

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 15 2008

Bureau of Land Management  
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-079050-A Unit Reporting Number NMNM-78412C-DK NMNM-78412A-MV	
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 9. Well Number #102P	
4. Location of Well Surf: Unit A(NENE), 820' FNL & 290' FEL  Surf: Latitude 36.637283 N Longitude 107.428531 W	10. Field, Pool, Wildcat Basin DK/Blanco MV  11. Sec., Twn, Rge, Mer. (NMPM) A Sec. 26, T28N, R6W  API # 30-039-30532	
14. Distance in Miles from Nearest Town 39 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 290'	17. Acres Assigned to Well 320.00 (E/2) - DK/MV	
16. Acres in Lease 320.00	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 916' from San Juan 28-6 Unit #434 FC	
19. Proposed Depth 7941'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6676' GR	22. Approx. Date Work Will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	
		Date <u>5-14-08</u>

PERMIT NO.                      APPROVAL DATE                       
APPROVED BY [Signature] TITLE AFM DATE 12/18/08

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

JAN 05 2009

NMOCDB

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

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

**RECEIVED**

State of New Mexico  
Energy, Minerals & Natural Resources Department **1 5 2008** Revised October 12, 2005  
OIL CONSERVATION DIVISION Submit to Appropriate District Office  
1220 South St. Francis Dr. Bureau of Land Management State Lease - 7 Copies  
Santa Fe, NM 87505 Farmington Field Office Fee Lease - 3 Copies

☐ AMENDED REPORT


### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number <b>30-039-30532</b>	2 Pool Code <b>72319/71599</b>	3 Pool Name BASIN <b>BLANCO MESAVERDE / DAKOTA</b>
4 Property Code <b>7462</b>	5 Property Name <b>SAN JUAN 28-6 UNIT</b>	
7 OGRID No. <b>14538</b>	8 Operator Name <b>BURLINGTON RESOURCES OIL &amp; GAS COMPANY LP</b>	
		6 Well Number <b>102P</b>
		9 Elevation <b>6676</b>

10 SURFACE LOCATION									
UL or lot no. <b>A</b>	Section <b>26</b>	Township <b>28-N</b>	Range <b>6-W</b>	Lot Idn	Feet from the <b>820</b>	North/South line <b>NORTH</b>	Feet from the <b>290</b>	East/West line <b>EAST</b>	County <b>RIO ARriba</b>

11 Bottom Hole Location If Different From Surface									
UL or lot no. <b>A</b>	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres <b>320 (E/2)</b> 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 N 89°47'12" E N 89°55'00" W	<b>WELL FLAG</b> <b>NAD 83</b> <b>LAT: 36.637283° N</b> <b>LONG: 107.428531° W</b>  <b>NAD 27</b> <b>LAT: 36°38.236505' N</b> <b>LONG: 107°25.675644' W</b>	5276.7' (M) 5277.4' (R) 820' 290' 2640.0' (R) (M) 2645.2' 2645.2' W N 0°01'00" W N 0°05'34" W	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. <i>Crystal Walker</i> 5/12/08 Signature <b>Crystal Walker</b> Printed Name <b>Regulatory Technician</b> Title and E-mail Address <b>May 12th, 2008</b> Date
	<b>NE/4 DEDICATED ACREAGE</b> <b>USA SF-079050-A</b>		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: 12/19/07 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393
	<b>SE/4 DEDICATED ACREAGE</b> <b>USA SF-079050-B</b> <b>SECTION 26,</b> <b>T-28-N, R-6-W</b>		

**COMPANY**

BURLINGTON

**Charge Code**

WAN.RFE.PD07.LP

**WELL NAME**

SAN JUAN 28 - 6 # 102 P

**DATE**

1/4/2008

**DUAL WELL**

WELL NAME

**TRIPLE WELL**

WELL NAME

**COORDINATES**

**SEC**

**TNSHP**

**RANGE**

**LATITUDE**

**LONGITUDE**

A 26

28 N

6 W

36.637283 N

107.428531 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

COMPRESSOR

RTU

SAMS

TANKS

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
# 8	200 ft			
# 8	1150 ft			
			Jemez	
			1 phase	
			1/2 mile	
	1100 ft			

