

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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 SF-079365 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
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name San Juan 28-6 Unit 9. Well Number #181N
4. Location of Well Surf: Unit G (SWNE), 1685' FNL & 2620' FEL Surf: Latitude 36.576801 N. Longitude 107.436514 W.		10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 14, T27N, R6W API # 30-039-30627
14. Distance in Miles from Nearest Town 41 Miles/Blanco, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 2620'	17. Acres Assigned to Well DM MV 320.00 (E/2) DK 320.00 W/2	
16. Acres in Lease 1720.000		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 860+ from San Juan 28-6 Unit 428/Fruitland Coal	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 7709'	22. Approx. Date Work will Start	
21. Elevations (DF, FT, GR, Etc.) 6484' GL		
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)		Date <u>12/19/08</u>

PERMIT NO. APPROVAL DATE
APPROVED BY [Signature] TITLE RTM DATE 1/6/09

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

JAN 08 2009

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

NMOC

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

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

RECEIVED

DEC 22 2008

DISTRICT I
1626 N. French Dr., Hobbs, N.M. 88240
DISTRICT II
1301 W. 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, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
Bureau of Land Management
Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30627		² Pool Code 71599/72319		BASIN DAKOTA/MESA VERDE		³ Pool Name BLANCO	
⁴ Property Code 7462		⁵ Property Name SAN JUAN 28-6 UNIT				⁶ Well Number 18IN	
⁷ OGRD No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.				⁹ Elevation 6484	

¹⁰ Surface Location

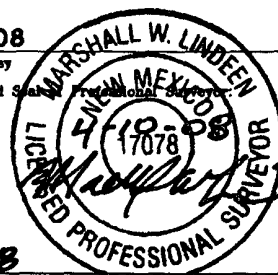
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	14	27 N	6 W		1685	NORTH	2620	EAST	RIO ARriba

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
G									

¹² Dedicated Acres 320 (E/2) <i>N 1/2</i>	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

¹⁶ S 89°31' W (R) 2581.92' (R) 5183.64' (R)	NAD 83 LAT: 36.576801° N LONG: 107.436514° W NAD 27 LAT: 36°34.6075' N LONG: 107°26.1547' W	S 88°53'11" W 2645.87' 1685'	2620'	FLORIPA LABATO	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 unless 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. <i>Crystal Walker</i> 4/15/08 Signature / Date Crystal Walker 4-15-08 Printed Name			
						SECTION 14	USA SF-079365	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. 3/12/08 Date of Survey Signature and Seal  17078 Certificate Number
N 0°41' E (R) S 89°47' W (R)								

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.RFE.PD08

WELL NAME

SAN JUAN 28 - 6 # 181 N

DATE

4/11/2008

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES**SEC****TNSHP****RANGE****LATITUDE****LONGITUDE**

G 14

27 N

6 W

36 34.6075 N

107 26.1547 W

COUNTY

RIO ARRIBA

RECTIFIER

SIZE

NEEDED

EXISTING

1 PHASE

3 PHASE

30/12

X

SOLARGROUND BED

X

240 V METER POLE480 V METER POLED C CABLES

8

200'

A C CABLES

8

2100'

