

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 16 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG ^{Bureau of Land Management} ~~Back~~ Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-078945 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 29-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 83B
4. Location of Well Surf: Unit H(ENE), 2100' FNL & 1190' FEL Bottomhole: Unit B (NWNE), 1025' FNL & 2170' FEL <i>Lat 6</i> Surf: Latitude: 36.756107° N (NAD83) Longitude: 107.553372° W Bottomhole: Latitude: 36.759065° N (NAD83) Longitude: 107.556712° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) <i>H</i> - Sec. 3, T29N, R7W API # 30-039-30712
14. Distance in Miles from Nearest Town 33 miles/Bloomfield	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 1190'	13. State NM
16. Acres in Lease 1,235.92	17. Acres Assigned to Well MV/DK 318.05 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 104' from San Juan 29-7 Unit 533	
19. Proposed Depth 8211' 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.) 6828' 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: <i>Crystal Tafoya</i> Crystal Tafoya (Regulatory Technician)	<i>3/16/2009</i> 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**

HOLD C104 FOR

NSL-DK

SEP 10 2009

Hold C104
for Directional Survey
and "As Drilled" plat

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

RECEIVED

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

State of New Mexico
Energy, Minerals & Natural Resources Department

MAR 16 2009

Form C-102
Revised October 12, 2005

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30712		*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 7465	*Property Name SAN JUAN 29-7 UNIT		*Well Number 83B
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6828'

10 Surface Location

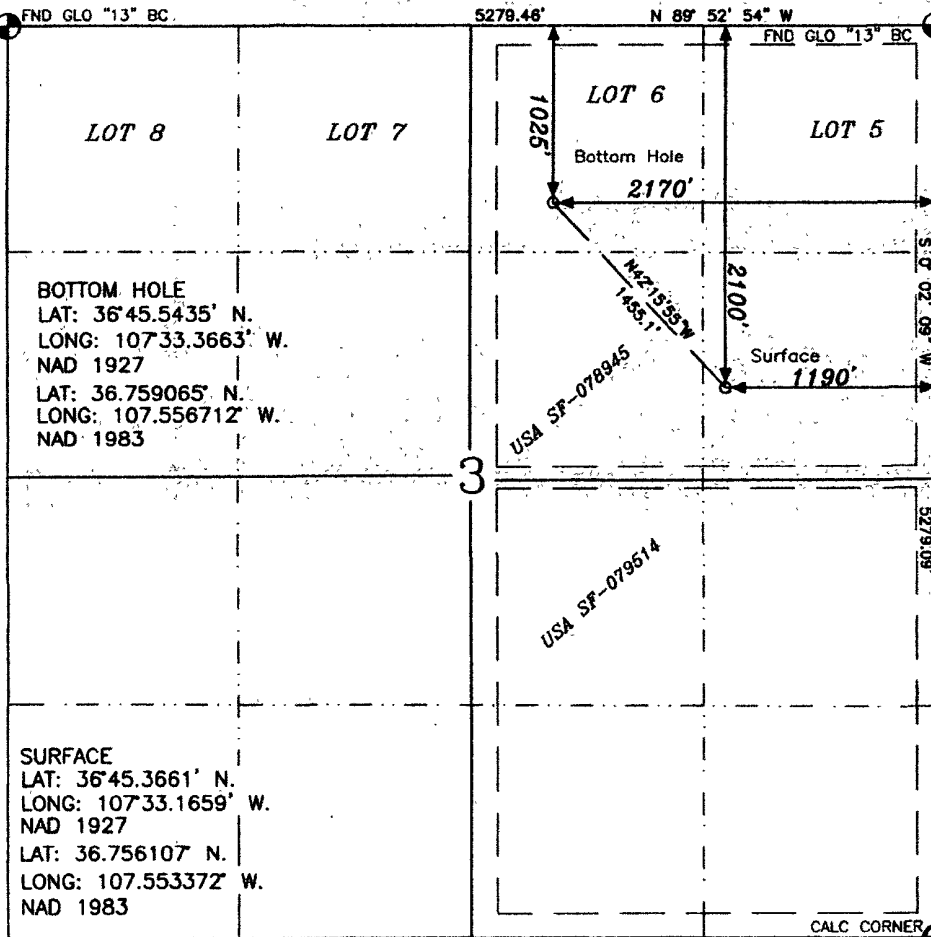
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	3	29-N	7-W		2100'	NORTH	1190'	EAST	RIO ARriba

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	3	29-N	7-W	6	1025'	NORTH	2170'	EAST	RIO ARriba

