

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 06 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Bureau of Land Management  
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number NM-02805 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator <b>BURLINGTON</b> 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	
4. Location of Well Location: Unit B (NWNE) 1250' FNL & 2245' FEL,  Latitude 36.66510'N Longitude 107.43519'W	9. Well Number #101N  10. Field, Pool, Wildcat Basin DK / Blanco MV  11. Sec., Twn, Rge, Mer. (NMPM) B Sec. 14, T28N, R06W API # 30-039- <b>30639</b>	
14. Distance in Miles from Nearest Town 10 miles from Gobernador, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 390'	17. Acres Assigned to Well MV/DK 320 (E/2)	
16. Acres in Lease <del>2560.42</del> Acres <b>640.00</b>		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1300' from the SJ 28-6 #5 (MV)		
19. Proposed Depth 7735'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6413' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Patsy Clugston</i> Patsy Clugston (Sr. Regulatory Specialist)	1/6/09 Date	

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.

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

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

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

JAN 21 2009

NMOCD

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

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

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

JAN 06 2009 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT  
Bureau of Land Management  
Field Office

*API Number 30-039-306039	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7462	*Property Name SAN JUAN 28-6 UNIT	*Well Number 101N
*GRID No 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 6413'

10 Surface Location

U. or lot no. B	Section 14	Township 28N	Range 6W	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
					1250	NORTH	2245	EAST	RIO ARriba

11 Bottom Hole Location If Different From Surface

U. or lot no. B	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320.0 Acres - E/2 (MV) 320.0 Acres - E/2 (DK)					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

16	<p>5269.44'</p> <p>LAT: 36°39.9056'N LONG: 107°26.0754'W DATUM: NAD27</p> <p>5280.00'</p> <p>14</p> <p>5277.36'</p> <p>LEASE USA NM-02805</p>	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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <p><i>Patsy Clugston</i> 1/6/09 Signature Date Patsy Clugston Printed Name</p>	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: JULY 24, 2008 Signature and Seal of Professional Surveyor <p><i>Jason C. Edwards</i> JASON C. EDWARDS Certificate Number 15269</p>
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**COMPANY**

BURLINGTON RESOURCES

**Charge Code**

WAN.RFE.PD07.KY

**WELL NAME**

SAN JUAN 28 - 6 # 101 N

**DATE**

4/16/2008

**DUAL WELL**

WELL NAME

**TRIPLE WELL**

WELL NAME

**COORDINATES**

**SEC TNSHP RANGE**

B 14 28 N 6 W

**LATITUDE**

36 39' 58.02" N

**LONGITUDE**

107 26' 01.35 " 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
30/12	X			
	X			
# 8	200'			
# 8	400 ft			
			JEMEZ	
			800'	

**COMMENTS**

install load center at entrance road and existing 240 V ugac - plow to loc 360 ft -

