

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

DEC 29 2008

1a. Type of Work DRILL	5. Lease Number USA SF - 078945 Unit Reporting Number	Bureau of Land Management Farmington Field Office
1b. Type of Well GAS	6. If Indian, All. or Tribe	RCVD JAN 27 '09 OIL CONS. DIV. DIST. 3
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 29-7 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	
4. Location of Well Surf: Unit H (SENE), 1695' FNL & 1040' FEL Bottom: Unit B (NWNE), 660' FNL & 1980' FEL Surf: Latitude 36.74277 N Longitude 107.51683 W Bottom: Latitude 36-74563 N. Longitude 107.52005 W.	9. Well Number #38M 10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) 4 Sec. 12, T29N, R7W API # 30-039- 30628	
14. Distance in Miles from Nearest Town 7 miles/Navajo City	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1980'		
16. Acres in Lease 2543.150	17. Acres Assigned to Well MV/DK 320.00 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' from SJ 29-7 #38		
19. Proposed Depth 7703'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6367' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	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	
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>12/22/08</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

JAN 29 2009

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

NMOCD

Hold C104

for Directional Survey and "As Drilled" plat

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

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

RECEIVED

DEC 29 2008

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30028		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
*Property Code 7465	*Property Name SAN JUAN 29-7 UNIT		*Well Number 38M	
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 5367'	

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
H	12	29N	7W		1695	NORTH	1040	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
B	12	29N	7W		660	NORTH	1980	EAST	RIO ARriba

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

	<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><i>Crystal Tafoya</i> 5/29/08 Signature Date Crystal Tafoya 5-29-08 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: APRIL 17, 2008 Signature and Seal of Professional Surveyor</p> <p> JASON C. EDWARDS Certificate Number 15269</p>

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD08.26		
SAN JUAN 29 - 7 # 38 M	DATE	5/29/2008
WELL NAME	SAN JUAN 29 - 7 # 38	
WELL NAME		

COORDINATES	SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
	H 12	29 N	7 W	36.74277 N	107.51683 W

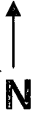
COUNTY	RIO ARRIBA
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	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
<u>RECTIFIER</u>	30'16	X	X		
<u>SOLAR</u>					
<u>GROUND BED</u>		X	X		
<u>240 V METER POLE</u>					
<u>480 V METER POLE</u>					
<u>D C CABLES</u>	# 8	200'			
<u>A C CABLES</u>	# 8	225'			
<u>PRIMARY POWER</u>				JEMEZ	FMN
<u>DISTANCE TO POWER</u>				1 MILE	2 MILES
<u>UNDERGROUND</u>					
<u>PUMPJACK</u>					
<u>WATER PUMP</u>					

COMMENTS	SANDY SOIL
	1 PHASE JEMEZ PRIMARY 1 MILE--3 PHASE CITY OF FMN POWER 2 MILES
	INSTALL NEW GROUNDBED
	REPLACE 28/12 RECT. WITH A 30'16 RECT.
	INSTALL NEW NEG TO NEW WELL
	INSTALL NEW POS. TO NEW GROUNDBED

