,546.0	Two Wells		0.00		
7,107.8	6,711.0	Gallup		0.00		
2,843.6	2,636.0	Kirtland		0.00		
8,050.8	7,654.0	Upper Cubero		0.00		
3,623.3	3,309.0	Pictured Cliffs		0.00		
4,313.8	3,926.0	Huerf Bent		0.00		
2,727.8	2,536.0	Ojo Alamo		0.00		
6,376.8	5,980.0	Mancos Shale		0.00		
5,362.8	4,966.0	Massive Cliffhouse		0.00		
5,522.8	5,126.0	Menefee		0.00		
3,187.7	2,933.0	Fruitland		0.00		
8,175.8	7,779.0	Encinal		0.00		
7,899.8	7,503.0	Graneros		0.00		
8,087.8	7,691.0	Lower Cubero		0.00		
3,782.0	3,446.0	Lewis		0.00		
7,837.8	7,441.0	Greenhorn		0.00		
5,857.8	5,461.0	Pt Lookout		0.00		
4,671.3	4,275.0	Chacra		0.00		

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 28-6 UNIT #142 N
815' FNL & 1239' FEL
LOCATED IN THE NE/4 NE/4 OF SECTION 21,
T28N, R6W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM BLANCO POST OFFICE HEAD EAST 22.7 MILES TO 4-MILE CANYON TURN OFF.
- 2) GO SOUTHEAST 3.4 MILES TO "Y" INTERSECTION.
- 3) TURN RIGHT, AND GO 2.1 MILES TO CROWS FOOT.
- 4) TURN RIGHT, AND GO NORTHWEST FOR 1.1 MILES.
- 5) TURN LEFT & GO 0.1 MILES TO "Y" INTERSECTION.
- 6) TURN LEFT & GO 1.1 MILES, THROUGH LOCKED GATE, BY RANCH HOUSE & THROUGH WELL PAD, TO EXISTING LOCATION WHERE IT IS TWINNED.

WELL FLAG LOCATED AT LAT. 36.65176°N, LONG. 107.46772°W (NAD 83).

JOB No.: COPC144
DATE: 09/19/08



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