

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RCVD MAR16'07  
OIL CONS. DIV.  
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 MAR -1 PM 3:56

1a. Type of Work DRILL	5. Lease Number SF-078356 Unit Reporting Number NIPM-78394C-MV NIPM-78394B-PC	6. If Indian, All. or Tribe
1b. Type of Well GAS	RECEIVED BLM 10 FARMINGTON NM	
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name Huerfanito 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 Unit H (SENE), 2600' FNL & 800' FEL,  Latitude 36° 33.6437 N Longitude 107° 45.0658 W	9. Well Number #88R	
	10. Field, Pool, Wildcat Blanco MV/Basin DK	
	11. Sec., Twn, Rge, Mer. (NMPM) H Sec. 23, T27N, R9W API # 30-045-34199	
14. Distance in Miles from Nearest Town 17 miles/Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 800'		
16. Acres in Lease	17. Acres Assigned to Well 320 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1373' Huerfanito Unit 57-23 (PC)		
19. Proposed Depth 6979'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6281' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Rhonda Rogers (Regulatory Technician)	3-1-07 Date	

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE Acting AFM DATE 3/13/07  
Minerals

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.

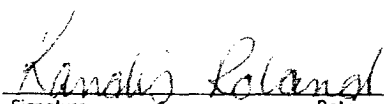
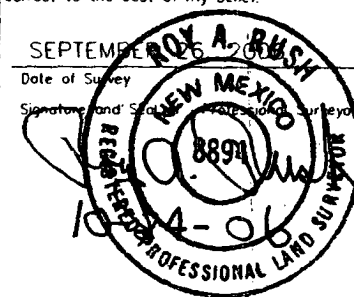
Example Master Plan Type 3

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

NMOCDF

3/22/07

This action is subject to technical and  
financial review pursuant to 43 CFR 3165.2  
and 43 CFR 3165.4

16	FD 2 1/2" BC 1947 GLO	N 89°17'22" W 2627.75' (M)	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 <div style="text-align: right; margin-top: 20px;">             Signature _____ Date _____            Printed Name <b>Kandis Roland</b>            Regulatory Technician         </div>
	23	2600' N 00°43'09" E 2647.10' (M)	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plot 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. <div style="text-align: right; margin-top: 20px;">             Date of Survey _____            Signature and Seal of Professional Land Surveyor _____            8894            Certificate Number         </div>
	LAT: 36.56073° N. (NAD 83) LONG: 107.75169° W. (NAD 83) LAT: 36°33.6437' N. (NAD 27) LONG: 107°45.0658' W. (NAD 27)	800' FD 2 1/2" BC 1917 GLO	
		SF-078356	

Office

Energy, Minerals and Natural Resources

May 27, 2004

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-045- 34199

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil &amp; Gas Lease No.

SF-078356

7. Lease Name or Unit Agreement Name

Huerfano Unit

8. Well Number

88R

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco Mesaverde / Basin Dakota

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS.)

1. Type of Well:

Oil Well ☐Gas Well ☒

Other

2. Name of Operator

BURLINGTON RESOURCES OIL &amp; GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter H : 2600' feet from the North line and 800' feet from the East line  
Section 23 Township 27N Rng 9W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6281'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

&gt;100'

Distance from nearest fresh water well

&gt;1000'

Distance from nearest surface water

&gt;1000'

Pit Liner Thickness:

N/A

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

## 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

PULL OR ALTER CASING

☐  
☐  
☐

PLUG AND ABANDON

CHANGE PLANS

MULTIPLE COMPL

☐  
☐  
☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING/CEMENT JOB

☐  
☐  
☐

ALTERING CASING

P AND A

☐  
☐  
☐

OTHER:

New Drill

☒

OTHER:

☐

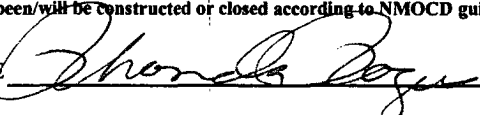
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, Unlined:

Burlington Resources proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit, vent/flare pit and pre-set mud pit will be unlined pits as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids, and that portion will be unlined, as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE



TITLE

Regulatory Technician

DATE

2/28/2007

Type or print name

Rhonda Rogers

E-mail address:

rrogers@br-inc.com

Telephone No.

505-326-9701

For State Use Only

APPROVED BY



TITLE

DEPUTY OIL &amp; GAS INSPECTOR, DIST. 06

DATE

MAR 22 2007

Conditions of Approval (if any):

