

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 02 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-079547 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
4. Location of Well Surf: Unit H(ENE), 2260' FNL & 515' FEL Surf: Latitude 36.647829 N Longitude 107.429268 W	9. Well Number #138N 10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) H Sec. 23, T28N, R6W API # 30-039-30572
14. Distance in Miles from Nearest Town 36 miles/Bloomfield	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 515'	13. State NM
16. Acres in Lease 160.000 This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	17. Acres Assigned to Well 320.00 (E/2) - DK/MV DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1403' from San Juan 28-6 Unit #138 DK	
19. Proposed Depth 7860'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6578' 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)	Date <u>10/11/08</u>

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

NMOCD

OCT 22 2008

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30572		² Pool Code 71599/72319		³ Pool Name Basin DAKOTA/MESAVERDE Blanco	
⁴ Property Code 7462		⁵ Property Name SAN JUAN 28-6 UNIT			⁶ Well Number 138N
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 6578

¹⁰ SURFACE LOCATION

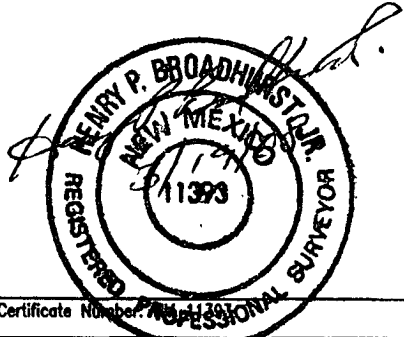
UL or lot no. H	Section 23	Township 28-N	Range 6-W	Lot Idn	Feet from the 2260	North/South line NORTH	Feet from the 515	East/West line EAST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. H	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320 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

¹⁶		S 89°46'28" W N 89°58'00" W	2640.0' (M) 2638.7' (R)	2260' 5280.0' (R) 5282.4' (M)	¹⁷ OPERATOR CERTIFICATION <i>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> <i>Jamie Goodwin</i> Signature <u>Jamie Goodwin</u> Printed Name Regulatory Tech. Title and E-mail Address 10/01/2008 Date	
		WELL FLAG NAD 83 LAT: 36.647829° N LONG: 107.429268° W NAD 27 LAT: 36°38.869241' N LONG: 107°25.719915' W				515'
		E/2 DEDICATED ACREAGE USA SF-079547 SECTION 23, T-28-N, R-6-W				
				N 0°01'00" W S 0°16'32" E	¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey: 12/17/07 Signature and Seal of Professional Surveyor:  Certificate Number: 11393	

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

Burlington		
WAN.RFE.PDO7.LM		
SAN JAUN 28 - 6 # 138 N	DATE	1/4/2008
WELL NAME		
WELL NAME		

COORDINATES

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
H 23	28 N	6 W	36.647829 N	107.429268 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

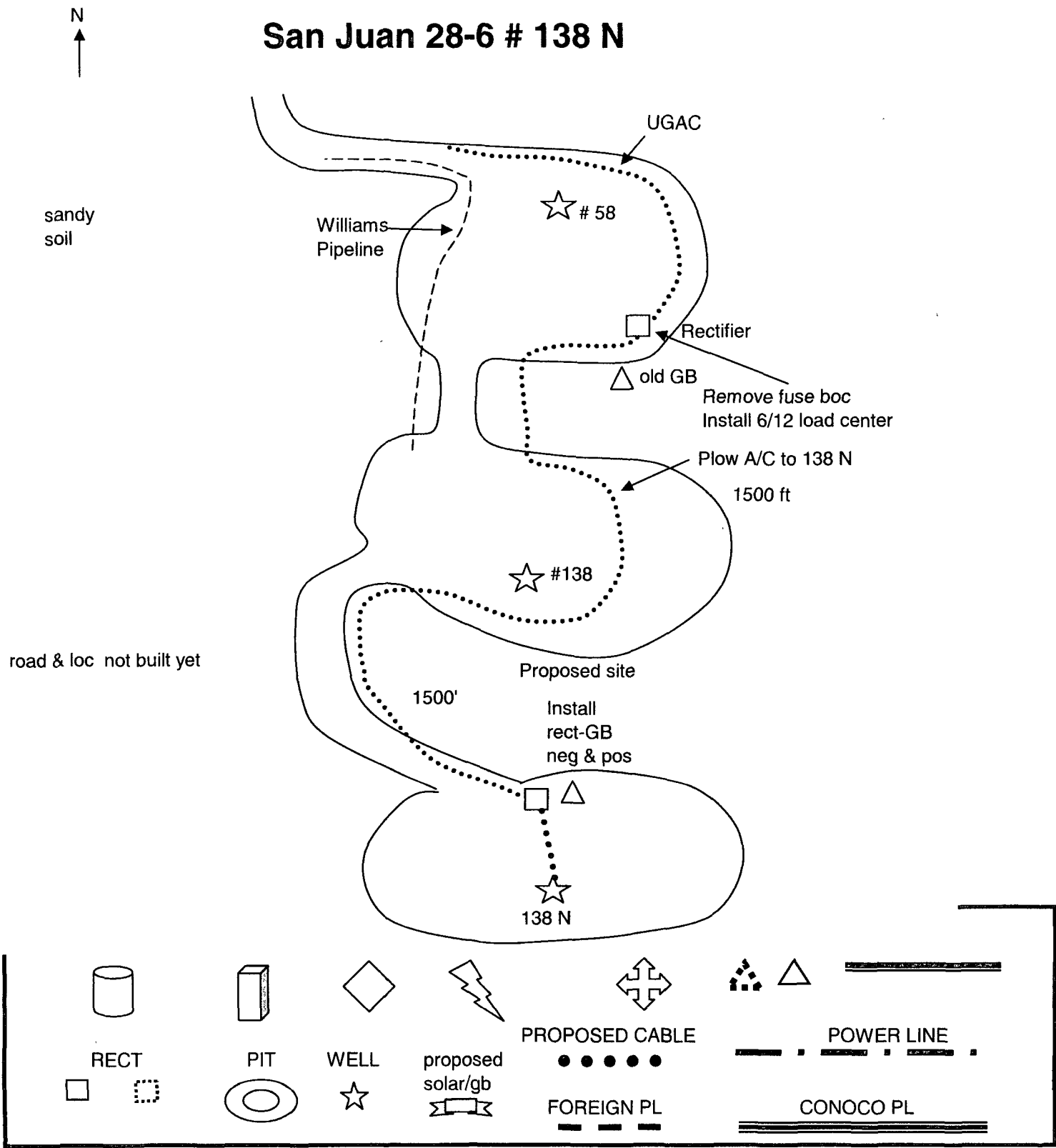
SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	x			
	x			
# 8	200 ft			
# 8	1500 ft			
			Jemez	
			1 phase	
			1/2 mile	
	1500 ft			