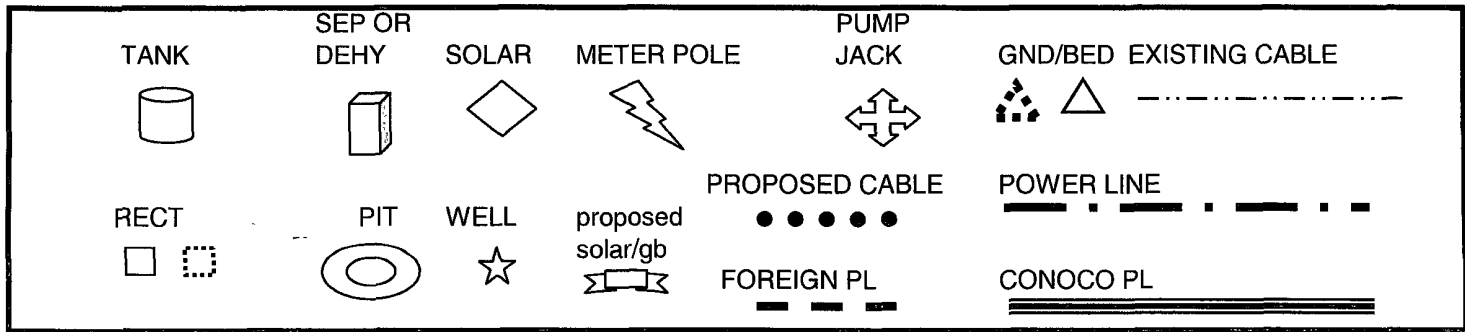
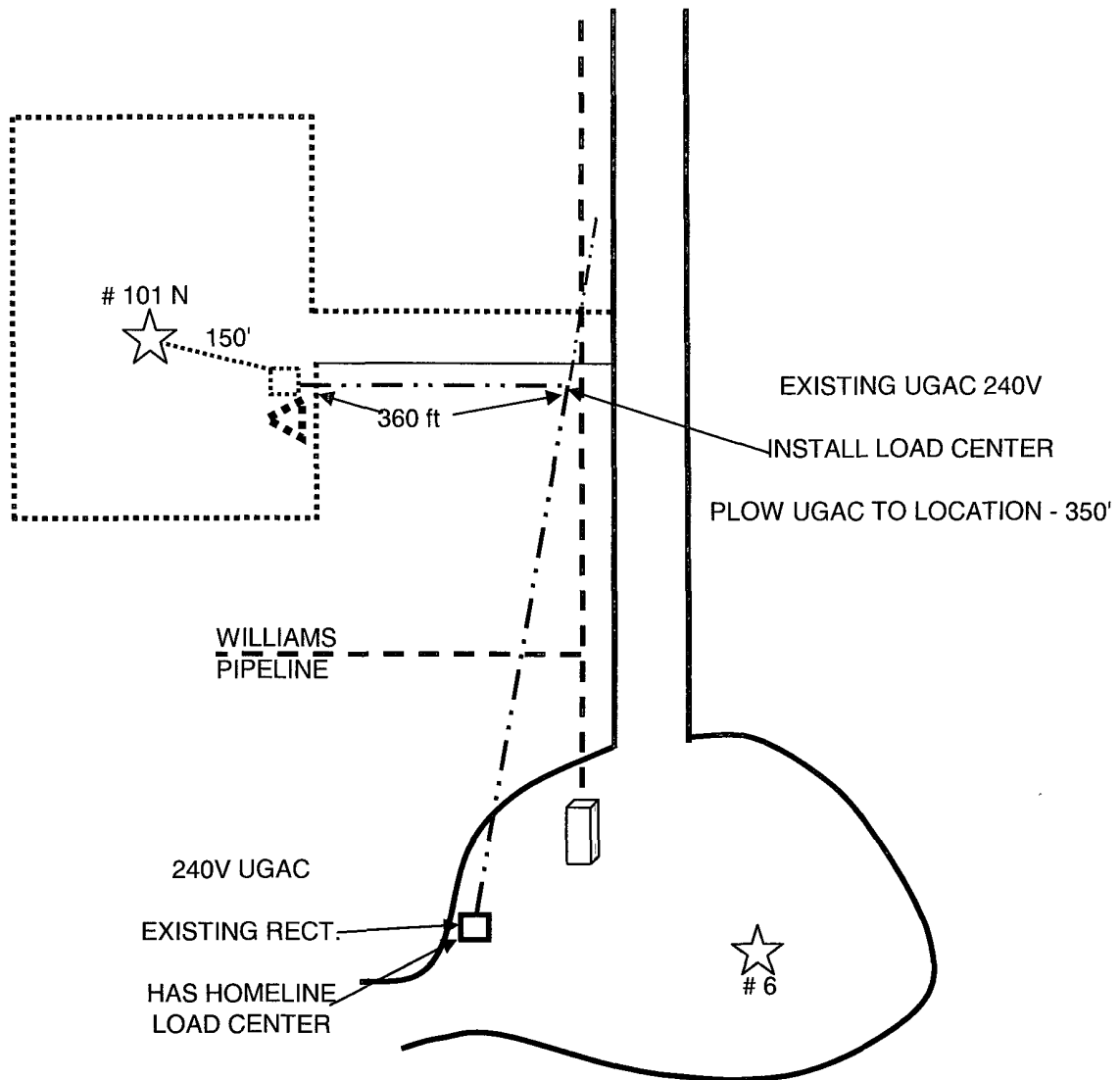
install rectifier system - sand & sandstone - 1 phase Jemez power 800 ft

