

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

1a. Type of Work DRILL	5. Lease Number SF-079193 Unit Reporting Number Bureau of Land Management Farmington Field Office	APR 07 2009
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 JUN 9 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit L (NWSW), 1370' FSL & 1295' FWL Bottomhole: Unit K (NESW), 1700' FSL & 2050' FWL Surf: Latitude: 36.64329° N (NAD83) Longitude: 107.47705° W Bottomhole: Latitude: 36.64419° N (NAD83) Longitude: 107.47448° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 21, T28N, R6W API # 30-039- 30728	
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 1295'		
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, Drig, Compl, or Applied for on this Lease 102' from San Juan 28-6 Unit 460 (FC)		
19. Proposed Depth 7758' 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.) 6475' 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)	Date <u>4/7/2009</u>	

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 OCD 24 HRS.
PRIOR TO CASING & CEMENT

BLM'S APPROVAL OR ACCEPTANCE OF THIS
APPLICATION DOES NOT RELIEVE THE LESSEE AND
ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS

JUN 10 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

Form C-102
Revised October 12, 2005

OIL CONSERVATION DIVISION

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

RECEIVED

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

APR 07 2009

Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION

¹ API Number 30-039-30728	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28-6 UNIT	⁶ Well Number 142 P
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6475'

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
L	21	28N	6W		1370'	SOUTH	1295'	WEST	RIO ARRIBA

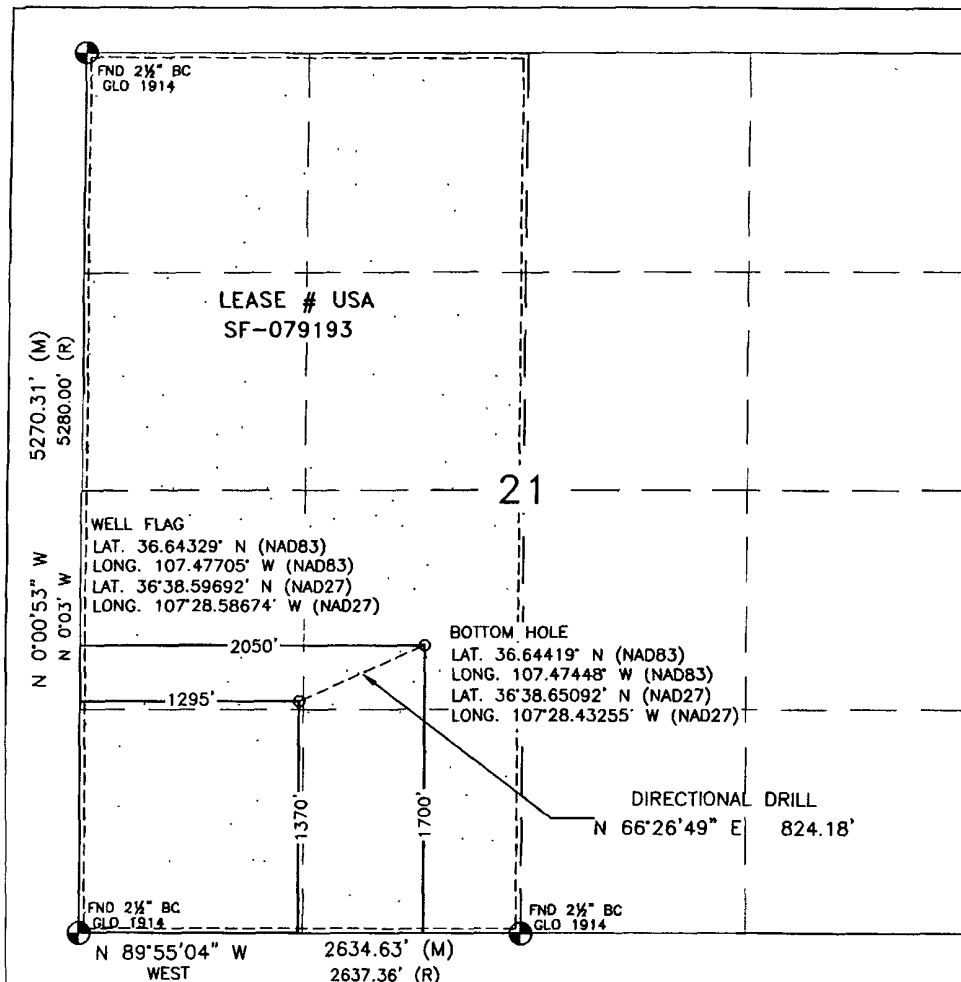
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	21	28N	6W		1700'	SOUTH	2050'	WEST	RIO ARRIBA

¹² 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.

