

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 29 2008

Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-079049-B Unit Reporting Number NMNM-78412A-MV NMNM-78412C-DK	
1b. Type of Well GAS	6. If Indian, All. or Tribe RECD OCT 30 '08 OIL CONS. DIV.	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name DIST. 3 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 #164P	
4. Location of Well Surf: Unit E (SWNW), 1685' FNL & 440' FWL Surf: Latitude 36.62041 N Longitude 107.46199 W	10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 34, T28N, R6W API # 30-039- 30566	
14. Distance in Miles from Nearest Town 13 miles/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 440'	17. Acres Assigned to Well MV - 324.69 (W/2) DK - 324.690 (W/2)	
16. Acres in Lease 1,280.00	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1400' from SJ 28-6 #164M - DK/MV	22. Approx. Date Work will Start 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	
19. Proposed Depth 7890'	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 6626' GR	24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	
		Date 9/29/08

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

NOV 07 2008

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".

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- <u>30560</u>	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7462	*Property Name SAN JUAN 28-6 UNIT	*Well Number 164P
*GRID No 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 6626'

10 Surface Location

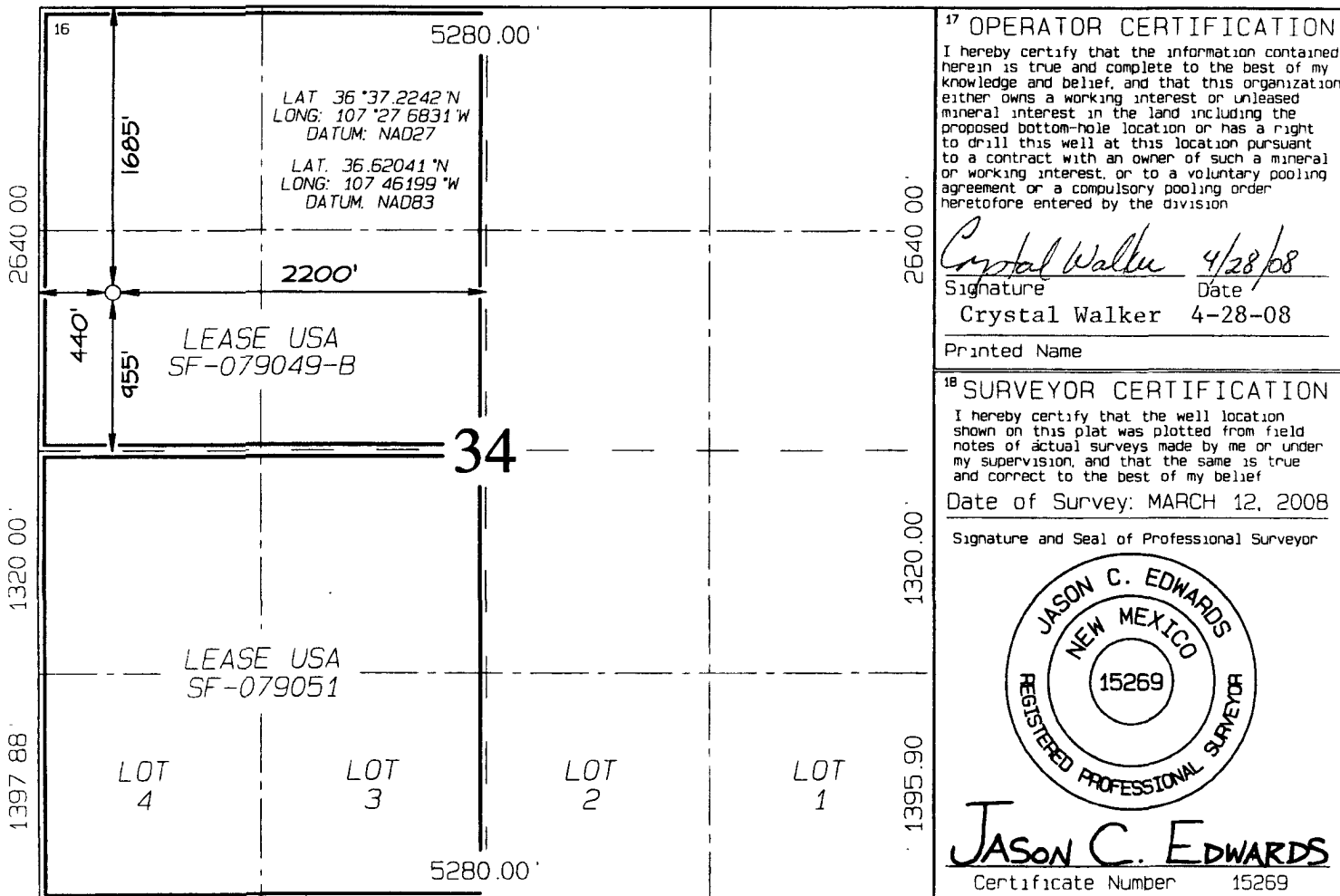
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	34	28N	6W		1685	NORTH	440	WEST	RIO ARriba