WELL NAME
**SAN JUAN 28 - 6 # 101 N**



SAND AND SANDSTONE

1 PHASE JEMEZ POWER - 800'



# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 101N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7458		AFE \$:	
Field Name: hBR_SAN JUAN 28-6 UNIT		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
R20076	DAKOTA(R20076)
R20002	MESAVERDE(R20002)

## Location: Surface Datum Code: NAD 27

Latitude: 36.665092	Longitude: -107.434587	X:	Y:	Section: 14	Range: 006W
Footage X: 2245 FEL	Footage Y: 1250 FNL	Elevation: 6413	(FT)	Township: 028N	

Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6429 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6229	<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	2557	3872	<input type="checkbox"/>			
KIRTLAND	2653	3776	<input type="checkbox"/>			
FRUITLAND	2913	3516	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3301	3128	<input type="checkbox"/>			
LEWIS	3390	3039	<input type="checkbox"/>			
Intermediate Casing	3540	2889	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 798 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3902	2527	<input type="checkbox"/>			
CHACRA	4247	2182	<input type="checkbox"/>			Est. Top Perf - 4249 (2180)
UPPER CLIFF HOUSE	4958	1471	<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	5048	1381	<input type="checkbox"/>	603		Gas
MENEFEE	5117	1312	<input type="checkbox"/>			
POINT LOOKOUT	5428	1001	<input type="checkbox"/>			
MANCOS	5954	475	<input type="checkbox"/>			
UPPER GALLUP	6671	-242	<input type="checkbox"/>			
GREENHORN	7411	-982	<input type="checkbox"/>			
GRANEROS	7475	-1046	<input type="checkbox"/>			
TWO WELLS	7525	-1096	<input type="checkbox"/>	2478		Gas
PAGUATE	7595	-1166	<input type="checkbox"/>			
UPPER CUBERO	7613	-1184	<input type="checkbox"/>			
LOWER CUBERO	7657	-1228	<input type="checkbox"/>			Est. Btm Perf - 7720 (-1291) based on offset wells
ENCINAL	7735	-1306	<input type="checkbox"/>			TD - T/ENCN
Total Depth	7735	-1306	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 571 cuft. Circulate cement a minimum of 100' inside the previous casing string.

## Reference Wells:

Reference Type	Well Name	Comments
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# PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 101N

DEVELOPMENT

Production	SJ 28-6 1-14	28N-6W14 SW NE NE
Production	SJ 28-6 137N	28N-6W14 NE NW SW
Production	SJ 28-6 101M	28N-6W14 NE NE SE
Production	SJ 28-6 101	28N-6W14 SE NE