WELL NAME
SAN JUAN 29 - 7 # 38 M

SANDY SOIL



1 PHASE JEMEZ PRIMARY 1 MILE

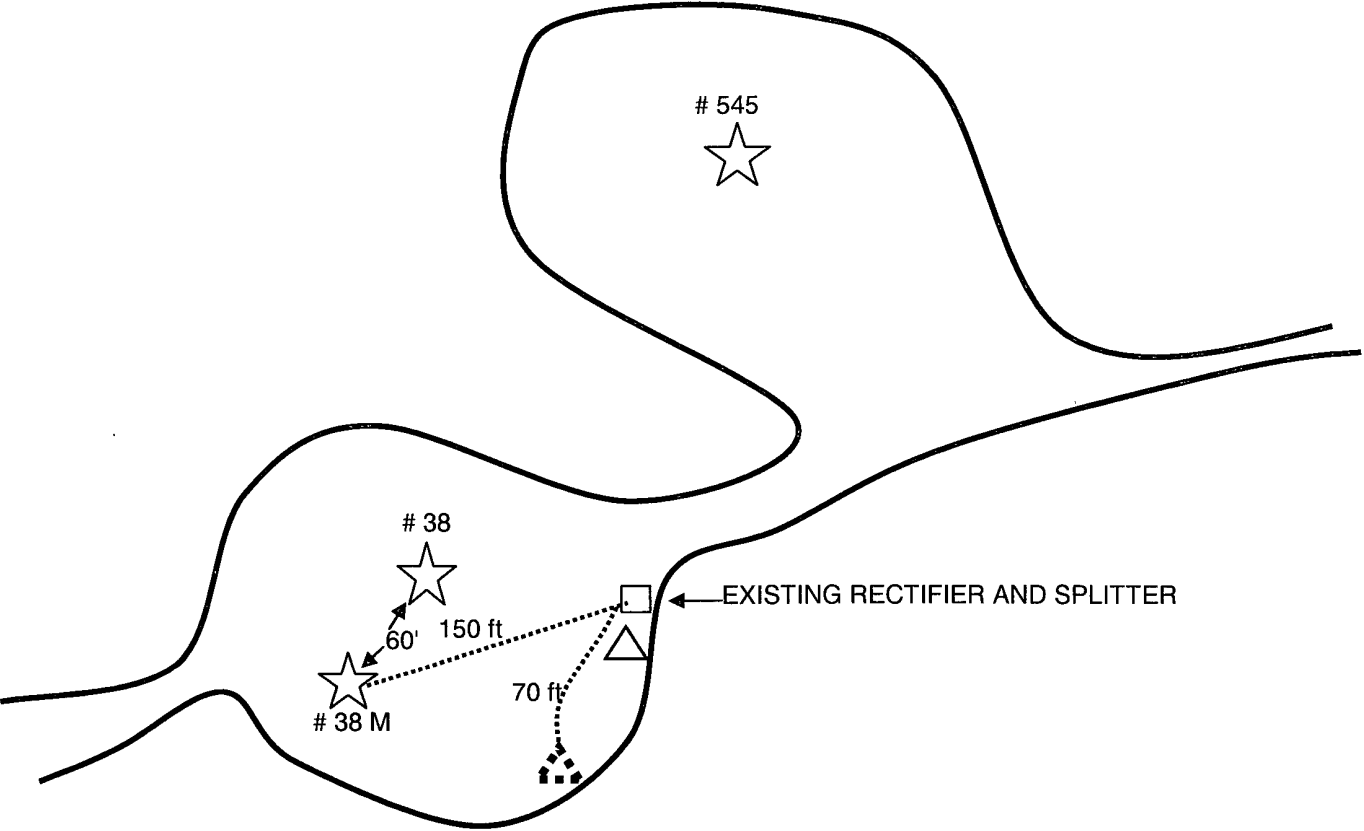
3 PHASE CITY OF FMN POWER 2 MILES

INSTALL NEW GROUND BED

REPLACE 28/12 RECTIFIER WITH A 30/16

INSTALL NEW NEG. TO NEW WELL

INSTAL NEW POSITIVE TO NEW GROUND BED



TANK	SEP OR DEHY	SOLAR	METER POLE	PUMP JACK	GND/BED	EXISTING CABLE
RECT	PIT	WELL	proposed solar/gb	PROPOSED CABLE	POWER LINE	
			FOREIGN PL		CONOCO PL	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 38M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8024				AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: H&P Rig 281		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		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							
Latitude: 36.742764		Longitude: -107.516224		X:	Y:	Section: 12	Range: 007W
Footage X: 1040 FEL		Footage Y: 1695 FNL		Elevation: 6367 (FT)		Township: 029N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.745624		Longitude: -107.519444		X:	Y:	Section: 12	Range: 007W
Footage X: 1980 FEL		Footage Y: 660 FNL		Elevation: (FT)		Township: 029N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6379		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6179	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.	
OJO ALAMO	2268	4111	<input type="checkbox"/>				
KIRTLAND	2488	3891	<input type="checkbox"/>				
FRUITLAND	2796	3583	<input type="checkbox"/>			Possible Gas	
PICTURED CLIFFS	3256	3123	<input type="checkbox"/>				