*Dedicated Acres DK 318.05 ACRES E/2 MV 318.05 ACRES E/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



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 of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>James Gardenhire</i> 9/29/08 Signature James Gardenhire 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. 9/23/08 Date of Survey <i>Green W. Russell</i> Signature GREEN W. RUSSELL NEW MEXICO 15703 LICENSED PROFESSIONAL SURVEYOR 15703 Certificate Number	

W.C. GLO "13" BC S 89° 57' W 13.2'

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 83B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8015				AFE \$: 1,764,370.98	
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						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.756101		Longitude: -107.552765		X:	Y:	Section: 03	Range: 007W
Footage X: 1190 FEL		Footage Y: 2100 FNL		Elevation: 6828 (FT)		Township: 029N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.759059		Longitude: -107.555513		X:	Y:	Section: 03	Range: 007W
Footage X: 2170 FEL		Footage Y: 1025 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 = 6843 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6643	☐			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	2773	4070	☐				
KIRTLAND	2889	3954	☐				
FRUITLAND	3219	3624	☐			Possible Gas	
PICTURED CLIFFS	3687	3156	☐				
LEWIS	3835	3008	☐				
HUERFANITO BENTONITE	4445	2398	☐				
Intermediate Casing	4450	2393	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1068 cuft. Circulate cement to surface. Estimated top perf 4600'.	
CHACRA	4718	2125	☐				
MASSIVE CLIFF HOUSE	5463	1380	☐	500		Gas	
MENEFEE	5554	1289	☐				
POINT LOOKOUT	5883	960	☐				
MANCOS	6271	572	☐				
UPPER GALLUP	6551	292	☐				
GREENHORN	7885	-1042	☐				
GRANEROS	7941	-1098	☐				
TWO WELLS	8007	-1164	☐	3400		Gas	
UPPER CUBERO	8095	-1252	☐				
LOWER CUBERO	8125	-1282	☐				
ENCINAL	8171	-1328	☐			TD at base of Encinal sand about 40' below T/ENCN. Est bot perf 15' off TD.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 83B

DEVELOPMENT

Total Depth	8211	-1368	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 513 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	29-7 11A	section 3 29-7
Production	29-7 99C	section 34 30-7
Production	29-7 57A	section 11 29-7

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

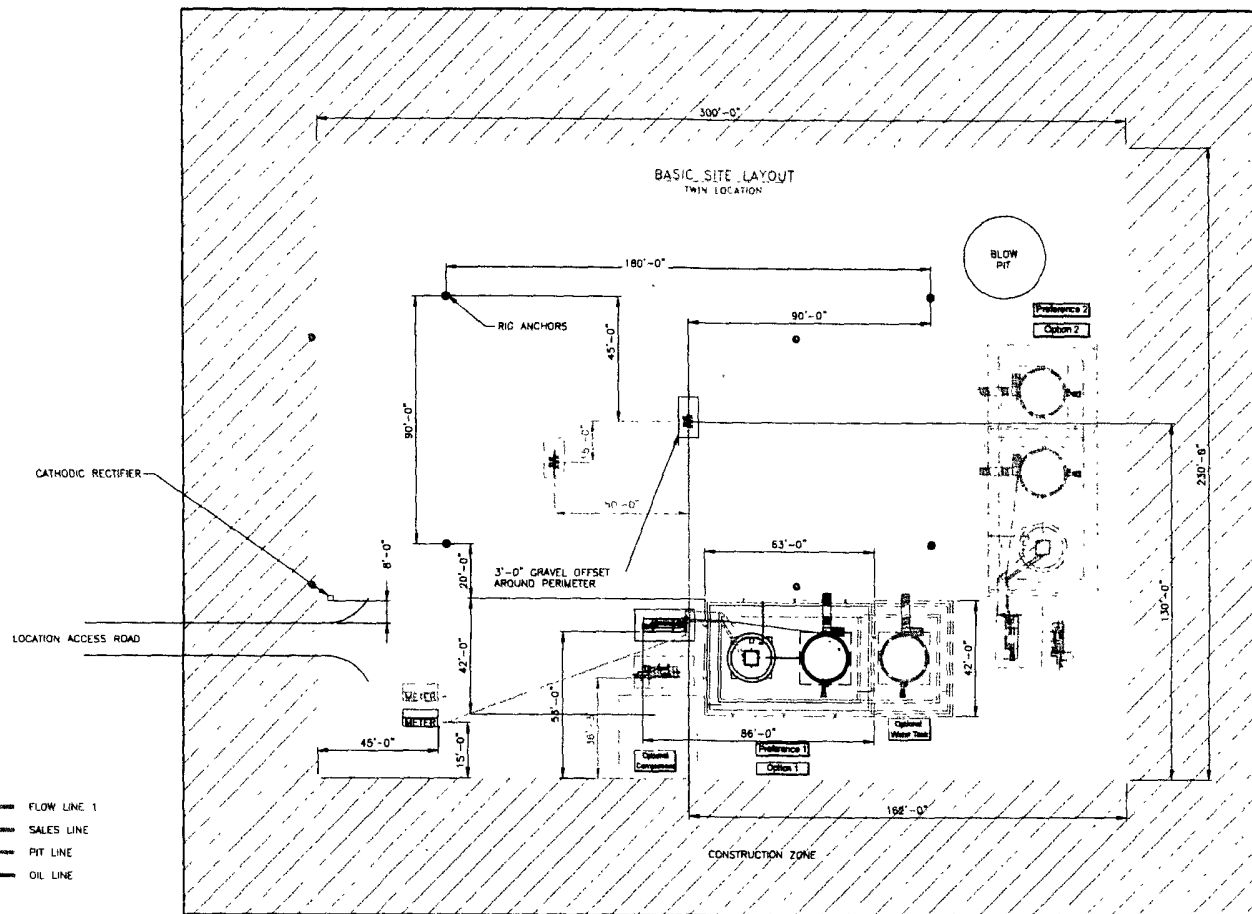
TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
No OH logs. Mudlog from 100' above Greenhorn to TD - loggers will call TD	