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
E									

12 Dedicated Acres	324.69 Acres (W/2) - MV	13 Joint or Infill	14 Consolidation Code	15 Order No
	324.69 Acres (W/2) - DK			

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



COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD07.LA		
SAN JUAN 28 - 6 # 164 P	DATE	4/30/2008
WELL NAME		
WELL NAME		

COORDINATES	SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
	E 34	28 N	6 W	36 37.1348 N	107 27.4316 W
COUNTY	RIO ARRIBA				

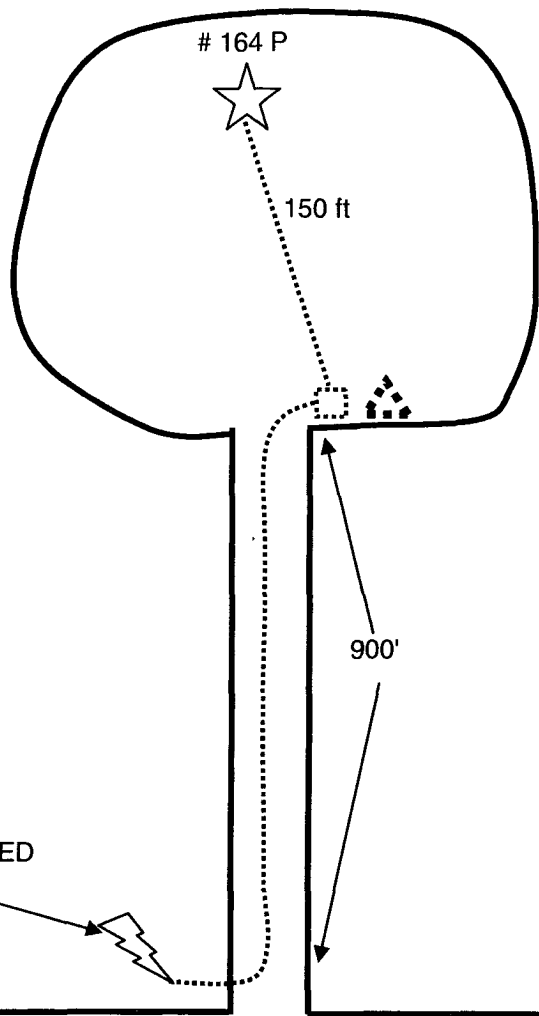
	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
<u>RECTIFIER</u>	30/12	X			
<u>SOLAR</u>					
<u>GROUND BED</u>		X			
<u>240 V METER POLE</u>		X			
<u>480 V METER POLE</u>					
<u>D C CABLES</u>	# 8	200'			
<u>A C CABLES</u>	# 8	1150'			
<u>PRIMARY POWER</u>				Jemez	
<u>DISTANCE TO POWER</u>				1000'	
<u>UNDERGROUND</u>					
<u>PUMPJACK</u>					
<u>WATER PUMP</u>					

COMMENTS	Install meter pole - plow UGAC to loc 1150 ft - install rectifie system

WELL NAME	SAN JUAN 28 - 6 # 164 P
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SANDY LOAM



