

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 16 2008

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	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	5. Lease Number USA NM - 03583 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 28-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number #135N
4. Location of Well Surf: Unit I (NESE), 2430' FSL & 375' FEL Bottom: Unit J (NWSE), 2525' FSL & 1850' FEL Surf: Latitude 36.602324 N Longitude 107.499848 W Bottom: Latitude 36.602634 N Longitude 107.504863 W		10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 6, T27N, R6W API # 30-039- 30624
14. Distance in Miles from Nearest Town 32.4 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1850'		
16. Acres in Lease 1280.00	17. Acres Assigned to Well DK 317.12 (S/2) MV 320.48 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 920' from San Juan 28-6 Unit #134M		
19. Proposed Depth 7770'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6604' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>12/9/08</u> Date	

PERMIT NO. APPROVAL DATE
APPROVED BY D. Mankie TITLE ATM DATE 1/7/09

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

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

NMOCD

JAN 14 2009

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

RCVD JAN 12 '09
OIL CONS. DIV.
DIST. 3

A COMPLETE C-144 MUST BE SUBMITTED TO AND
APPROVED BY THE NMOCD FOR: A PIT, CLOSED
LOOP SYSTEM, BELOW GRADE TANK, OR
PROPOSED ALTERNATIVE METHOD, PURSUANT TO
NMOCD PART 19.15.17, PRIOR TO THE USE OR
CONSTRUCTION OF THE ABOVE APPLICATIONS.

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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 ~~Bureau of Land Management~~
Santa Fe, NM 87505 Farmington Field Office

RECEIVED

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Form C-102
Revised October 12, 2005

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- 30621		*Pool Code 71599/72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
*Property Code 7462	*Property Name SAN JUAN 28-6 UNIT			*Well Number 135N
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			*Elevation 6604'

¹⁰ Surface Location

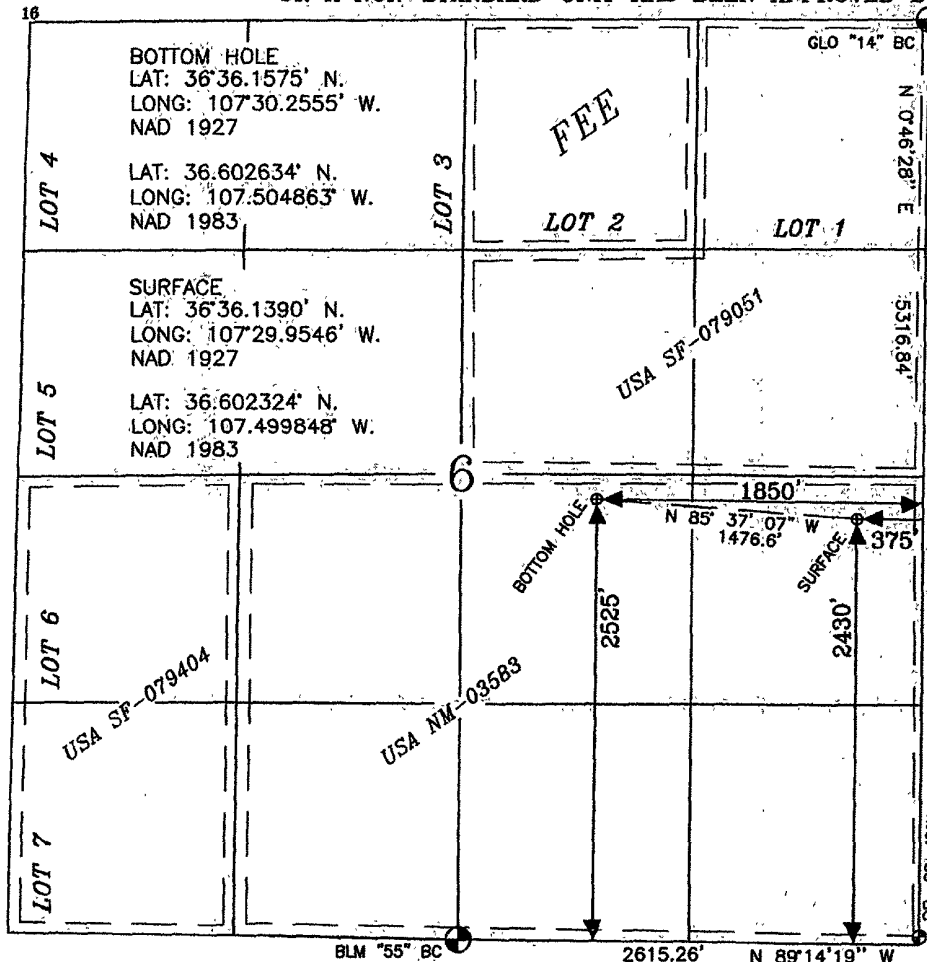
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	6	27-N	6-W		2430'	SOUTH	375'	EAST	RIO ARRIBA