PRIMARY POWERDISTANCE TO POWER

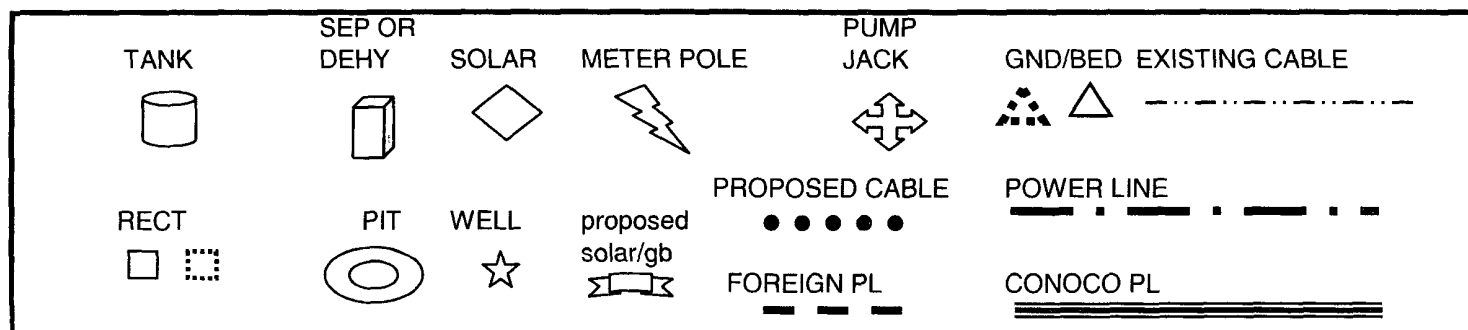
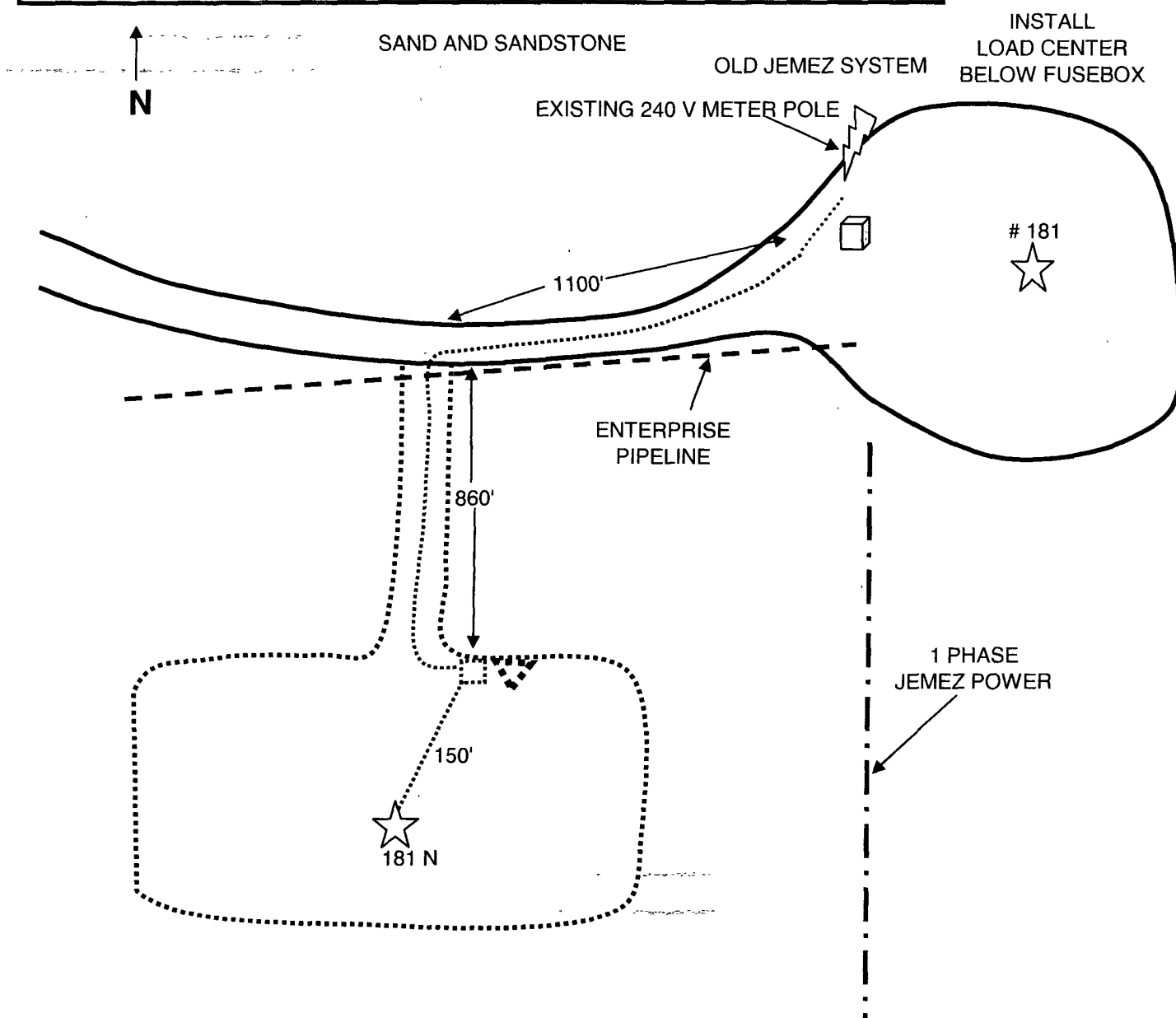
1200 FT

