

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APR 09 2009

1a. Type of Work DRILL	5. Lease Number NM-03862 Unit Reporting Number NMMN-78410AMV	
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 28-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD SEP 17 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well/ Surf: Unit D (NWNW), 1260' FNL & 880' FWL <i>Lat 1</i> Surf: Latitude: 36.66581° N (NAD83) Longitude: 107.29739° W	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 18, T28N, R4W API # 30-039-36730	
14. Distance in Miles from Nearest Town 11 miles/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 880'		
16. Acres in Lease 1,917.00	17. Acres Assigned to Well MV 318.48 (N/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1715' from San Juan 28-4 Unit 1A (MV)		
19. Proposed Depth 6922'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7508' GL	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 4/8/2009	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Crystal Tafoya</i> Crystal Tafoya (Regulatory Technician)	Date	

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

SEP 18 2009

NMCCD

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

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

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

APR 09 2009

☐ AMENDED REPORT

Bureau of Land Management
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30730		*Pool Code 72319	*Pool Name BLANCO MESAVERDE
*Property Code 7459	*Property Name SAN JUAN 28-4 UNIT		*Well Number 18
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 7508'

¹⁰ Surface Location

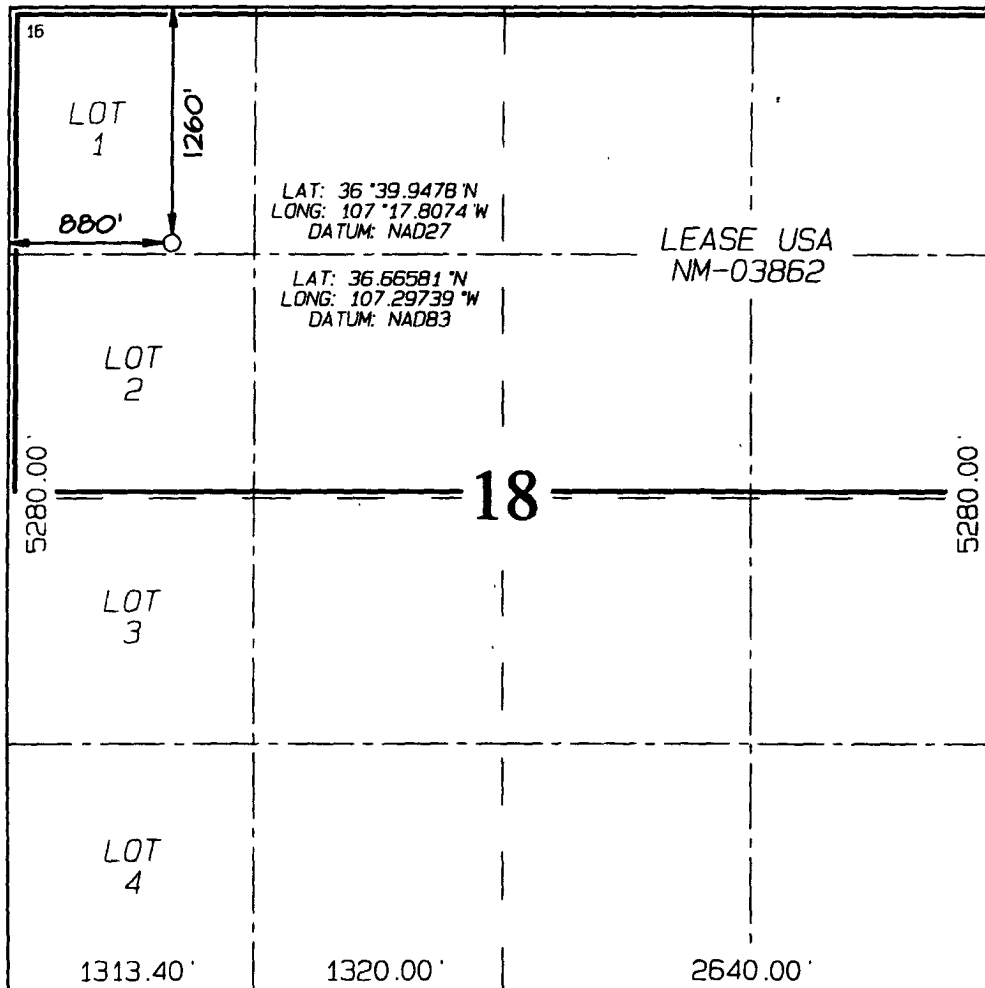
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	18	28N	4W	①	1260	NORTH	880	WEST	RIO ARriba

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
D									
¹² Dedicated Acres 318.48 Acres - N/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

1310.76' 1320.00' 2640.00'



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.

