

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED APR 03 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-076958 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 Hare 9. Well Number #297S
4. Location of Well Unit I (NESE), 2445' FSL & 875' FEL Latitude 36.740509 N Longitude 107.866523 W		10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 10, T29N, R10W API # 30-045-34680
14. Distance in Miles from Nearest Town 4 miles to Blanco, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 875'		
16. Acres in Lease 2336.050	17. Acres Assigned to Well 318.74 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1355' Hare 18M MV/DK		
19. Proposed Depth 2400'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5783' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	THIS 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	
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)		Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 10/2/08

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 2

Bond Numbers NMR-000015 and NMB-000089

OCT 06 2008 aw

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

NMOCD

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

Technical and
int to 43 CFR 3165.3
3 CFR 3165 4

NOTIFY AZTEC OCS 24 HRS.
PRIOR TO CASING & CEMENT

1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMMENDED REPORT

16	<div style="text-align: center; margin-top: 100px;"> E/2 DEDICATED ACREAGE USA SF-076958 SECTION 10, T-29-N, R-10-W </div> <div style="margin-top: 20px;"> WELL FLAG NAD 83 LAT: 36.740509° N LONG: 107.866523° W NAD 27 LAT: 36°44.430227' N LONG: 107°51.954280' W </div>	<div style="text-align: center; margin-top: 100px;"> 875' </div> <div style="margin-top: 20px;"> 2445' </div> <div style="margin-top: 20px;"> N 1°20'00" W 2637.4' (R) S 0°58'29" W 2809.5' (M) </div>
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> <div style="text-align: center;"> </div> <hr/> <div style="text-align: center;"> Sasha Spangler Printed Name </div> <hr/> <div style="text-align: center;"> Regulatory Technician Title and E-mail Address </div> <hr/> <div style="text-align: center;"> 01-11-08 Date </div>	
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> <hr/> <div style="text-align: center;"> Date of Survey: 11/26/07 Signature and Seal of Professional Surveyor: </div> <div style="text-align: center; margin-top: 20px;"> </div> <hr/> <div style="text-align: center;"> Certificate Number: NM 11393 </div>	

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON		
WAN.RFE.PD07.KJ		
HARE # 297 S	DATE	12/27/2007
WELL NAME		
WELL NAME		

COORDINATES

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
I 10	29 N	10 W	36.74.509 N	107.866523 W