COMMENTS

replace fuse box with 6/12 load center at # 58 rectifier -- plow 1500 ft ac to new loc
install rectifier system
sandy soil

WELL NAME

San Juan 28-6 # 138 N



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 138N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7472		AFE \$:	
Field Name: hBR_SAN JUAN 28-6 UNIT		Rig: Aztec Rig 301		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
R20076	DAKOTA(R20076)
R20002	MESAVERDE(R20002)

Location: Datum Code: NAD 27

Latitude: 36.647821	Longitude: -107.428665	X:	Y:	Section: 23	Range: 006W
Footage X: 515 FEL	Footage Y: 2260 FNL	Elevation: 6578	(FT)	Township: 028N	
Tolerance:					

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

Formation Data: Assume KB = 6593 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6393	<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	2628	3965	<input type="checkbox"/>			
KIRTLAND	2795	3798	<input type="checkbox"/>			
FRUITLAND	3080	3513	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3413	3180	<input type="checkbox"/>			
LEWIS	3558	3035	<input type="checkbox"/>			
Intermediate Casing	3658	2935	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 824 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4019	2574	<input type="checkbox"/>			
CHACRA	4361	2232	<input type="checkbox"/>			
UPPER CLIFF HOUSE	5058	1535	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5159	1434	<input type="checkbox"/>	550		Gas
MENEFEE	5248	1345	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	5554	1039	<input type="checkbox"/>			
MANCOS	5969	624	<input type="checkbox"/>			
UPPER GALLUP	6603	-10	<input type="checkbox"/>			
GREENHORN	7542	-949	<input type="checkbox"/>			
GRANEROS	7601	-1008	<input type="checkbox"/>			
TWO WELLS	7647	-1054	<input type="checkbox"/>	2325		Gas
UPPER CUBERO	7747	-1154	<input type="checkbox"/>			
LOWER CUBERO	7788	-1195	<input type="checkbox"/>			Lower sand in CBRL continuous - contributes 7% to production.
OAK CANYON	7859	-1266	<input type="checkbox"/>			TD at top of Oak Canyon (5-10') thick - est bot perf 15' above T/OKCN
Total Depth	7860	-1267	<input type="checkbox"/>			
TOTAL DEPTH DK	7860	-1267	<input type="checkbox"/>			6 1/4" hole TD @ T/ OKCN. 4 1/2" csg. 10.5 / 11.6 ppf J-55 ST&C / LT&C. Cement with 572 cu-ft. Circulate cement to at least 100-ft inside previous csg. string.

Reference Wells:

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

San Juan Business Unit

SAN JUAN 28-6 UNIT 138N

DEVELOPMENT

Production	28-6 138	NE23-28N-6W
Production	28-6 99M	NW24-28N-6W
Production	28-6 152	SE24-28N-6W
Production	28-6 138M	SE23-28N-6W

Logging Program:

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

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

GR/CBL

NO OH or Mud logs

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 #138N
2260' FNL, 515' FEL
SECTION 23, T-28-N, R-6-W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
NAD 83 LAT.: 36.647829°N LONG.: 107.429268° W
ELEV.: 6578 NAVD88
NEW ACCESS ROAD 1519.1'**

DRIVING DIRECTIONS TO BROG SAN JUAN 28-6 UNIT 138N.

DRIVING DIRECTIONS START FROM BLOOMFIELD, N.M. ON HWY 64 AND 550.

- GO 31.7 MILES EAST ON HWY 64. TURN RIGHT ON C.R. 495, BY THE 29-6 WATER HOLE.(MILE POST 96.3)
- GO 3.4 MILES SOUTH EAST ON C.R. 495. TURN RIGHT AT FORK IN THE ROAD.
- GO 0.6 MILES SOUTH ON ROAD TOWARD RANCH. TURN LEFT ON WELL ACCESS ROAD.
- GO 0.2 MILES EAST TO EXISTING WELL PAD FOR SJ 28-6 UNIT 58 LOCATION.
- BEGIN 1520 FT. NEW ACCESS OFF SOUTH EDGE OF THIS LOCATION.