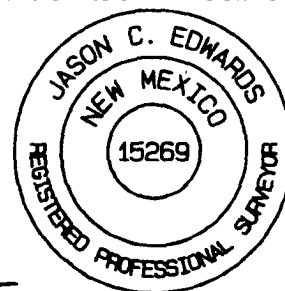
Crystal Tafoya 7/1/08
Signature Date
Crystal Tafoya 77-1-08
Printed Name

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.

Date of Survey: APRIL 1, 2008

Signature and Seal of Professional Surveyor



Jason C. Edwards
Certificate Number 15269

COMPANY

BURLINGTON RESOURCES

Charge Code

SAN JUAN 28 - 4 # 1 B

WELL NAME

WAN.RFE.PD07.HI

DATE

8/6/2008

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC

TNSHP

RANGE

LATITUDE

LONGITUDE

D 18

28 N

4 W

36.66581 N

107.29739 W

COUNTY

RI OARRIBA

RECTIFIERSOLARGROUND BED240 V METER POLE480 V METER POLED C CABLESA C CABLESPRIMARY POWERDISTANCE TO POWERUNDERGROUNDPUMPJACKWATER PUMP

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
(12/4)	X			
	X			
# 8	200'			
			JEMEZ	
			1.5 MILES	

COMMENTS

SAND AND SANDSTONE

INSTALL SINGLE WELL SOLAR SYSTEM

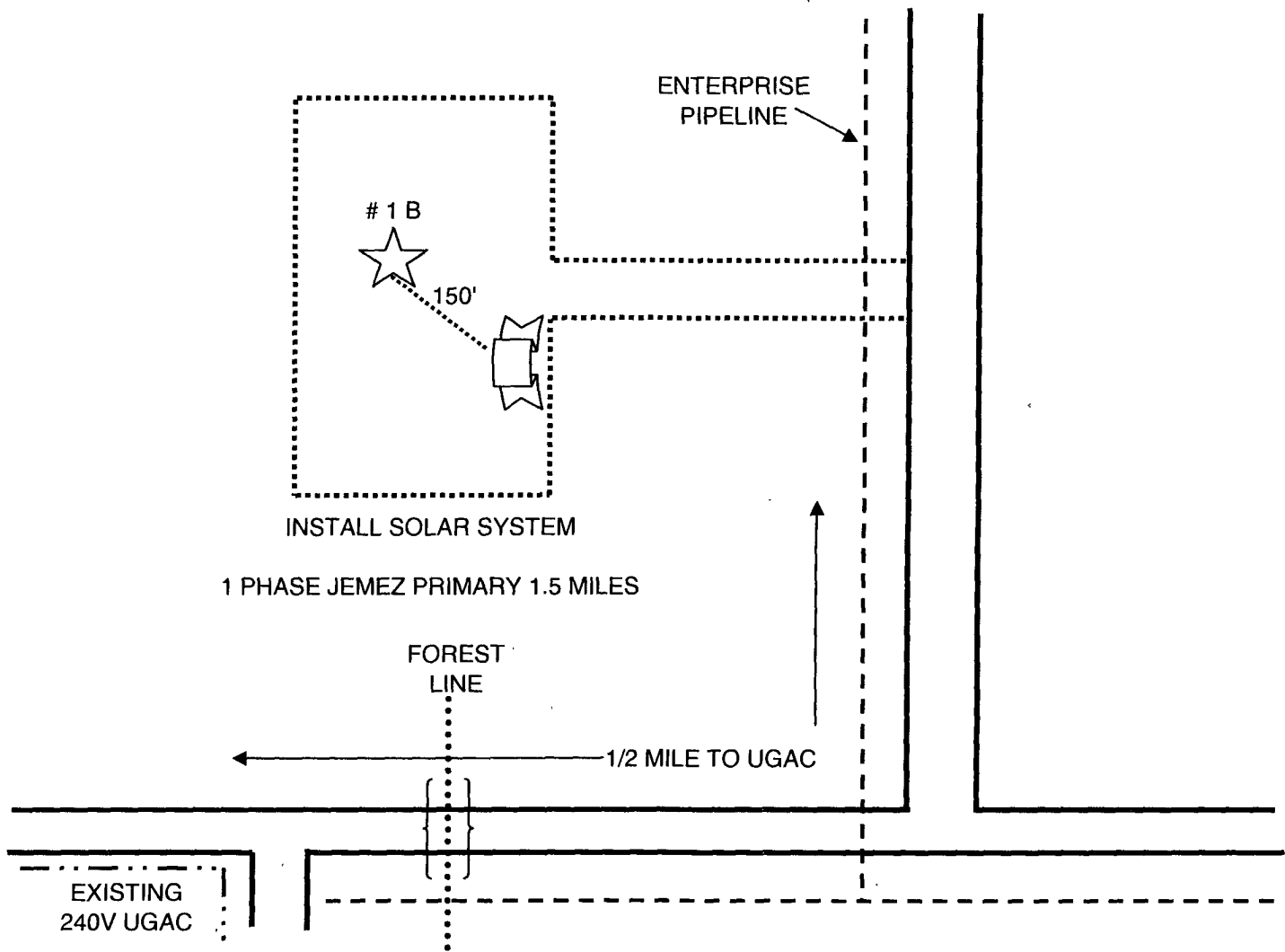
1 PHASE JEMEZ PRIMARY 1.5 MILES

EXISTING 240V UGAC .5 MILES

WELL NAME
SAN JUAN 28 - 4 # 1 B



SAND AND SANDSTONE



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 28-4 UNIT 1B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7364		AFE \$: 1,175,408.44	
Field Name: hBR_SAN JUAN 28-4 UNIT		Rig:	State: NM	County: RIO ARRIBA	API #:
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
R20002	MESAVERDE(R20002)

Location: Surface Datum Code: NAD 27

Latitude: 36.665802 Longitude: -107.296790 X: Y: Section: 18 Range: 004W

Footage X: 880 FWL Footage Y: 1260 FNL Elevation: 7508 (FT) Township: 028N

Tolerance:

Location Type: Restricted Start Date (Est.): 1/1/2010 Completion Date: Date In Operation:

Formation Data: Assume KB = 7522 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	7322	<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	3806	3716	<input type="checkbox"/>			
KIRTLAND	3980	3542	<input type="checkbox"/>			