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	6	27-N	6-W		2525'	SOUTH	1850'	EAST	RIO ARriba

¹² Dedicated Acres DK 317.12 ACRES S/2 MV 320.48 ACRES E/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



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 pooling agreement in which it has a working interest or a working interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

Signature Crystal Tafoya 5/16/08
 Printed Name Crystal Tafoya 5-16-08

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.

5-15-08
Date of Survey W. RUSS

Signature and Seal of Professional Surveyor:

Certificate Number

15703

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.RFE.PD08.09

WELL NAME

SAN JUAN 28 - 6 # 135 N

DATE

5/19/2008

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC

TNSHP

RANGE

LATITUDE

LONGITUDE

16

27 N

6 W

36.602634 N

107.504863 W

COUNTY

RIO ARRIBA

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

(12/4)

X

X

8

250

JEMEZ

.5 MILES

COMMENTS

1 PHASE JEMEZ PRIMARY .5 MILES

NO PIPELINES CLOSE

SANDSTONE

INSTALL SINGLE WELL SOLAR SYSTEM

WELL NAME	SAN JUAN 28 - 6 # 135 N
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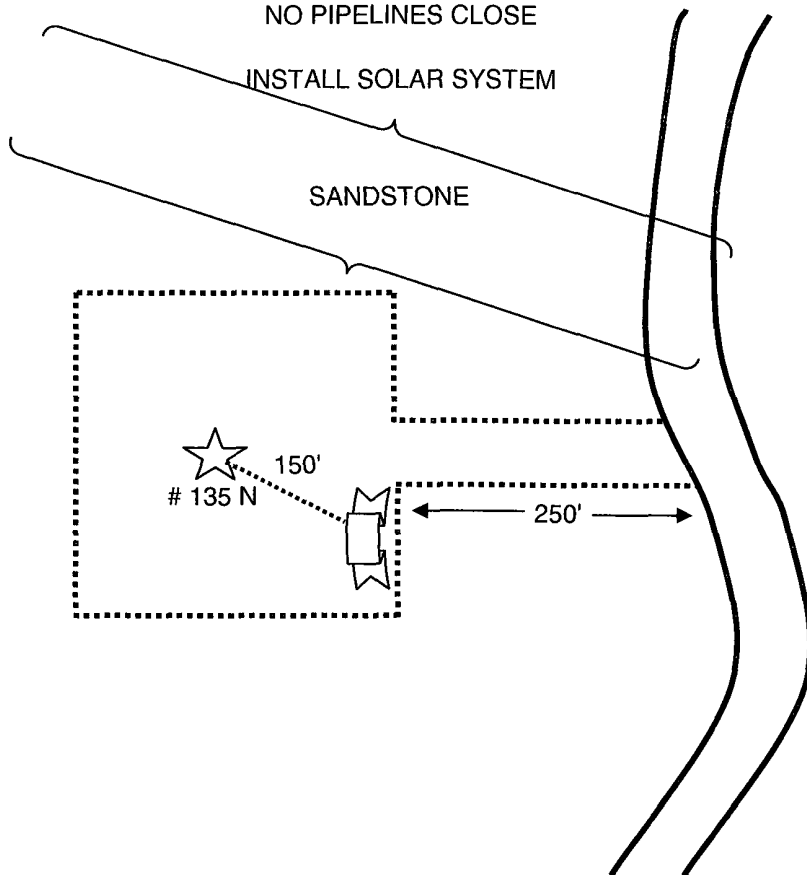