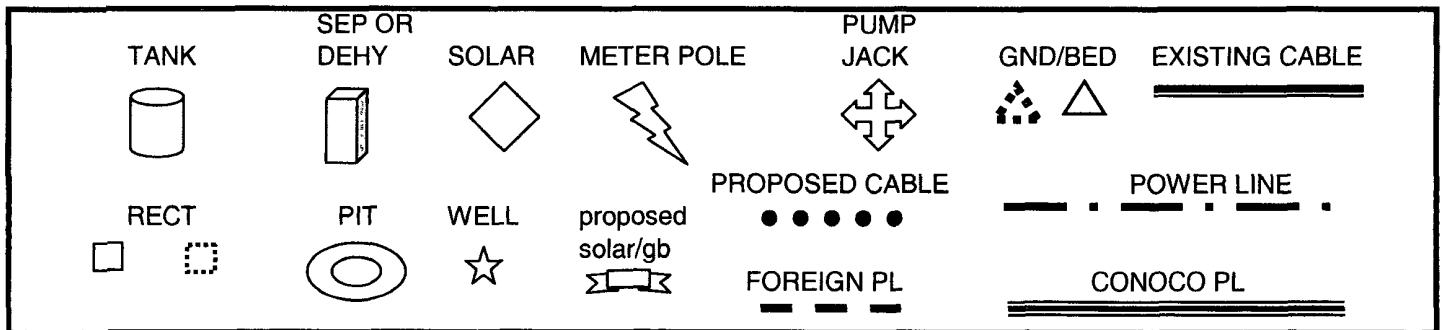
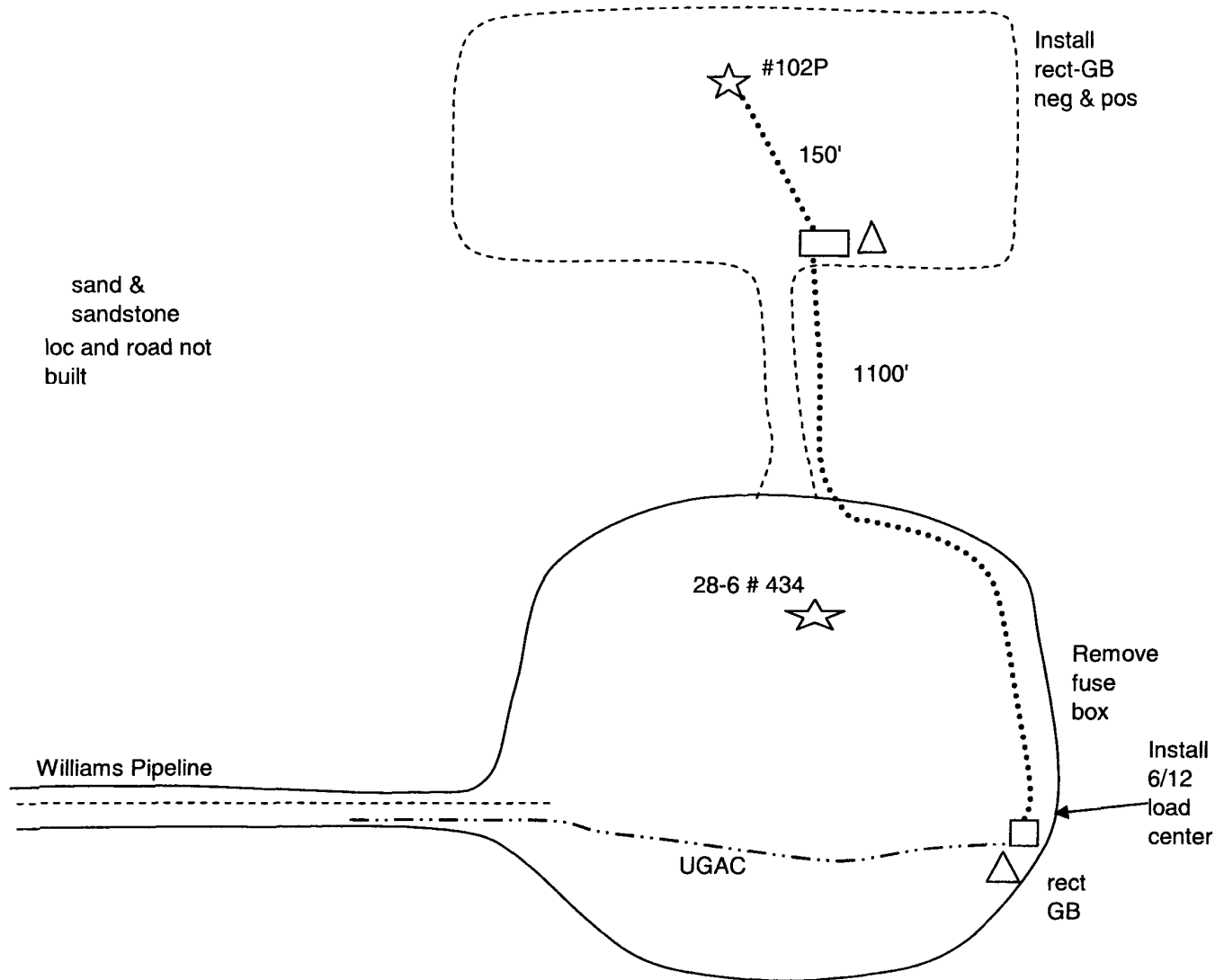
**COMMENTS**

