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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 16 2009

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-079514 Unit Reporting Number WMM-784174-MV
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 RCVD SEP 3 '09 OIL CONS. DIV. DIST. 3
4. Location of Well Surf: Unit H (SENE), 2135' FNL & 1285' FEL Bottomhole: Unit J (NWSE) 2010' FSL & 1750' FEL Surf: Latitude: 36.756013° N (NAD83) Longitude: 107.553697° W Bottomhole: Latitude: 36.752895° N (NAD83) Longitude: 107.555285° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 3, T29N, R7W API # 30-039-30713
14. Distance in Miles from Nearest Town 33 miles/Bloomfield	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1285'	
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, Drig, Compl, or Applied for on this Lease 205' from San Juan 29-7 Unit 533	
19. Proposed Depth 8190'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6825' GL	22. Approx. Date Work will Start THIS APPROVAL OR ACCEPTANCE OF THIS APPLICATION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS 3/16/2009 Date
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 9/2/09

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

Hold C104

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

for Directional Survey
and "As Drilled" plat

NMOCD

SEP 11 2009

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

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West 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

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

RECEIVED

Form C-102
Revised October 12, 2005

MAR 16 2009

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

Bureau of Land Management
Farmington Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30713	*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 7465	*Property Name SAN JUAN 29-7 UNIT	*Well Number 83M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 6825'

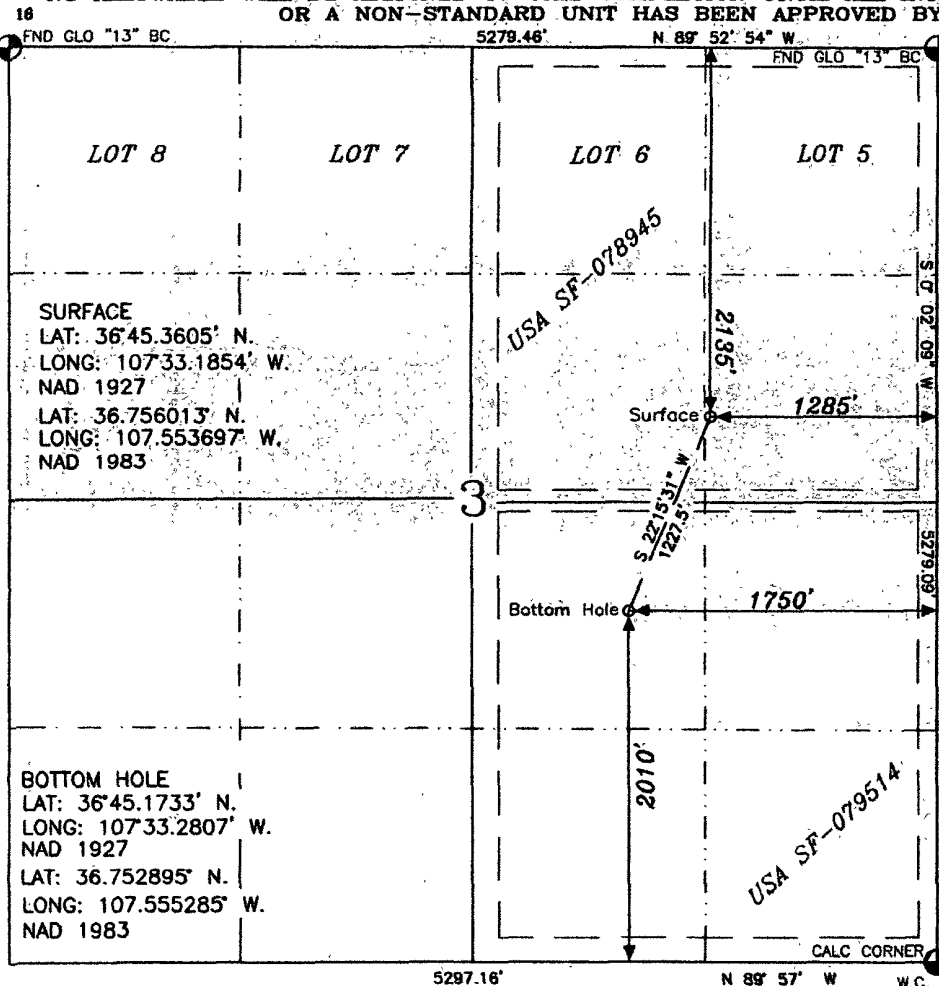
¹⁰ Surface Location

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		2135'	NORTH	1285'	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
J	3	29-N	7-W		2010'	SOUTH	1750'	EAST	RIO ARRIBA
¹² Dedicated Acres DK 318.05 ACRES E/2 MV 318.05 ACRES E/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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.