FRUITLAND	4032	3490	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	4485	3037	<input type="checkbox"/>			
LEWIS	4592	2930	<input type="checkbox"/>			
Intermediate Casing	4742	2780	<input type="checkbox"/>			8 3/4" Hole. 7", 20 / 23 ppf, J-55, STC / LTC Casing. Cement with 1069 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	5234	2288	<input type="checkbox"/>			
CHACRA	5476	2046	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	6300	1222	<input type="checkbox"/>	700		Gas
MENEFEE	6348	1174	<input type="checkbox"/>			
POINT LOOKOUT	6640	882	<input type="checkbox"/>			
Total Depth	6922	600	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5 ppf, J-55, STC casing. Cement w/ 325 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	28-4 #1A	NW18 28-4
Production	28-5 #31	NE13 28-5
Production	28-4 #21	SE7 28-4

Logging Program:

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

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

No OH logs and no mud log.

Additional Information:

Printed on: 4/7/2009 9:28:56 AM

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-4 UNIT 1B

DEVELOPMENT

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

Directions from the Intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM
to Burlington Resources Oil & Gas Company San Juan 28-4 Unit #1B
1260' ENL & 880' FWL, Section 18, T28N, R4W, N.M.P.M., Rio Arriba County, NM

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Easterly on US Hwy 64 for 41.6 miles to Forest Road #314 @ Milepost 105.8;

Go right (South-easterly) on Forest Road #314 for 4.9 miles to fork in road;

Go left which is straight (South-easterly) remaining on Forest Road #314 for 1.1 miles to fork in road;

Go left (North-westerly) for 0.3 miles to staked location on left-hand side which overlaps the existing roadway.