Crystal Tafoya 3/26/09
Signature Date

Crystal Tafoya 3-26-09
Printed Name

18 SURVEYOR CERTIFICATION

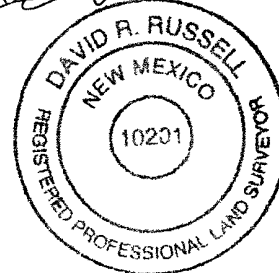
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

AUGUST 20, 2008

Date of Survey

Signature and Seal of Professional Surveyor

David A. Russell



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 142P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7467				AFE \$: 1,631,664.19	
Field Name: hBR_SAN JUAN 28-6 UNIT		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA		API #:
Geologist:	Phone:	Geophysicist:		Phone:			
Geoscientist:	Phone:	Prod. Engineer:		Phone:			
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
R20076	DAKOTA(R20076)						
R20002	MESAVERDE(R20002)						
Location: Surface Datum Code: NAD 27 Deviated							
Latitude: 36.643282	Longitude: -107.476446	X:	Y:	Section: 21		Range: 006W	
Footage X: 1295 FWL	Footage Y: 1370 FSL	Elevation: 6475	(FT)	Township: 028N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Deviated							
Latitude: 36.644182	Longitude: -107.473876	X:	Y:	Section: 21		Range: 006W	
Footage X: 2050 FWL	Footage Y: 1700 FSL	Elevation:	(FT)	Township: 028N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6490 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6290	☐			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	2520	3970	☐				
KIRTLAND	2625	3865	☐				
FRUITLAND	2910	3580	☐			Possible Gas	
PICTURED CLIFFS	3290	3200	☐				
LEWIS	3442	3048	☐				
Intermediate Casing	3542	2948	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 829 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3897	2593	☐				
CHACRA	4235	2255	☐				
MASSIVE CLIFF HOUSE	4945	1545	☐	718		Gas	
MENEFEE	5095	1395	☐				
POINT LOOKOUT	5460	1030	☐				
MANCOS	5985	505	☐				
UPPER GALLUP	6695	-205	☐				
GREENHORN	7437	-947	☐				
GRANEROS	7498	-1008	☐				
TWO WELLS	7537	-1047	☐	2375		Gas	
UPPER CUBERO	7653	-1163	☐				
LOWER CUBERO	7688	-1198	☐				
Total Depth	7758	-1268	☐			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 574 cuft. Circulate cement a minimum of 100' inside the previous casing string.	
ENCINAL	7758	-1268	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 142P

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. Est bottom perf is ~15' above the est 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 28-6 #142P
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6490.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6490.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #142P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,615.7	2,520.0	Ojo		0.00		
2,729.2	2,625.0	Kirtland		0.00		
3,036.3	2,910.0	Fruitland		0.00		
3,427.7	3,290.0	Pictured Cliffs		0.00		
3,580.4	3,442.0	Lewis		0.00		
4,035.5	3,897.0	Huerfano Bentonite		0.00		
4,373.5	4,235.0	Chacra		0.00		
5,083.5	4,945.0	Mass Cliffhouse		0.00		
5,233.5	5,095.0	Menefee		0.00		
5,598.5	5,460.0	Point Lookout		0.00		
6,123.5	5,985.0	Mancos		0.00		
6,833.5	6,695.0	Upper Gallup		0.00		
7,575.5	7,437.0	Greenhorn		0.00		
7,636.5	7,498.0	Graneros		0.00		
7,675.5	7,537.0	Two Wells		0.00		
7,791.5	7,653.0	Upper Cubero		0.00		
7,826.5	7,688.0	Lower Cubero		0.00		
7,896.5	7,758.0	Encinal		0.00		

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 28-6 UNIT #142 P
1370' FSL & 1295' FWL
LOCATED IN THE NW/4 SW/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 RIGHT & GO 0.9 MILES, THROUGH LOCKED GATE, BY RANCH HOUSE, ACROSS WASH.
- 7) TURN LEFT & GO 0.8 MILES TO EXISTING LOCATION WHERE IT IS TWINNED.

WELL FLAG LOCATED AT LAT. 36.64329°N, LONG. 107.47705°W (NAD 83).