Install load center at well # 434 - plow 1100 ft ac to loc - install rectifier system  
sandy soil

WELL NAME



## San Juan 28-6 # 102 P



## **BURLINGTON RESOURCES OIL AND GAS COMPANY LP**

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**SAN JUAN 28-6 UNIT #102P**

**820' FNL, 290' FEL**

**SECTION 26, T-28-N, R-6-W, N.M.P.M.,**

**RIO ARriba COUNTY, NEW MEXICO**

**NAD 83 LAT.: 36.637283°N LONG.: 107.428531° W**

**ELEV.: 6676 NAVD88**

**NEW ACCESS ROAD 1066.4'**

### **DRIVING DIRECTIONS TO BROG SAN JUAN 28-6 UNIT #102P.**

**DRIVING DIRECTIONS START FROM BLOOMFIELD, N.M. AT  
INTERSECTION OF HWY. 64 AND HWY. 550.**

- **GO 31.7 MI. EAST ON HWY. 64 AT MILE MARKER 96.2.  
TURN RIGHT ON C.R. 495 BY 29-6 WATER HOLE.**
- **GO 3.4 MI. SOUTH EAST ON C.R. 495. TURN RIGHT AT  
FORK IN ROAD.**
- **GO 1.6 MI. TURN LEFT TO THE EAST.**
- **GO 300 FT. TO BROG S.J. 28-6 UNIT #434 F.C. WELL  
LOCATION. NEW ACCESS BEGINS NORTH OF THE WELL  
PAD GOING EAST.**

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 102P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7474		AFE \$:	
Field Name: hBR_SAN JUAN 28-6 UNIT		Rig: Aztec Rig 301		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 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: 36.637275	Longitude: -107.427928	X:	Y:	Section: 26	Range: 006W
Footage X: 290 FEL	Footage Y: 820 FNL	Elevation: 6676	(FT)	Township: 028N	
Tolerance:					

Location Type: Year Round Start Date (Est.): 1/1/2008 Completion Date: Date In Operation:

Formation Data: Assume KB = 6688 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6488	<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	2803	3885	<input type="checkbox"/>			
KIRTLAND	2877	3811	<input type="checkbox"/>			
FRUITLAND	3023	3665	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3469	3219	<input type="checkbox"/>			
LEWIS	3673	3015	<input type="checkbox"/>			
Intermediate Casing	3773	2915	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 850 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4084	2604	<input type="checkbox"/>			
CHACRA	4431	2257	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5222	1466	<input type="checkbox"/>	683		Gas
MENEFEE	5304	1384	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	5656	1032	<input type="checkbox"/>			
MANCOS	5956	732	<input type="checkbox"/>			
UPPER GALLUP	6873	-185	<input type="checkbox"/>			
GREENHORN	7611	-923	<input type="checkbox"/>			
GRANEROS	7677	-989	<input type="checkbox"/>			
TWO WELLS	7715	-1027	<input type="checkbox"/>	2320		Gas
UPPER CUBERO	7818	-1130	<input type="checkbox"/>			
LOWER CUBERO	7859	-1171	<input type="checkbox"/>			
Total Depth	7941	-1253	<input type="checkbox"/>			
ENCINAL	7941	-1253	<input type="checkbox"/>			6 1/4" hole. 4 1/2" 10.5 ST&C / 11.6 ppf LT&C J-55 csg. Cement with 568 cuft. to at least 100-ft inside intermediate csg.

## Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 28-6 #152	
Production	SJ 28-6 # 102	

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 102P

DEVELOPMENT

## 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. TD at top of Encinal. Bottom Perf 15' above TD.

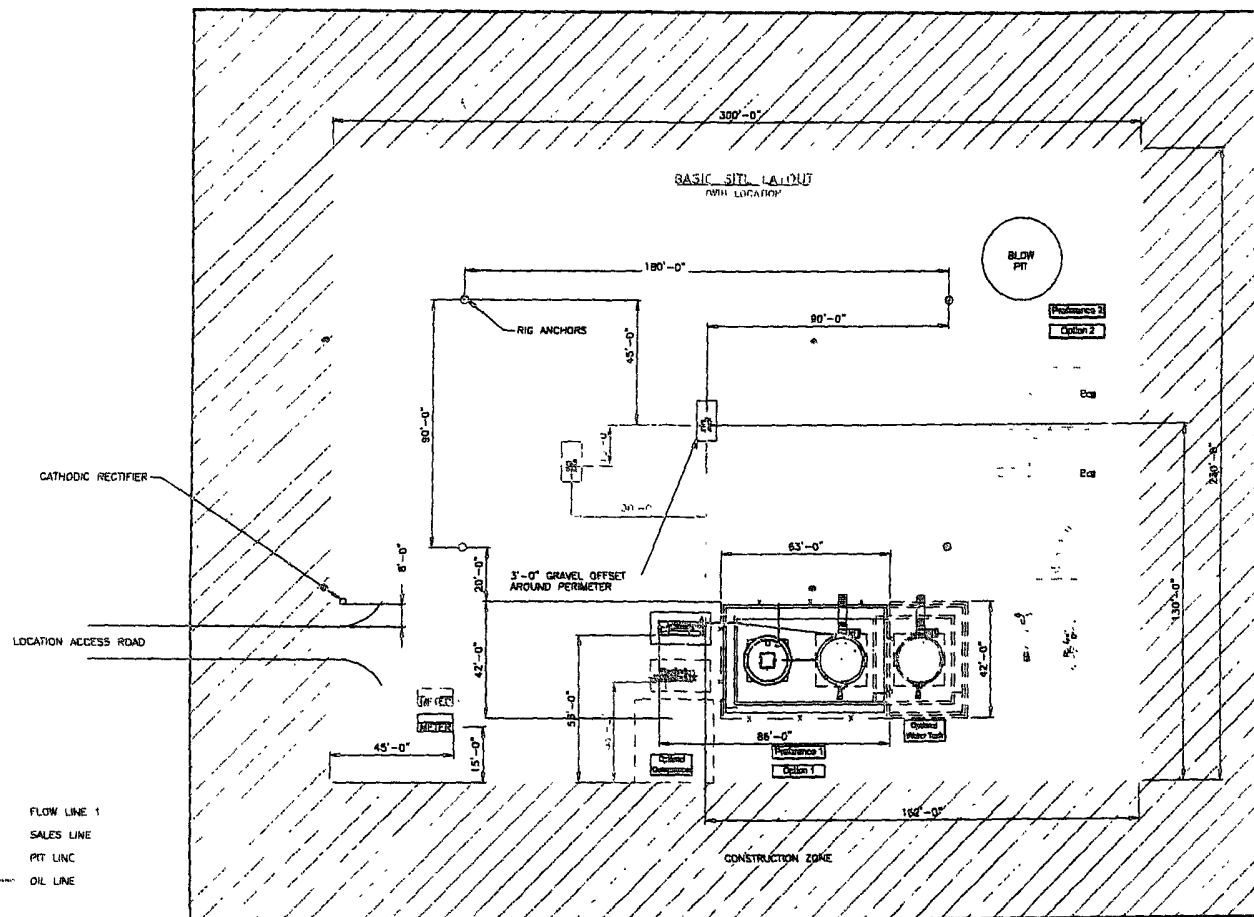
## Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MV/DKNM028N006W26NE2 Avoid H & G, do not twin, prefer A,B.

Zones - MV/DKNM028N006W26NE2

General/Work Description - LEWIS INCLUDED



SEE SHEET 2 & 3 FOR PIPING DETAILS  
ALL UNDERGROUND PIPING IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										CONOCO PHILLIPS		HIGH PRESSURE 3 PHASE		FACILITY DIAGRAM- SITE LAYOUT	
										SAN JUAN BUSINESS UNIT		CLIENT NAME:		APPRO. DATE:	
												CLIENT APPR.:		APPRO. DATE:	
												SCALE: DATE:		CONSTRUCTION DATE: 8/20/07	
												TOTAL PAGES:		SHEET NO.	
												HP3PHASE-REV1		1 OF 5	