PROPOSED
240V M/P

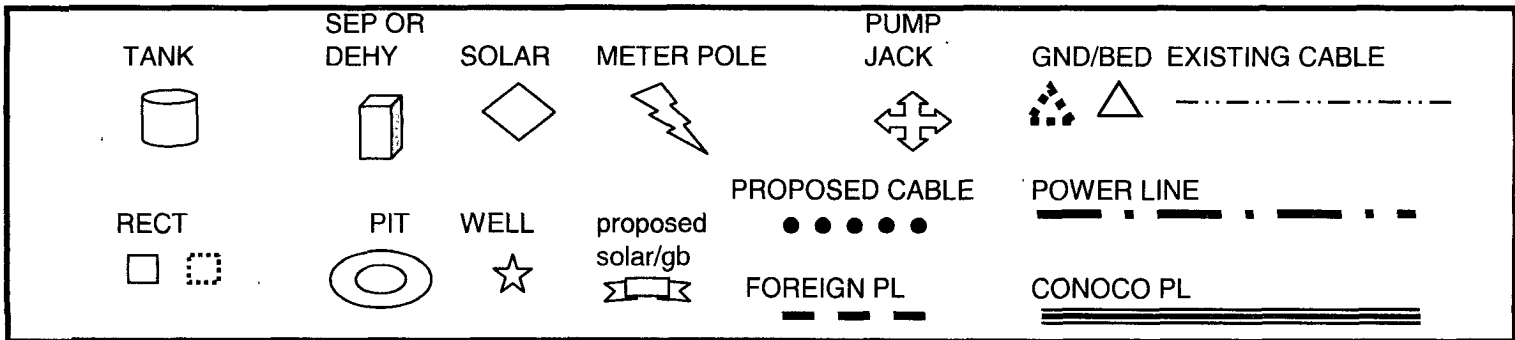
WILLIAMS
PIPELINE

1 PHASE
PRIMARY
POWER

900'

164 P

150 ft



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 164P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7460		AFE \$:	
Field Name: hBR_SAN JUAN 28-6 UNIT		Rig: Aztec Rig 301		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Phone:	
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: 36.620402	Longitude: -107.461386	X:	Y:	Section: 34	Range: 006W
Footage X: 440 FWL	Footage Y: 1685 FNL	Elevation: 6626	(FT)	Township: 028N	
Tolerance:					

Location Type: Year Round Start Date (Est.): 1/1/2009 Completion Date: Date In Operation:

Formation Data: Assume KB = 6640 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6440	<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	2676	3964	<input type="checkbox"/>			
KIRTLAND	2779	3861	<input type="checkbox"/>			
FRUITLAND	3003	3637	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3406	3234	<input type="checkbox"/>			
LEWIS	3540	3100	<input type="checkbox"/>			
Intermediate Casing	3690	2950	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 831 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3942	2698	<input type="checkbox"/>			
CHACRA	4326	2314	<input type="checkbox"/>			
UPPER CLIFF HOUSE	4932	1708	<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	5026	1614	<input type="checkbox"/>	707		Gas
MENEFEE	5193	1447	<input type="checkbox"/>			
POINT LOOKOUT	5559	1081	<input type="checkbox"/>			
MANCOS	6078	562	<input type="checkbox"/>			
GALLUP	6791	-151	<input type="checkbox"/>			
GREENHORN	7520	-880	<input type="checkbox"/>			
GRANEROS	7585	-945	<input type="checkbox"/>			
TWO WELLS	7617	-977	<input type="checkbox"/>	2500		Gas
PAGUATE	7714	-1074	<input type="checkbox"/>			
CUBERO	7735	-1095	<input type="checkbox"/>			
LOWER CUBERO	7771	-1131	<input type="checkbox"/>			TD - 75' Below Top of Lower Cubero
Total Depth	7890	-1250	<input type="checkbox"/>			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
Production	SJ 28-6 164M	28N-6W34 NE NW

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 164P

DEVELOPMENT

Production	SJ 28-6 32	28N-6W33 SW NE NE
Production	SJ 28-6 185N	28N-6W33 SE NW SE
Production	SJ 28-6 164N	28N-6W34 SW

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
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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 #164P

1685' FNL & 440' FWL, Section 34, T28N, R6W, N.M.P.M., Rio Arriba County, NM

Latitude: 36.62041°N Longitude: 107.46199°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 3.4 miles to fork in road;

Go right (Southerly) exiting Trunk-L Road for 0.5 miles to fork in road;

Go left which is straight (Southerly) for 1.6 miles to 4-way intersection (Crow's Foot);

Go straight (South-westerly) @ 4-way intersection (Crow's Foot) for 1.4 miles to fork in road;

Go left which is straight (South-westerly) for 0.3 miles to new access on right-hand side of existing roadway which continues for 683.5' to staked location.