

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 02 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 USA SF-080505 Unit Reporting Number NMNM-78411A-MV	
1b. Type of Well GAS	6. If Indian, All. or Tribe NMNM 78411B-D/C	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 28-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD JAN 27 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit C (NENW), 850' FNL & 1565' FWL Bottom: Unit E (SWNW), 2045' FNL & 710' FWL Surf: Latitude 36.63715 N Longitude 107.40419 W Bottom: Latitude 36.63389 N Longitude 107.40711 W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 30, T28N, R5W API # 30-039-30634	
14. Distance in Miles from Nearest Town 12 miles/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1565'		
16. Acres in Lease 320.000 160.00	17. Acres Assigned to Well 320.00 (N/2) - DK 320.00 (N/2) - MV	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 180' from San Juan 28-5 Unit 59M MV/DK		
19. Proposed Depth 7822'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6576' GR	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 12/31/08	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY D. M. Keeler

TITLE

AFM

DATE

1/22/09

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

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

NMOCD

Hold C104

for Directional Survey
and "As Drilled" plat

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

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

JAN 29 2009

District I
1625 N French Dr., Hobbs, NM 88240

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

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
Instructions on back
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- <u>38034</u>		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7460	*Property Name SAN JUAN 28-5 UNIT		*Well Number 59N
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6576'

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
C	30	28N	5W		860	NORTH	1565	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	30	28N	5W		2045	NORTH	710	WEST	RIO ARriba

¹² Dedicated Acres	320.0 Acres (N/2) - MV	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
	320.0 Acres (N/2) - DK			

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

5280.00'

<p>¹⁶</p> <p>SURFACE LOCATION LAT: 36°38.2283'N LONG: 107°24.2155'W DATUM: NAD27</p> <p>LAT: 36.63715'N LONG: 107.40419'W DATUM: NAD83</p> <p>LEASE USA SF-080505</p> <p>LEASE USA SF-079472</p> <p>BOTTOM-HOLE LAT: 36°38.0326'N LONG: 107°24.3904'W DATUM: NAD27</p> <p>LAT: 36.63389'N LONG: 107.40711'W DATUM: NAD83</p> <p>30</p> <p>5280.00'</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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</p> <p><u>Crystal Tafoya</u> <u>6/30/08</u> Signature Date</p> <p><u>Crystal Tafoya</u> <u>6-30-08</u> Printed Name</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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</p> <p>Date of Survey: MAY 16, 2008</p> <p>Signature and Seal of Professional Surveyor</p> <p> JASON C. EDWARDS Certificate Number 15269</p>
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COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD08.F8		
SAN JUAN 28 - 5 # 59 N		DATE 6/27/2008
WELL NAME	SAN JUAN 28 - 5 # 59 M	
WELL NAME		

COORDINATES

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
C 30	28 N	5 W	36.63715 N	107.40419 W

COUNTY

SAN JUAN

RECTIFIER
SOLAR
GROUND BED
240 V METER POLE
480 V METER POLE
D C CABLES
A C CABLES
PRIMARY POWER
DISTANCE TO POWER
UNDERGROUND
PUMPJACK
WATER PUMP

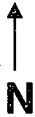
SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
40/16	X	X		
	X	X		
		X		
# 8	200'			
				3 PHASE
				ON LOCATION

COMMENTS

INSTALL NEW GBED
REPLACE 28/12 RECT WITH 40/16 RECT
SANDY SOIL
3 PHASE JEMEZ PRIMARY ON LOCATION

WELL NAME

SAN JUAN 28 - 5 # 59 N



WILLIAMS PIPELINE

3 PHASE JEMEZ PRIMARY

INSTALL NEW GBED

EXISTING METER POLE
240V & RECT.

160'