1 PHASE JEMEZ PRIMARY - .5 MILES

NO PIPELINES CLOSE

INSTALL SOLAR SYSTEM

SANDSTONE



TANK



SEP OR
DEHY



SOLAR



METER POLE



PUMP
JACK



GND/BED EXISTING CABLE



RECT



PIT



WELL



proposed
solar/gb



PROPOSED CABLE



FOREIGN PL



POWER LINE



CONOCO PL



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 135N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8009				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Johnson, David		Phone: +1 505-324-6169		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: 36.602316	Longitude: -107.499243	X:	Y:	Section: 06		Range: 006W	
Footage X: 375 FEL	Footage Y: 2430 FSL	Elevation: 6604 (FT)		Township: 027N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.602626	Longitude: -107.504258	X:	Y:	Section: 06		Range: 006W	
Footage X: 1850 FEL	Footage Y: 2525 FSL	Elevation:		(FT) Township: 027N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6619 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6419	☐			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	2518	4101	☐				
KIRTLAND	2668	3951	☐				
FRUITLAND	2899	3720	☐			Possible Gas	
PICTURED CLIFFS	3282	3337	☐				
LEWIS	3452	3167	☐				
HUERFANITO BENTONITE	3846	2773	☐				
CHACRA	4242	2377	☐				
Intermediate Casing	4550	2069	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1091 cuft. Circulate cement to surface.	
UPPER CLIFF HOUSE	4906	1713	☐			Gas	
MASSIVE CLIFF HOUSE	4944	1675	☐	549		Gas	
MENEFEE	5089	1530	☐				
POINT LOOKOUT	5499	1120	☐				
MANCOS	5929	690	☐				
GALLUP	6695	-76	☐				
GREENHORN	7447	-828	☐				
GRANEROS	7512	-893	☐				
TWO WELLS	7552	-933	☐	1900		Gas	
PAGUATE	7630	-1011	☐				
CUBERO	7666	-1047	☐				
LOWER CUBERO	7702	-1083	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 135N

DEVELOPMENT

Total Depth	7771	-1152	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80/N-80, LTC casing. Cement w/ 441 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7771	-1152	☐	TD - Top of Encinal

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 28-6 134M	27N-6W5 SW SW NW
Production	SJ 28-6 186	27N-6W6 NW SE NE
Production	SJ 28-6 135M	27N-6W6 NE SE
Production	SJ 28-6 135	27N-6W6 NW SE SW

Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Cased Hole GR / CBL

Mudlog from 100' above Greenhorn to TD - mudlogger will call TD

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #135N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6619.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6619.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #135N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,658.9	2,518.0	Ojo		0.00	
2,824.3	2,668.0	Kirtland		0.00	
3,079.1	2,899.0	Fruitland		0.00	
3,501.5	3,282.0	Pictured Cliffs		0.00	
3,689.0	3,452.0	Lewis		0.00	
4,122.1	3,846.0	Huerfano Bentonite		0.00	
4,533.8	4,242.0	Chacra		0.00	
5,199.1	4,906.0	Upper Cliffhouse		0.00	
5,237.1	4,944.0	Mass. Cliffhouse		0.00	
5,382.1	5,089.0	Menefee		0.00	
5,792.1	5,499.0	Point Lookout		0.00	
6,222.1	5,929.0	Mancos		0.00	
6,988.1	6,695.0	Upper Gallup		0.00	
7,740.1	7,447.0	Greenhorn		0.00	
7,805.1	7,512.0	Graneros		0.00	
7,845.1	7,552.0	Two Wells		0.00	
7,923.1	7,630.0	Paguate		0.00	
7,959.1	7,666.0	Upper Cubero		0.00	0.00
7,995.1	7,702.0	Lower Cubero		0.00	0.00
8,064.1	7,771.0	Encinal		0.00	

Directions from the Post Office
in Blanco, NM

to

Burlington Resources Oil & Gas Company LP

SAN JUAN 28-6 UNIT 135N

2430' FSL & 375' FEL,

Section 6, T27N, R6W, N.M.P.M., Rio Arriba County,

New Mexico

Latitude: 36° 36' 08.36" N

Longitude: 107° 29' 59.45" W

Nad 83

From the Post Office in Blanco, NM

Take Highway 64 East for 22.8 miles

turn right (southerly) for 3.4 miles,

stay right @ Y-Intersection (southwesterly) for 2.1 miles,

continue through intersection (southwesterly) 1.3 miles

turn left @ y-intersec (southwesterly) 2.8 miles,

to the beginning of new access on right side of road,

proceed (westerly) 246.24' to the newly staked location.