**Logging Program:**

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

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

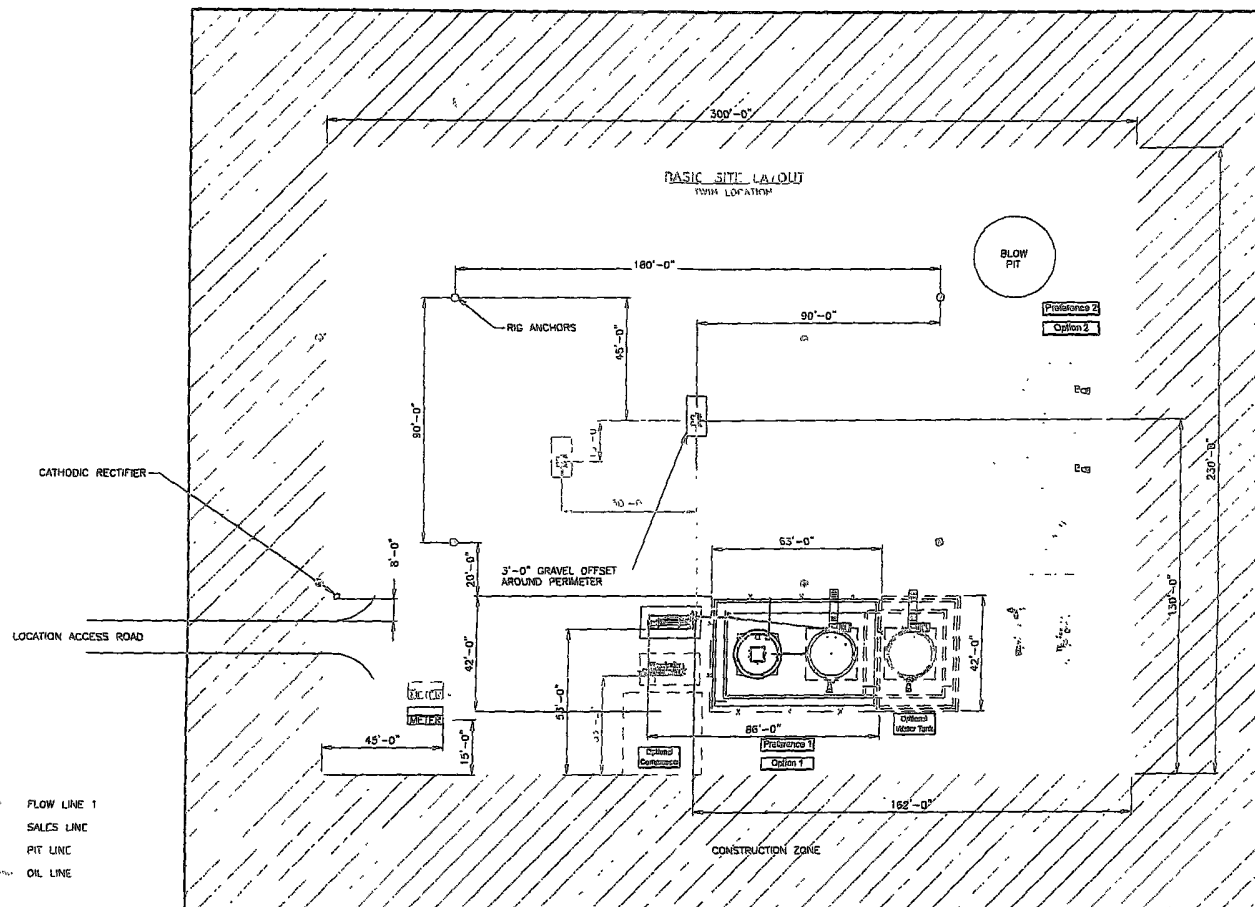
Cased Hole GR / CBL

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

Comments: Location/Tops/Logging - MV/DKNM028N006W14NE2 Avoid A & H, prefer B,G.

Zones - MV/DKNM028N006W14NE2

General/Work Description - Include Lewis 4/15/08 EML(wfp)



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

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS		CenocoPhillips			CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT		
DESCRIPTION										NO		SAN JUAN BUSINESS UNIT			CLIENT FILE		
DATE										DATE		SCALE			APPROVAL		
BY										DATE		APPROVAL			APPROVAL		
CHK'D										DATE		APPROVAL			APPROVAL		
ENR										DATE		APPROVAL			APPROVAL		
DISC										DATE		APPROVAL			APPROVAL		
PMU										DATE		APPROVAL			APPROVAL		
PROJECT										DATE		APPROVAL			APPROVAL		
PROJECT										DATE		APPROVAL			APPROVAL		

HP3PHASE SAN JUAN BUSINESS UNIT Location Site Layout, 06/28/2007 - 02:49pm

**Directions from the Intersection of US Hwy 550 South & US Hwy 64 in Bloomfield, NM**

**to Burlington Resources Oil & Gas Company San Juan 28-6 Unit #101N**

**1250' FNL & 2245' FEL, Section 14, T28N, R6W, N.M.P.M., Rio Arriba County, NM**

**Latitude: 36.66510°N Longitude: 107.43519°W Datum: NAD1983**

From the intersection of US Hwy 550 South & US Hwy 64 in Bloomfield, NM, travel Easterly on US Hwy 64 for 31.9 miles to the San Juan 29-6 Water Well #1 @ Mile-post 96.3;

Go right (South-easterly) on Trunk-L Road for 3.2 miles to fork in road;

Go left (North-easterly) for 0.2 miles to new access on right-hand side of existing roadway which continues for 43.9' to staked location.