

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 03 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number USA SF-077951 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	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Frost 9. Well Number #500S	
4. Location of Well Unit C(NENW) , 615' FNL & 1400' FWL Surf: Latitude 36.551785° N Longitude 107.869202° W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) C Sec. 26, T27N, R10W API # 30-045- 34858	
14. Distance in Miles from Nearest Town 19.8 miles/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 615'	17. Acres Assigned to Well 320 Acres - (N/2)	
16. Acres in Lease 800	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 150' XTO-Jack Frost D 1F	22. Approx. Date Work will Start	
19. Proposed Depth 2372'	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 6311' GR	24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	

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 2

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

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

DEC 22 2008

NOTIFY AZTEC OGD 24 HRS.
PRIOR TO CASING & CEMENT

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

DISTRICT I
1625 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 30-045- 34858	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 7034	⁵ Property Name FROST	⁶ Well Number 500S
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6311'

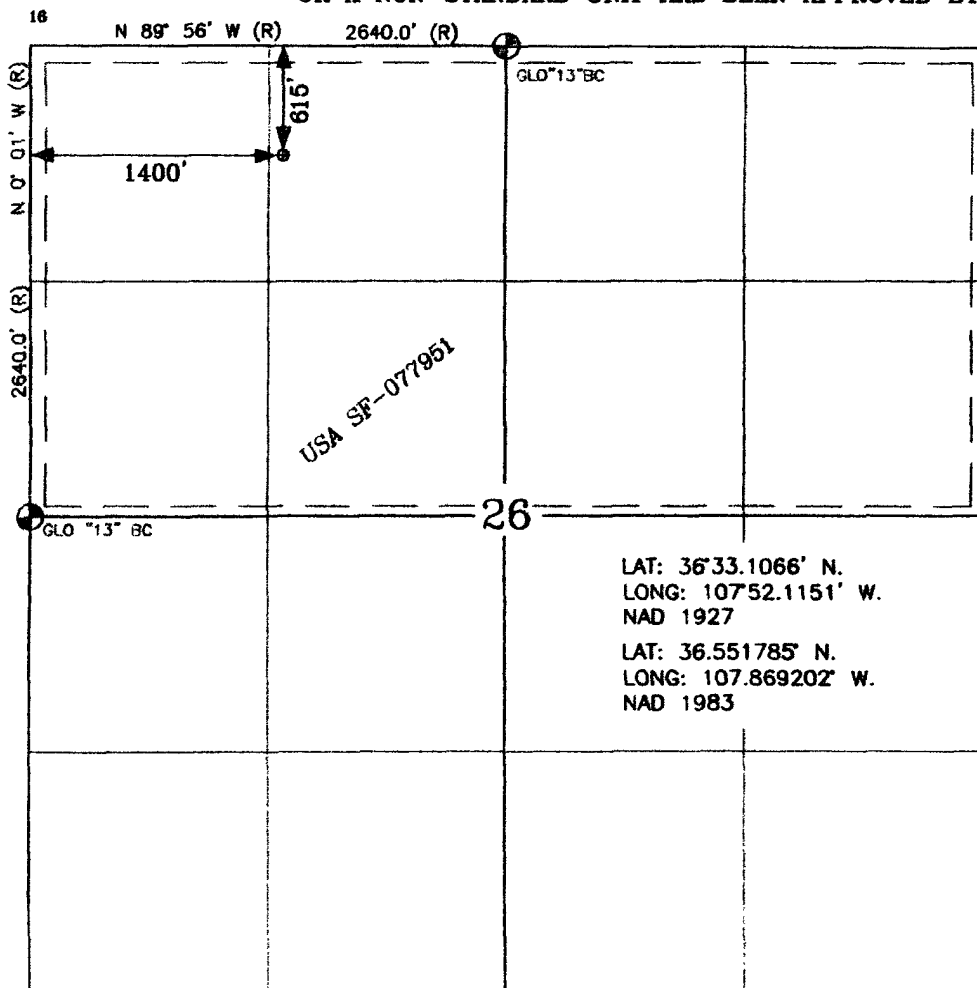
¹⁰ Surface Location

UL or lot no. C	Section 26	Township 27-N	Range 10-W	Lot Idn	Feet from the 615'	North/South line NORTH	Feet from the 1400'	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. C	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres FC 320.0 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



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.

James Gardenhire 9/15/08
Signature
James Gardenhire
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.