LEWIS	3413	2966	<input type="checkbox"/>				
HUERFANITO BENTONITE	4010	2369	<input type="checkbox"/>				
CHACRA	4247	2132	<input type="checkbox"/>			Top Perf at Chacra Top	
Intermediate Casing	4300	2079	<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1032 cuft. Circulate cement to surface.	
MASSIVE CLIFF HOUSE	5008	1371	<input type="checkbox"/>	602		Gas	
MENEFEE	5095	1284	<input type="checkbox"/>				
POINT LOOKOUT	5414	965	<input type="checkbox"/>				
MANCOS	5829	550	<input type="checkbox"/>				
GALLUP	6693	-314	<input type="checkbox"/>				
GREENHORN	7416	-1037	<input type="checkbox"/>				
GRANEROS	7472	-1093	<input type="checkbox"/>				
TWO WELLS	7534	-1155	<input type="checkbox"/>	1700		Gas	
CUBERO	7610	-1231	<input type="checkbox"/>				
LOWER CUBERO	7638	-1259	<input type="checkbox"/>				
ENCINAL	7703	-1324	<input type="checkbox"/>				
Total Depth	7703	-1324	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, J-55, LTC casing. Cement w/ 466 cuft. Circulate cement a minimum of 100' inside the previous casing string.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 38M

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 checked="" type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input type="checkbox"/> TDT	<input checked="" type="checkbox"/> Other
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GR_CBL. Mudlogger begin 100' above Greenhorn. TD at top of Encinal. Bott perf 20' above TD.