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 #83B
Company:	ConocoPhillips SJB	TVD Reference:	Aztec KB @ 6843.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	Aztec KB @ 6843.0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #83B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,946.1	2,773.0	Ojo		0.00	
3,074.4	2,889.0	Kirtland		0.00	
3,439.4	3,219.0	Fruitland		0.00	
3,956.6	3,687.0	Pictured Cliffs		0.00	
4,115.3	3,835.0	Lewis		0.00	
4,736.5	4,445.0	Huerfano Bentonite		0.00	
4,854.5	4,563.0	Mass Cliffhouse		0.00	
5,009.5	4,718.0	Chacra		0.00	
5,845.5	5,554.0	Menefee		0.00	
6,174.5	5,883.0	Point Lookout		0.00	
6,562.5	6,271.0	Mancos		0.00	
6,842.5	6,551.0	Upper Gallup		0.00	
8,176.5	7,885.0	Greenhorn		0.00	
8,232.5	7,941.0	Graneros		0.00	
8,298.5	8,007.0	Two Wells		0.00	
8,386.5	8,095.0	Upper cubero		0.00	
8,416.5	8,125.0	Lower Cubero		0.00	
8,462.5	8,171.0	Encinal		0.00	



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

SHEET 1 OF 5

										ENGINEERING REVIEW		REFERENCE DRAWINGS		CONOCOPhillips	CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
										DISCIPLINE	REVIEWED	DATE	NO.		CLIENT No.	CLIENT APPR.	APPR. DATE
										PROCESS				SAN JUAN BUSINESS UNIT	DESIGN BY	SCALE NONE	CREATION DATE: 6/20/07
										MECHANICAL							
										PIPING							
										ELECTRICAL							
										I & C							
										CIVIL/STRUCTURAL							
										PROJECT							
DESCRIPTION	DATE	BY	CHK'D	ENG	DEC	PM											

\\nrcs\5\gas\HPC\SanJuanBusiness\Regulatory\Twin Location Site Layouts.dwg 06/28/2007 - 02:39pm

HP3PHASE-REV1

SHEET NO
1 OF 5

Directions from the Intersection of Hwy 64 & 550
in Bloomfield, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 29-7 UNIT 83B
2100' FNL & 1190' FEL,
Section 3, T29N, R7W, N.M.P.M., Rio Arriba County,
New Mexico
Lat: 36° 45' 21.99" N
Long: 107° 33' 12.14" W
Nad 83

From the Intersection of Hwy 64 & 550
Take Highway 64 East for 24.0 miles to Hwy 539,
Turn left (northerly) on Hwy 539 for 2.2 miles
To Smith Pass road,
Turn right (easterly) on Smith Pass Road for 3.1 miles,
To the top of Smith Pass,
Turn right @ y-intersec (southeast) 2.5 miles,
Turn right (southerly) 1.1 miles,
Turn left (southerly) 0.3 miles,
to the newly staked location twinned on existing well pad,
SAN JUAN 29-7 UNIT 533.