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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEC 01 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 NM SF- 079051 Unit Reporting Number NMNM78412C-DK/NMNM78412A-MV
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 F (SENW), 2410' FNL & 1745' FWL Surf: Latitude 36.603665 N Longitude 107.474876 W	9. Well Number #133M RCVD DEC 8 '08 OIL CONS. DIV. DIST. 3 10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 4, T27N, R6W API # 30-039-30590
14. Distance in Miles from Nearest Town 33.5 miles/Blanco	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 1745'	13. State NM
16. Acres in Lease 1753.380	17. Acres Assigned to Well DK 320.00 (N/2) MV 320.00 (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1140' from San Juan 28-6 Unit #167	
19. Proposed Depth 7887'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6448' 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>11/20/08</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 D. Mantecozo TITLE AFM DATE 12/5/08

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

NOTIFY AZTEC UCD 24 HRS.

PRIOR TO CASING & CEMENT

ENTERED
AFMSS

NOV 25 2008

DEC 17 2008

NMOCD

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West 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, 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 - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-305910	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28-6 UNIT	⁶ Well Number 133M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6448'

¹⁰ Surface Location

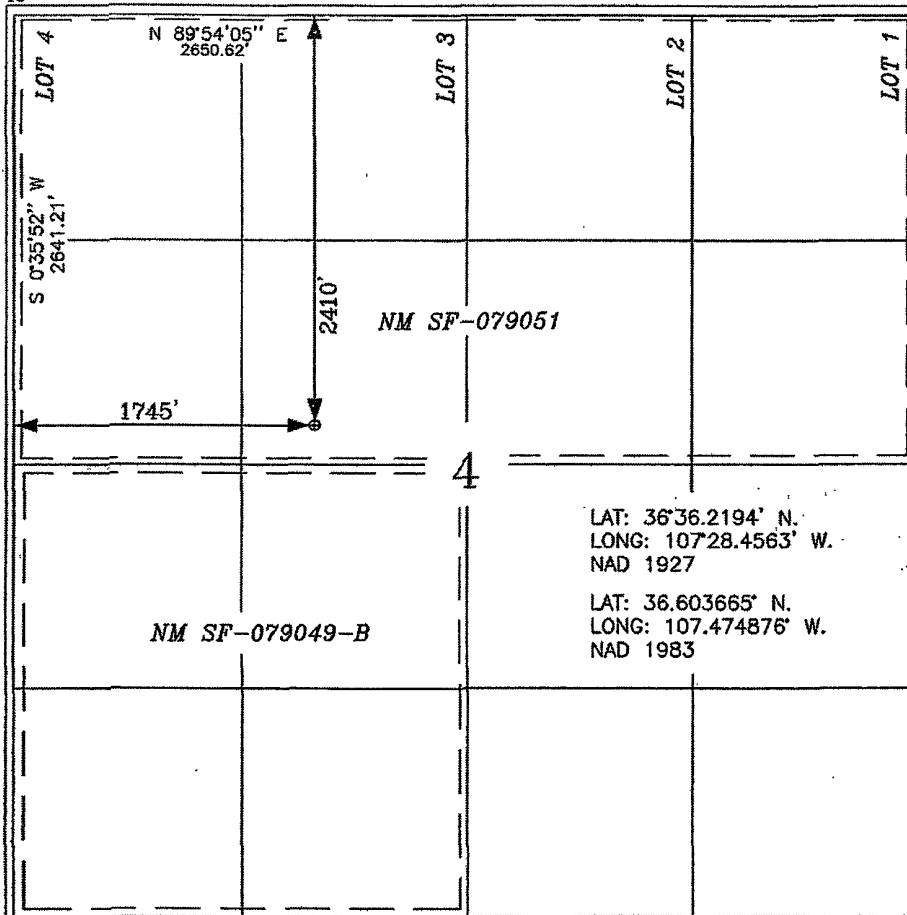
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	4	27-N	6-W		2410'	NORTH	1745'	WEST	RIO ARRIBA

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
F									
¹² Dedicated Acres DK 32.28 ACRES N/2 MV 32.0 ACRES W/2					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

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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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sasha Spangler 04-14-08
Signature
Sasha Spangler
Printed Name

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.