9-11-08
Date of Survey
Signature Green W. Russell
New Mexico
15703
LICENSED PROFESSIONAL SURVEYOR
Certificate Number 15703

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES	
WAN.RFE.PD08.E8	
FROST # 500 S	DATE 10/22/2008
WELL NAME	
WELL NAME	

COORDINATES
COUNTY

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
C 26	27 N	10 W	36.551785 N	107.869202 W
SAN JUAN				

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

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

COMMENTS

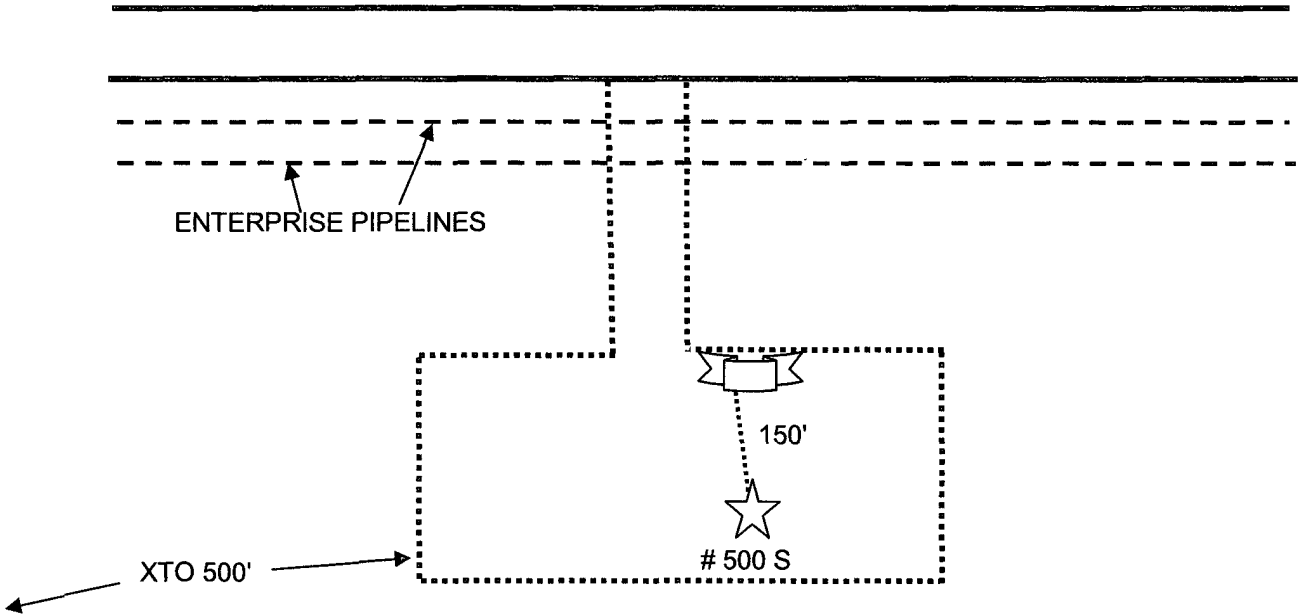
SAND AND SANDSTONE
INSTALL SINGLE WELL SOLAR SYSTEM
1 PHASE JEMEZ PRIMARY .75 MILES

WELL NAME	FROST # 500 S
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1 PHASE JEMEZ .75 MILES

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

FROST 500S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8157		AFE \$: 216,650.75	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Clark, Dave D		Phone: +1 505-326-9762	Prod. Engineer:		Phone:
Res. Engineer: Akwari, Bill N		Phone: +1 505-599-4076	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface		Datum Code: NAD 27			
Latitude: 36.551777	Longitude: -107.868584	X:	Y:	Section: 26	Range: 010W
Footage X: 1400 FWL	Footage Y: 615 FNL	Elevation: 6311 (FT)	Township: 027N		
Tolerance:					

Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6322		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	120	6202	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.	
OJO ALAMO	1147	5175	<input type="checkbox"/>				
KIRTLAND	1342	4980	<input type="checkbox"/>				
FRUITLAND	1642	4680	<input type="checkbox"/>	200		Gas	
PICTURED CLIFFS	2172	4150	<input type="checkbox"/>			Gas	
Total Depth	2372	3950	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 364 cuft. Circulate cement to surface.	

Reference Wells:

Reference Type	Well Name	Comments
Production	Frost A 1	NW26-27-10
Production	Frost 500	NE26-27-10

Logging Program:

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

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

GR/CBL

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

Comments: Location/Tops/Logging - FCNM027N010W26NW1 Do not twin Jack Frost A 1 (PC) or Jack Frost D 1 (MV/Gllp). Stay 800' away from the Pictured Cliffs well (Jack Frost A 1). Prefer D, C, F. Topo could be an issue.

Zones - FCNM027N010W26NW1

General/Work Description - UPE

Directions from the Intersection of
Hwy 550 and Hwy 64,
in Bloomfield, NM
to
Burlington Resources Oil & Gas Company LP
FROST 500S

615' FNL & 1400' FWL,
Section 26, T27N, R10W, N.M.P.M., San Juan County,
New Mexico

Latitude: 36° 33' 06.43" N
Longitude: 107° 52' 09.13" W
Nad 83

Go south on Hwy 550 for 8.4 miles to CR 7020,
turn left (easterly) on CR 7020 3.5 miles,
across Kutz Wash turn right (southerly) 1.5 miles,
continue southeasterly for 1.3 miles,
turn right (south-southeasterly) @ T-intersec for 0.6 miles,
turn right (southerly) 1.3 miles,
continue (easterly) 0.6 miles to y-intersec,
stay right (southeasterly) @ y-intersec 0.3 miles,
turn right (southerly) 0.5 miles,
turn right (southerly) 0.8 miles
continue easterly 1.0 miles,
turn right (southeasterly) 200' to the newly staked location,
twinning on existing well pad, JACK FROST D 1F.