UNDERGROUNDPUMPJACKWATER PUMP**COMMENTS**

INSTALL LOAD CENTER BELOW FUSE BOX - PLOW UGAC TO LOC 2000 FT -

INSTALL RECTIFIER SYSTEM - SAND & SANDSTONE

WELL NAME	SAN JUAN 28 - 6 # 181 N
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 181N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8068		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
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: 36.576792	Longitude: -107.435911	X:	Y:	Section: 14	Range: 006W
Footage X: 2620 FEL	Footage Y: 1685 FNL	Elevation: 6484	(FT)	Township: 027N	
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6496	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6296	<input type="checkbox"/>			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	2478	4018	<input type="checkbox"/>			
KIRTLAND	2681	3815	<input type="checkbox"/>			
FRUITLAND	2920	3576	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3236	3260	<input type="checkbox"/>			
LEWIS	3363	3133	<input type="checkbox"/>			
Intermediate Casing	3463	3033	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 780 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3695	2801	<input type="checkbox"/>			
CHACRA	4177	2319	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	4870	1626	<input type="checkbox"/>	539		Gas
MENEFEE	5010	1486	<input type="checkbox"/>			
POINT LOOKOUT	5410	1086	<input type="checkbox"/>			
MANCOS	5882	614	<input type="checkbox"/>			
GALLUP	6573	-77	<input type="checkbox"/>			
GREENHORN	7328	-832	<input type="checkbox"/>			
GRANEROS	7393	-897	<input type="checkbox"/>			
TWO WELLS	7431	-935	<input type="checkbox"/>	2750		Gas
CUBERO	7544	-1048	<input type="checkbox"/>			
LOWER CUBERO	7582	-1086	<input type="checkbox"/>			
ENCINAL	7669	-1173	<input type="checkbox"/>			
BURRO CANYON	7709	-1213	<input type="checkbox"/>			
Total Depth	7709	-1213	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 578 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	Rincon 146	T27N R06W Sec 23 (BRCN present)

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 181N

DEVELOPMENT

Production	SJ 28-6 #181M	
Production	SJ 28-6 #181	

Logging Program:

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

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

GR_CBL. Mudlogger begin 100' above Greenhorn. Mudlogger call TD. Burro Canyon prospect. TD at top of BRCN. Bott perf 10' above TD. Might have to Mud up. Possible logging opportunity for RAM geo for BRCN data.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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BURLINGTON RESOURCES OIL & GAS COMPANY LP.

SAN JUAN 28-6 UNIT 181N

1685' FNL & 2620' FEL

LATITUDE: 36.576801° N

LONGITUDE: 107.436514° W

NAD 83

SECTION 14, T-27-N, R-6-W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO

FROM THE INTERSECTION OF U.S. HIGHWAY 64 AND NORTH FIRST STREET
IN BLOOMFIELD, NEW MEXICO.

TRAVEL EASTERLY ON U.S. HIGHWAY 64 FOR 36.5 MILES.

TURN RIGHT ONTO GENERAL AMERICAN ROAD AND

PROCEED SOUTHERLY 5.7 MILES.

TURN RIGHT AND TRAVEL SOUTHWESTERLY 4.3 MILES

THROUGH MUNOZ CANYON.

AT A FOUR WAY INTERSECTION, CONTINUE SOUTHWESTERLY

CROSSING CARRIZO WASH WHILE APPROACHING COUNTY ROAD 492.

TURN LEFT ONTO COUNTY ROAD 492 AND TRAVEL 2.1 MILES

THROUGH MARTINEZ CANYON.

TURN LEFT AND TRAVEL NORTHEASTERLY 0.8 MILE; STAY TO THE LEFT.

TURN RIGHT AND TRAVEL EASTERLY 0.9 MILE TO THE PROPOSED SITE.