COUNTY

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
COMPRESSOR
RTU
SAMS
TANKS

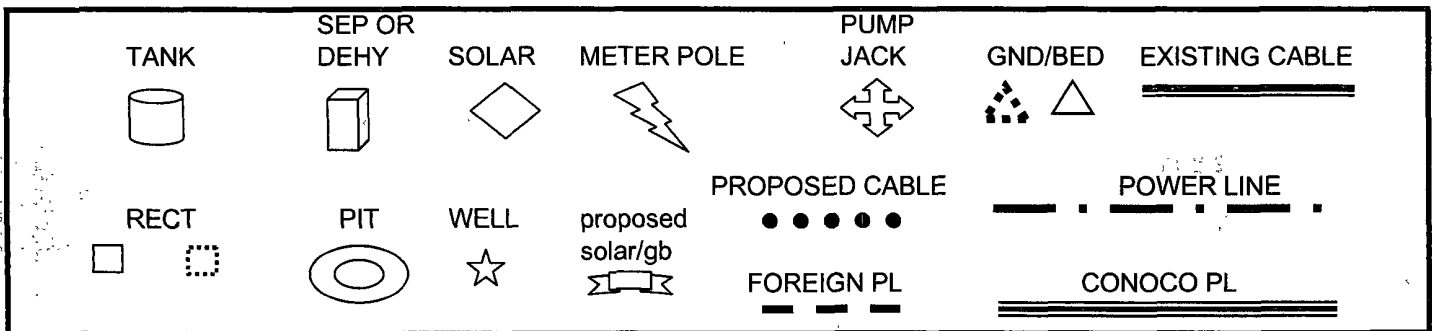
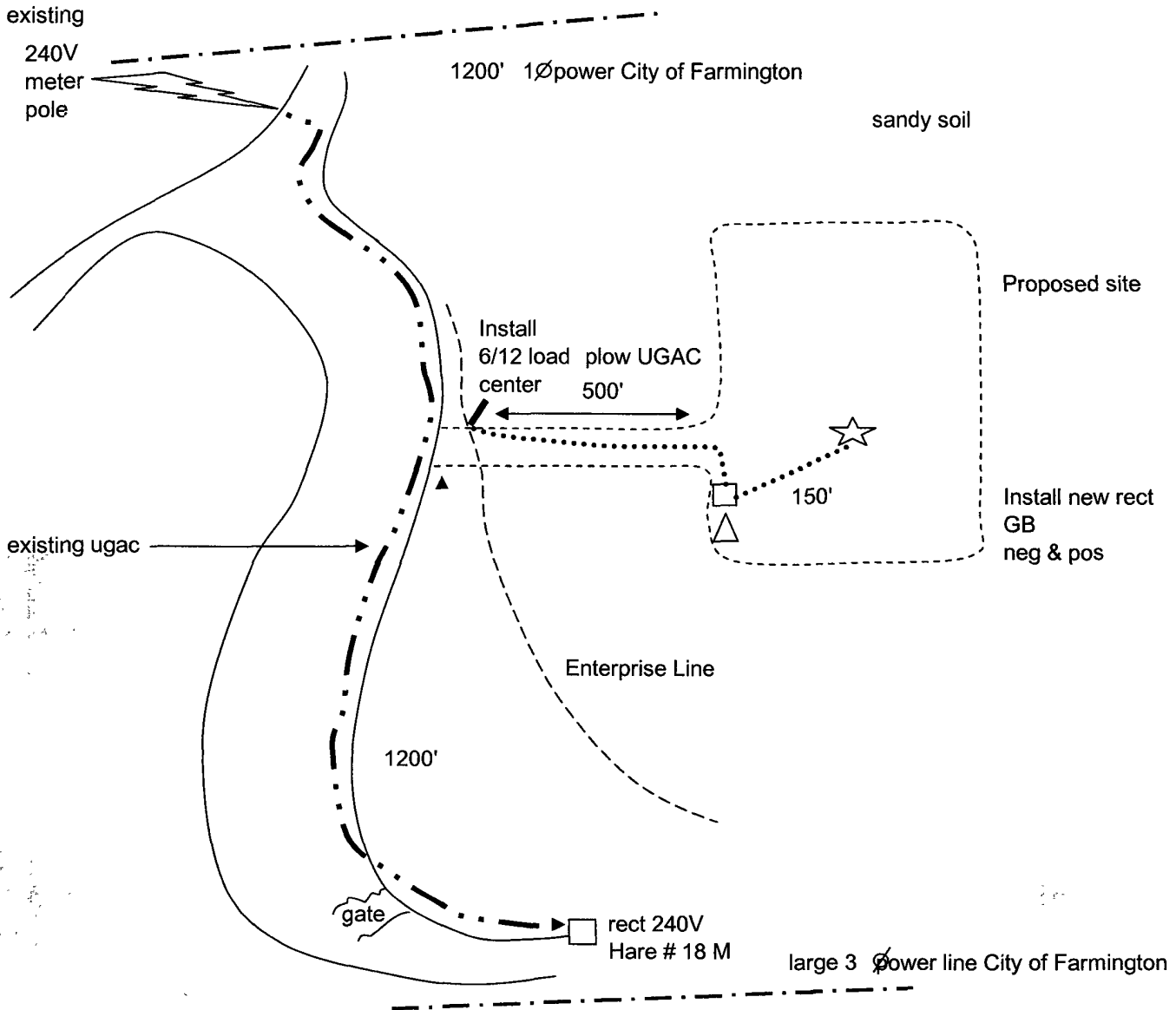
SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	x			
	x			
# 8	250			
# 8	900		city Fmt	
			1 phase	
			500 ft	

COMMENTS

sandy soil - install load center at entrance
install rectifier system



Hare # 297 S



BURLINGTON RESOURCES OIL AND GAS COMPANY LP
HARE 297S

2445' FSL, 875' FEL

SECTION 10, T-29-N, R-10-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

NAD 83 LAT.: 36.740509°N LONG.: 107.866523° W

ELEV.: 5783 NAVD88

NEW ACCESS 550'

DRIVING DIRECTIONS TO BROG HARE 297S.

2445' FSL, 875' FEL IN SEC.10, T-29-N, R-10-W.

FROM BLANCO, N.M.:

- GO: 3.2 MILES NORTH ON HWY. 575 (DIRT ROAD). TURN LEFT.
- GO: 0.8 MILES SOUTH.TURN LEFT.
- GO: 0.2 MILES SOUTH EAST, TURN LEFT (NORTHEAST) TO BEGIN 550 FEET OF NEW ACCESS ROAD.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HARE 297S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7443		AFE \$: 200,575.39	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Clark, Dave D		Phone: 505-326-9762	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:

Primary Objective (Zones):	
Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface **Datum Code:** NAD 27 **Straight Hole**

Latitude: 36.740504	Longitude: -107.865904	X:	Y:	Section: 10	Range: 010W
Footage X: 875 FEL	Footage Y: 2445 FSL	Elevation: 5783	(FT)	Township: 029N	

Tolerance:

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

Formation Data: Assume KB = 5797 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5677	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	914	4883	<input type="checkbox"/>			
KIRTLAND	1125	4672	<input type="checkbox"/>			
FRUITLAND	1699	4098	<input type="checkbox"/>			Gas
PICTURED CLIFFS	2200	3597	<input type="checkbox"/>	250		Gas
Total Depth	2400	3397	<input type="checkbox"/>			TD - T/PCCF + 200'; 6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 369 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Hare 18	29N-10W10 SE NE
Production	Lackey A 3R	29N-10W11 NE SW
Production	Hare 18-M	29N-10W10 NW SE SE

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
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