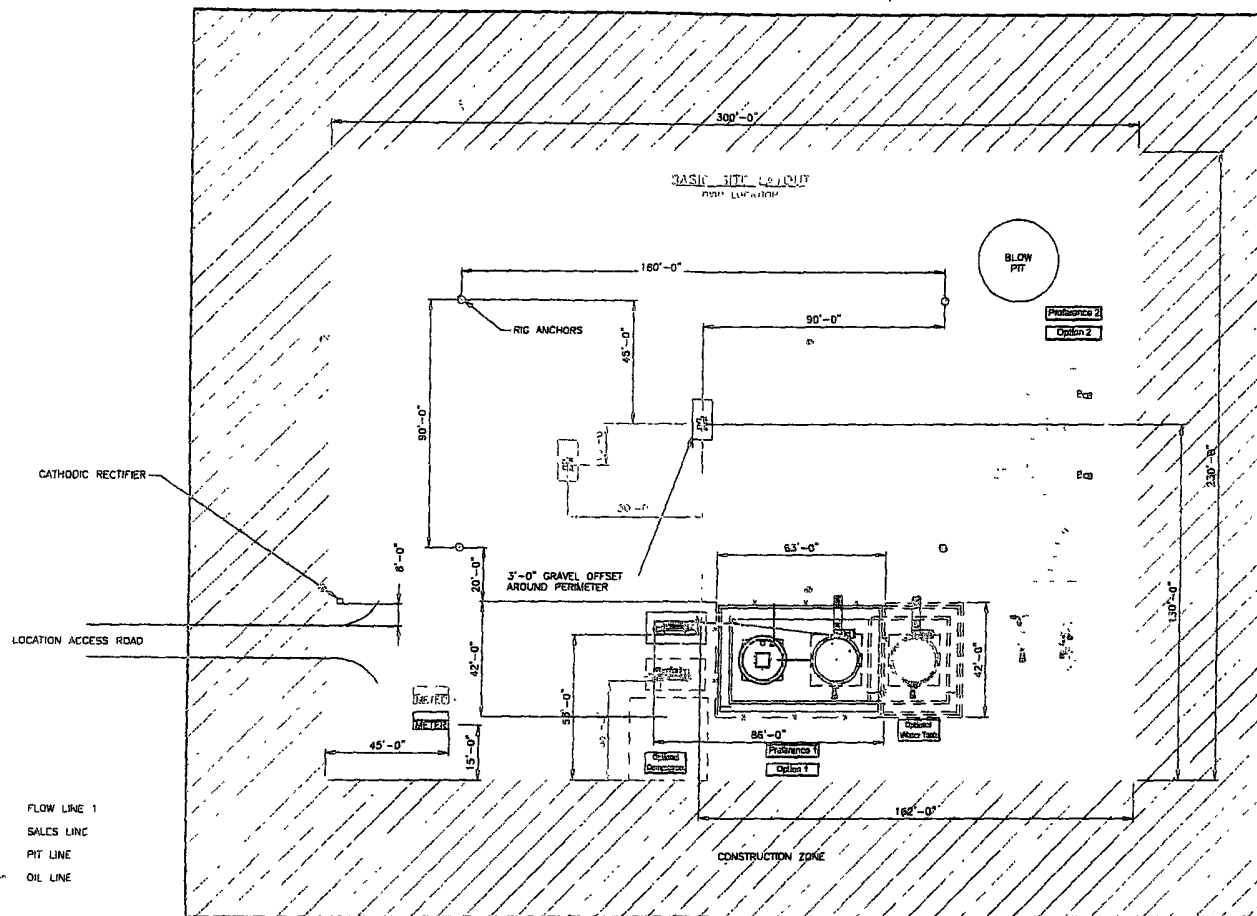
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #38M
Company:	ConocoPhillips SJB	TVD Reference:	Aztec KB 15' @ 6382.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	Aztec KB 15' @ 6382.0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #38M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction	
2,391.0	2,268.0	Ojo Alamo		0 00		
2,635.4	2,488.0	Kirtland		0 00		
2,977.5	2,796.0	Fruitland		0 00		
3,488.4	3,256.0	Pictured Cliffs		0 00		
3,662.8	3,413.0	Lewis		0 00		
4,293.6	4,010.0	Huerfano Bentonite		0 00		
4,531.7	4,247.0	Chacra		0 00		
5,292.7	5,008.0	Mass Cliffhouse		0 00		
5,379.7	5,095.0	Menefee		0 00		
5,698.7	5,414.0	Pt. Lookout		0 00		
6,113.7	5,829.0	Mancos Shale		0 00		
6,977.7	6,693.0	Gallup		0 00		
7,700.7	7,416.0	Greenhorn		0 00		
7,756.7	7,472.0	Graneros		0 00		
7,818.7	7,534.0	Two Wells		0 00		
7,894.7	7,610.0	Upper Cubero		0 00		
7,923.7	7,639.0	Lower Cubero		0 00		
7,987.7	7,703.0	Encinal		0 00		
7,987.7	7,703.0	TD		0 00		



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

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS		CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT											
										DESCRIPTION	REVIEWED	DATE	NO.	DESCRIPTION	SAN JUAN BUSINESS UNIT			CLIENT NO.	CLIENT APPROV.	APPROV. DATE						
										PROCESS								SCALE HERE	EXCHNGE DATE: 9/20/07	SHEET NO.						
										TECHNICAL										1 OF 5						
										PIPING																
										ELECTRICAL																
										1 OF 5																
										CONOCOPHILLIPS																
										DESCRIPTION	DATE	BY	CHKD	ENG	DOC	PAI										

DIRECTIONS

FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM
TRAVEL EASTERLY ON US HWY 64 FOR 26.7 MILES TO MP 91.0

GO LEFT FOR 0.6 MILES TO FORK IN ROAD

GO LEFT FOR 0.3 MILES TO FORK IN ROAD

GO RIGHT FOR 0.4 MILES TO FORK IN ROAD

GO RIGHT FOR 1.3 MILES TO FORK IN ROAD

GO RIGH, WICH IS STRAIGHT FOR 0.7 MILES TO 4-WAY INTERSECTION

GO LEFT @ 4-WAY INTERSECTION FOR 0.4 MILES TO FORK IN ROAD

GO LEFT, WHICH IS STRAIGHT, FOR 0.2 MILES TO FORK IN ROAD

GO LEFT FOR 0.1 MILES TO STAKED LOCATION
WHICH OVERLAPS AN EXISTING WELLPAD