Signature: *James Gardenhire* 9/27/08
Printed Name: James Gardenhire

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.

Date of Survey: 9/26/08
Signature and Seal of Professional Surveyor:
Certificate Number: 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 83M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8014		AFE \$: 1,796,246.44	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: H&P Rig 281		State: NM	County: RIO ARRIBA
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				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.756007	Longitude: -107.553090	X:	Y:	Section: 03	Range: 007W
Footage X: 1285 FEL	Footage Y: 2135 FNL	Elevation: 6825	(FT)	Township: 029N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27					
Latitude: 36.752889	Longitude: -107.554678	X:	Y:	Section: 03	Range: 007W
Footage X: 1750 FEL	Footage Y: 2010 FSL	Elevation:	(FT)	Township: 029N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6840 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6640	☐		
OJO ALAMO	2770	4070	☐		
KIRTLAND	2890	3950	☐		
FRUITLAND	3210	3630	☐		Possible Gas
PICTURED CLIFFS	3684	3156	☐		
LEWIS	3832	3008	☐		
Intermediate Casing	3932	2908	☐		
HUERFANITO BENTONITE	4441	2399	☐		
CHACRA	4704	2136	☐		Estimated top perf 4600'.
MASSIVE CLIFF HOUSE	5443	1397	☐	520	Gas
MENELEE	5536	1304	☐		
POINT LOOKOUT	5871	969	☐		
MANCOS	6265	575	☐		
UPPER GALLUP	7118	-278	☐		
GREENHORN	7868	-1028	☐		
GRANEROS	7924	-1084	☐		
TWO WELLS	7986	-1146	☐	3420	Gas
UPPER CUBERO	8076	-1236	☐		
LOWER CUBERO	8106	-1266	☐		
ENCINAL	8160	-1320	☐		
TD at base of Encinal sand about 30' below T/ENCN. Est bot perf 15' off TD.					

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 29-7 UNIT 83M
DEVELOPMENT

 Total Depth 8190 -1350 ☐

6-1/4" hole, 4-1/2" 11.6 ppf, J-55,/L-80 LTC casing. Cement w/ 580 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	29-7 11A	section 3 29-7
Production	30-6 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. Mud log from 100' above Greenhorn to TD and logger will call TD.	