4-10-08
Date of Survey
Signature Glen W. Russell Surveyor
Certificate Number 15703
GLEN W. RUSSELL
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR

COMPANY
Charge Code
WELL NAME
WELL NAME
WELL NAME

BURLINGTON RESOURCES		
WAN.RFE.PDO8.05		
SAN JUAN 28 - 6 # 133 M		DATE 4/11/2008
WELL NAME		
WELL NAME		

COORDINATES	SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
	F 4	27 N	6 W	36 36.2194 N	107 28.4563 W

COUNTY	RIO ARRIBA
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	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
RECTIFIER					
CLAR	(12/4)	X			
ROUND BED		X			
10 V METER POLE					
10 V METER POLE					
C CABLES	# 8	200'			
C CABLES					
PRIMARY POWER				JEMEZ	
STANCE TO POWER				1/2 MILE	
UNDERGROUND					
JMPJACK					
WATER PUMP					

COMMENTS	install solar system - Jemez power 1/2 mile - sand & sandstone

WELL NAME

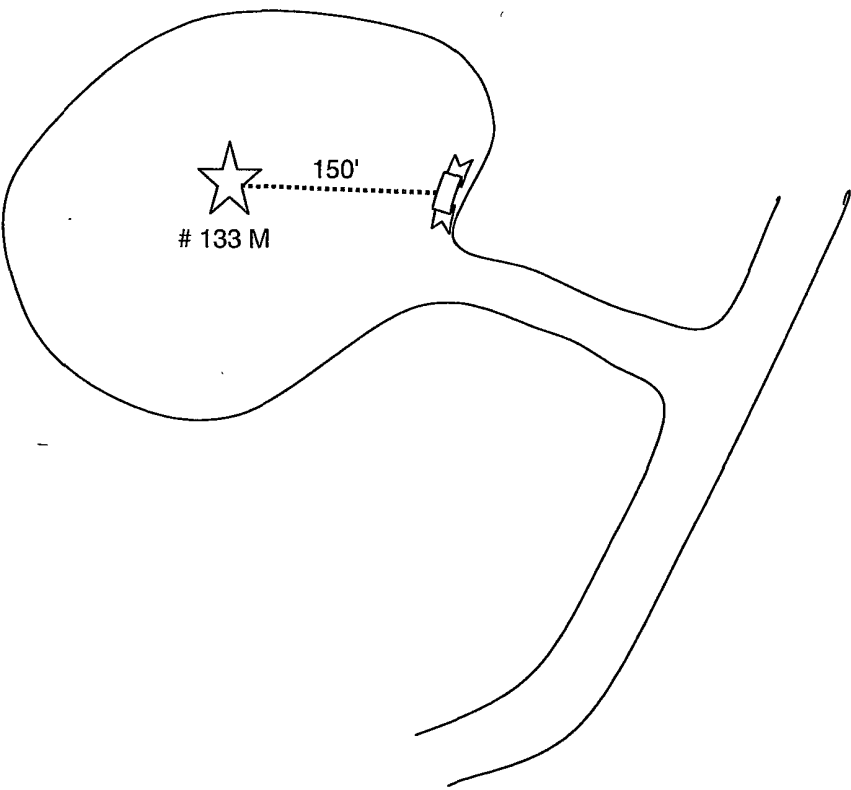
SAN JUAN 28 - 6 # 133 M



JEMEZ 1 PHASE POWER 1/2 A MILE IN BOTTOM

SAND AND SANDSTONE

INSTALL SOLAR SYSTEM



TANK	SEP OR DEHY	SOLAR	METER POLE	PUMP JACK	GND/BED	EXISTING CABLE
RECT	PIT	WELL	proposed solar/gb	PROPOSED CABLE	POWER LINE	
			FOREIGN PL		CONOCO PL	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 133M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8005		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826	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: 36.603656	Longitude: -107.474272	X:	Y:	Section: 04	Range: 006W
Footage X: 1745 FWL	Footage Y: 2410 FNL	Elevation: 6448 (FT)	Township: 027N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:	Date In Operation:
Formation Data: Assume KB = 6460 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6260	☐		
OJO ALAMO	2416	4044	☐		
KIRTLAND	2556	3904	☐		
FRUITLAND	2809	3651	☐		Possible Gas
PICTURED CLIFFS	3175	3285	☐		
LEWIS	3327	3133	☐		
Intermediate Casing	3427	3033	☐		8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 772 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3752	2708	☐		
CHACRA	4107	2353	☐		
UPPER CLIFF HOUSE	4703	1757	☐		Gas
MASSIVE CLIFF HOUSE	4800	1660	☐	732	Gas
MENEFEE	4948	1512	☐		
POINT LOOKOUT	5338	1122	☐		
MANCOS	5823	637	☐		
GALLUP	6542	-82	☐		
GREENHORN	7284	-824	☐		
GRANEROS	7349	-889	☐		
TWO WELLS	7384	-924	☐	2500	Gas
CUBERO	7492	-1032	☐		
LOWER CUBERO	7541	-1081	☐		
ENCINAL	7630	-1170	☐		
Total Depth	7630	-1170	☐		6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 572 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 133M

DEVELOPMENT

Logging Program:

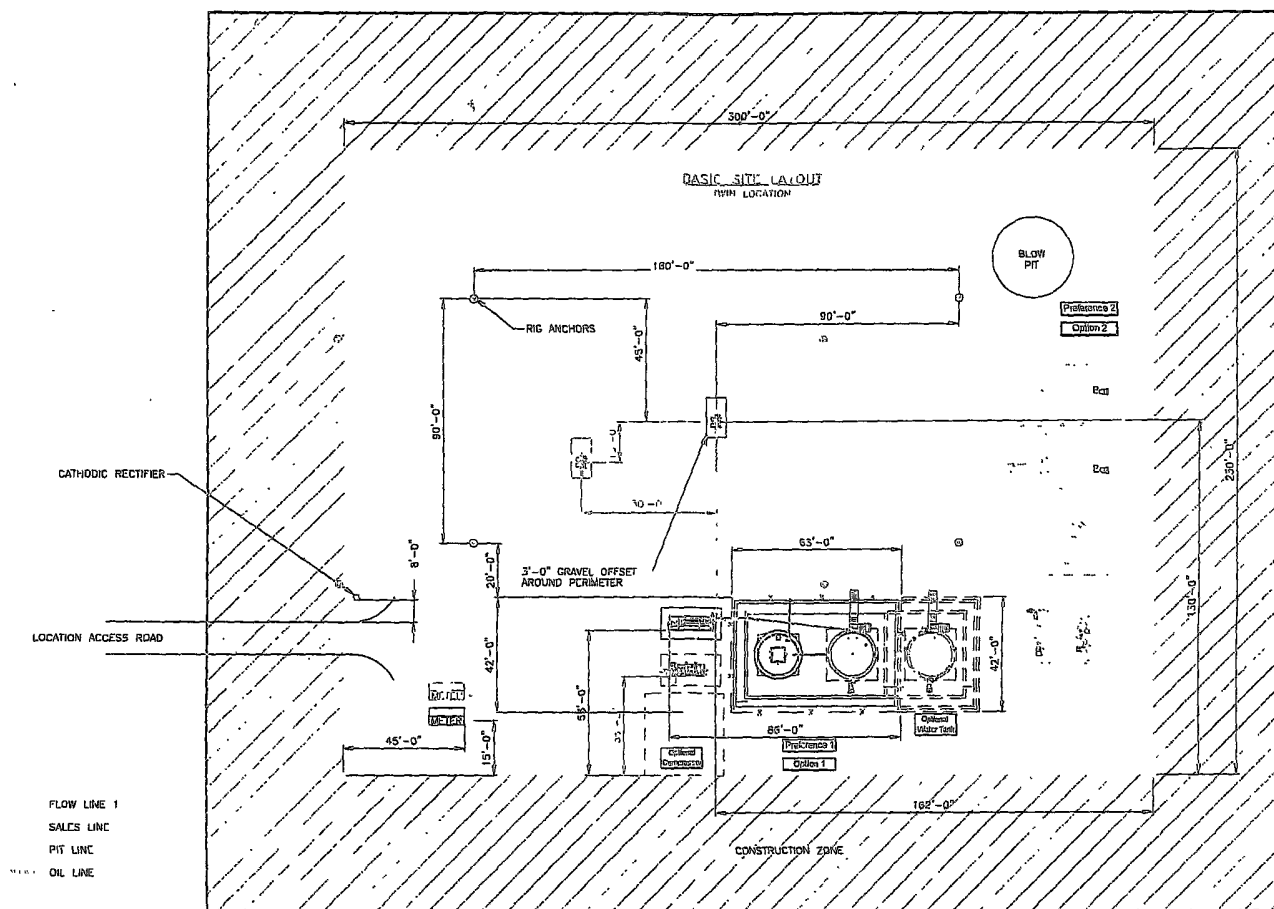
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

GR CBL. Mud logger begin 100' above GRHN. TD at top of ENCN. Bott perf 15' above TD. BRCN possibly present.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT	
ENGINEERING REVIEW DISCIPLINE REVIEWED DATE PROCESS MECHANICAL PIPING ELECTRICAL L & E CIVIL/STRUCTURAL PROJECT										REFERENCE DRAWINGS NO. DESCRIPTION	
CONOCO PHILLIPS SAN JUAN BUSINESS UNIT										CLIENT No. _____ CLIENT ADDR. _____ (SITE) BLDG. _____ DRAWING NO. _____ SCALE: AS SH. _____ CREATION DATE: 6/28/97 Dwg. No. HP3PHASE-REV1 1 of 5	

Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 28-6 UNIT 133M
2410' FNL & 1745' FWL,
Section 4, T27N, R6W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 36' 13.19" N
Longitude: 107° 28' 29.55" 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) for 1.3 miles,
stay left (southwesterly) @ y-intersection 2.7 miles,
turn left (easterly) 1.0 miles,
continue (north) 0.2 miles to the newly staked location.