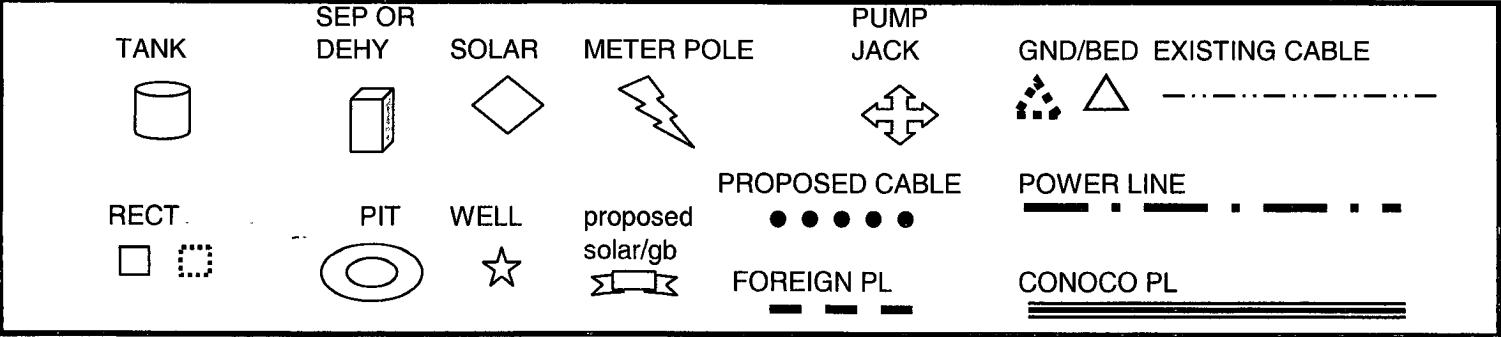
PLOW NEG



OLD GBED

REPLACE 28/12 RECT. (OLD)
WITH NEW RECTIFIER

SANDY SOIL



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 59N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7457		AFE \$:	
Field Name: hBR_SAN JUAN 28-5 UNIT		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.637142	Longitude: -107.403587	X:	Y:	Section: 30	Range: 005W
Footage X: 1565 FWL	Footage Y: 860 FNL	Elevation: 6576	(FT)	Township: 028N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27					
Latitude: 36.633882	Longitude: -107.406507	X:	Y:	Section: 30	Range: 005W
Footage X: 710 FWL	Footage Y: 2045 FNL	Elevation:	(FT)	Township: 028N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:	
Formation Data: Assume KB = 6591		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	203	6388	<input type="checkbox"/>		
OJO ALAMO	2681	3910	<input type="checkbox"/>		
KIRTLAND	2833	3758	<input type="checkbox"/>		
FRUITLAND	2954	3637	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	3401	3190	<input type="checkbox"/>		
LEWIS	3533	3058	<input type="checkbox"/>		
HUERFANITO BENTONITE	3996	2595	<input type="checkbox"/>		
CHACRA	4349	2242	<input type="checkbox"/>		
Intermediate Casing	4500	2091	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	5158	1433	<input type="checkbox"/>	609	
MENEFEE	5219	1372	<input type="checkbox"/>		
POINT LOOKOUT	5546	1045	<input type="checkbox"/>		
MANCOS	5815	776	<input type="checkbox"/>		
UPPER GALLUP	6759	-168	<input type="checkbox"/>		
GREENHORN	7497	-906	<input type="checkbox"/>		
GRANEROS	7556	-965	<input type="checkbox"/>		
TWO WELLS	7597	-1006	<input type="checkbox"/>	2200	Gas
UPPER CUBERO	7697	-1106	<input type="checkbox"/>		
LOWER CUBERO	7736	-1145	<input type="checkbox"/>		
Total Depth	7822	-1231	<input type="checkbox"/>		
ENCINAL	7822	-1231	<input type="checkbox"/>		

12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 162 cuft. Circulate cement to surface.

8 3/4" Hole. 7", 23 ppf, J-55, STC Casing. Cement with 1079 cuft. Circulate cement to surface.

6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55/L-80, STC/LTC casing. Cement w/ 455 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-5 UNIT 59N

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

Logging Program:	
Intermediate Logs:	<input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT <input checked="" type="checkbox"/> Other
GR_CBL. Mud logger begin 100' above Greenhorn. TD at top of ENCN. Bott perf 20' above 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 28-5 #59N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6591 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 6591 0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-5 #59N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	Planned		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,008.5	2,833.0	Kirtland		0.00		
3,141.8	2,954.0	Fruitland		0.00		
3,634.5	3,401.0	Pictured Cliffs		0.00		
3,780.0	3,533.0	Lewis		0.00		
4,279.5	3,996.0	Huerfano Bentonite		0.00		
4,638.4	4,349.0	Chacra		0.00		
5,447.5	5,158.0	Mass Cliffhouse		0.00		
5,508.5	5,219.0	Menefee		0.00		
5,835.5	5,546.0	Point Lookout		0.00		
6,104.5	5,815.0	Mancos		0.00		
7,048.5	6,759.0	Upper Gallup		0.00		
7,786.5	7,497.0	Greenhorn		0.00		
7,845.5	7,556.0	Graneros		0.00		
7,886.5	7,597.0	Two Wells		0.00		
7,986.5	7,697.0	Upper Cubero		0.00		
8,025.5	7,736.0	Lower Cubero		0.00		
8,111.5	7,822.0	Encinal		0.00		



SEE SHEET 3 & 4 FOR PILING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

[illegible]

Directions from the Intersection of US Hwy 550 South & US Hwy 64 in Bloomfield, NM

to Burlington Resources Oil & Gas Company San Juan 28-5 Unit #59N

860' FNL & 1565' FWL, Section 30, T28N, R5W, N.M.P.M., Rio Arriba County, NM

Latitude: 36.63715°N Longitude: 107.40419°W Datum: NAD1983

From the intersection of US Hwy 550 South & US Hwy 64 in Bloomfield, NM, travel Easterly on US Hwy 64 for 31.9 miles to the San Juan 29-6 Water Well #1 @ Mile-post 96.3;

Go right (South-easterly) on Trunk-L Road for 3.4 miles to fork in road;

Go left (South-easterly) remaining on Trunk-L Road for 2.6 miles to fork in road;

Go left (South-easterly) remaining on Trunk-L Road for 0.2 miles to new access on right-hand side of existing roadway which continues for 61.2' to staked location.