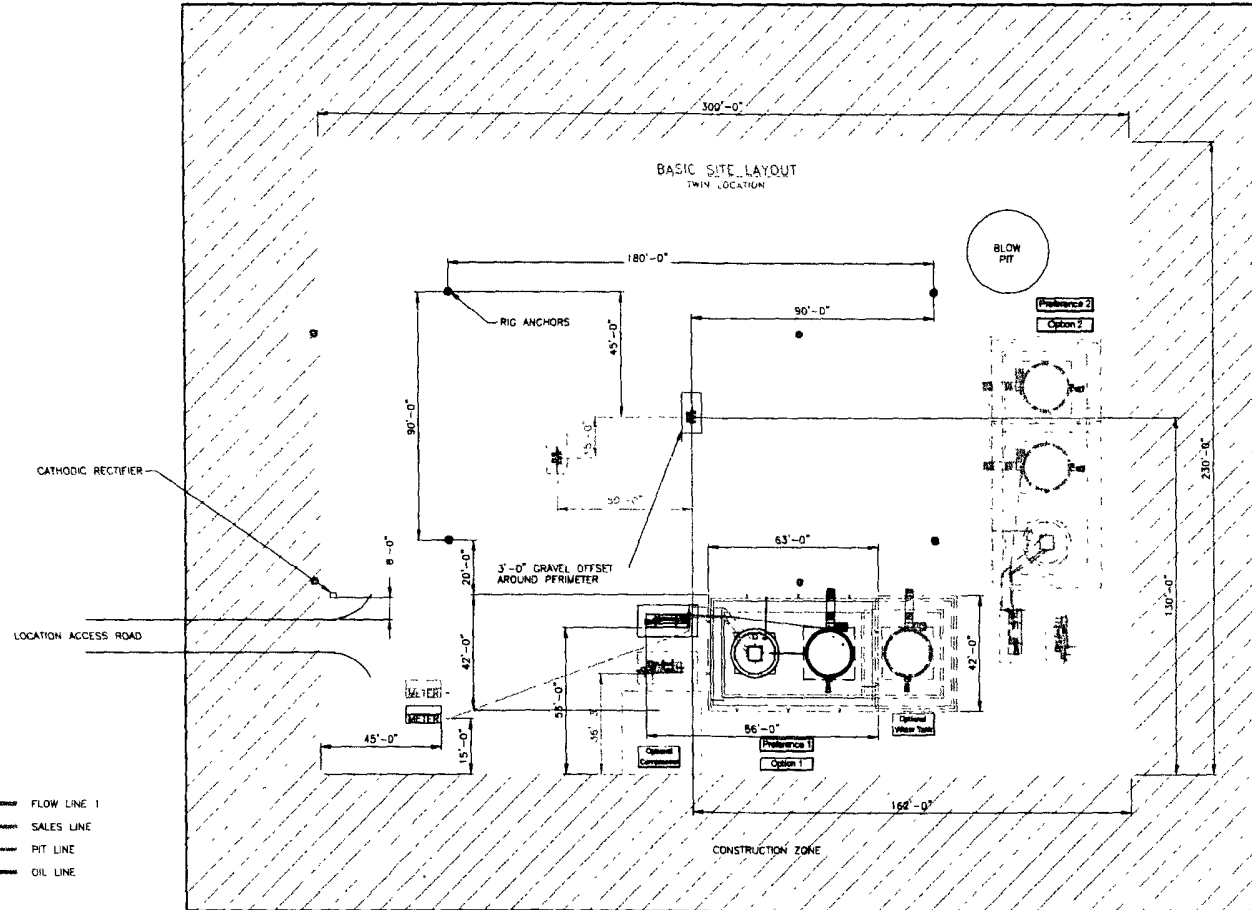
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #83M
Company:	ConocoPhillips SJB	TVD Reference:	Aztec KB @ 6840.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	Aztec KB @ 6840.0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #83M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,943.5	2,770.0	Ojo		0.00		
3,075.3	2,890.0	Kirtland		0.00		
3,426.3	3,210.0	Fruitland		0.00		
3,918.0	3,684.0	Pictured Cliffs		0.00		
4,066.6	3,832.0	Lewis		0.00		
4,675.7	4,441.0	Huerfano Bentonite		0.00		
4,938.7	4,704.0	Chacra		0.00		
5,677.7	5,443.0	Mass Cliffhouse		0.00		
5,770.7	5,536.0	Menefee		0.00		
6,105.7	5,871.0	Point Lookout		0.00		
6,499.7	6,265.0	Mancos		0.00		
7,352.7	7,118.0	Upper Gallup		0.00		
8,102.7	7,868.0	Greenhorn		0.00		
8,158.7	7,924.0	Graneros		0.00		
8,220.7	7,986.0	Two Wells		0.00		
8,310.7	8,076.0	Upper cubero		0.00		
8,340.7	8,106.0	Lower Cubero		0.00		
8,394.7	8,160.0	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

\\ms-5125\p\disc\Aracree\Regulatory\Twin Location Site Layout.dwg 5/6/2007 1:02 PM

Directions from the Intersection of Hwy 64 & 550
in Bloomfield, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 29-7 UNIT 83M
2135' FNL & 1285' FEL,
Section 3, T29N, R7W, N.M.P.M., Rio Arriba County,
New Mexico
Lat: 36° 45' 21.65" N
Long: 107° 33' 13.31" 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.