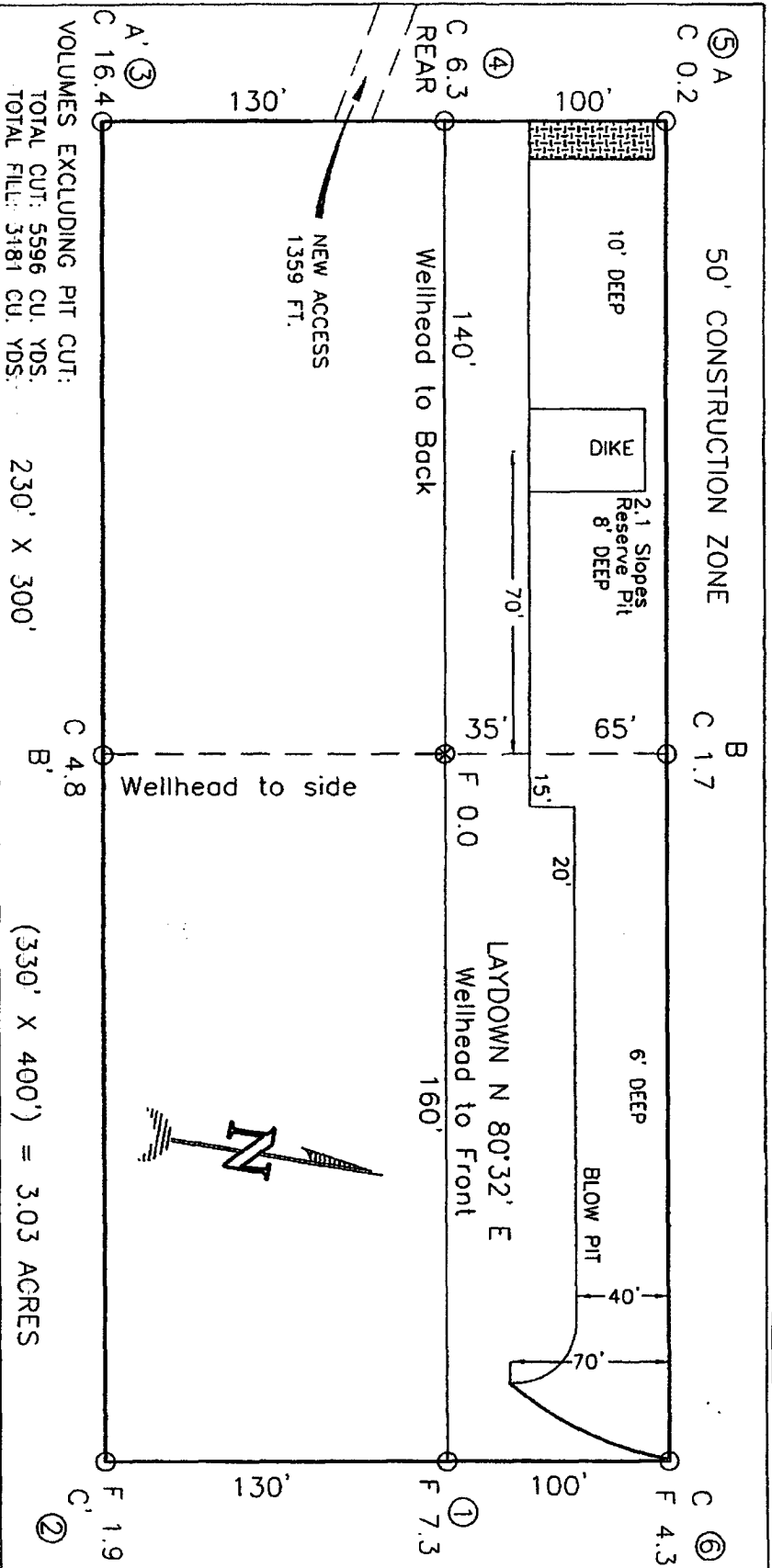
# BURLINGTON RESOURCES OIL & GAS COMPANY LP

HUERFANTO UNIT No. 88R, 2600 FNL 800 FEL

SECTION 23, T-27-N, R-9-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6281, DATE: SEPTEMBER 26, 2006

NAD 83  
LAT. = 36.56073° N.  
LONG. = 107.75169° W.  
NAD 27  
LAT. = 36°33.6437' N.  
LONG. = 107°45.0658' W.



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).  
BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

NOTE: ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN

NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.



Doggett Enterprises, Inc.  
Surveying and Oil Field Services  
P. O. Box 15088 Farmington, NM 87401  
Phone (505) 326-1772 Fax (505) 326-8019  
NEW MEXICO L.S. 8894

DRAWN BY: G.V.  
DATE: 06/05/06

CHECKED BY: G.V.  
DATE: 10/20/06

# BURLINGTON RESOURCES OIL & GAS COMPANY LP

HUERFANITO UNIT No. 88R, 2600 FNL 800 FEL

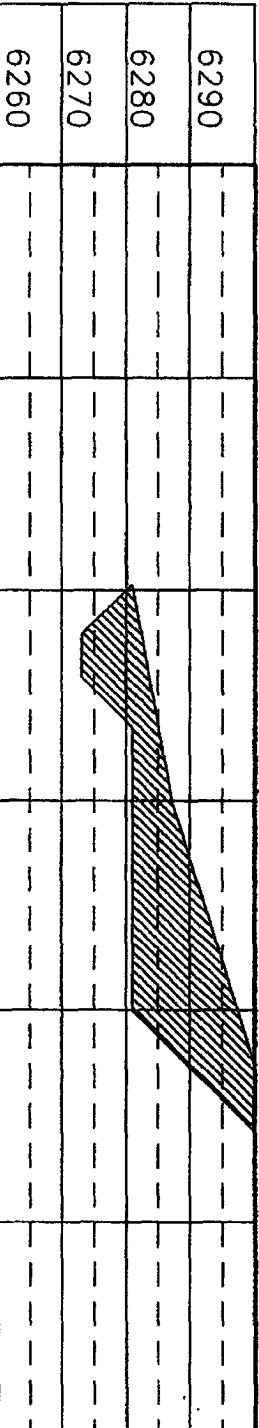
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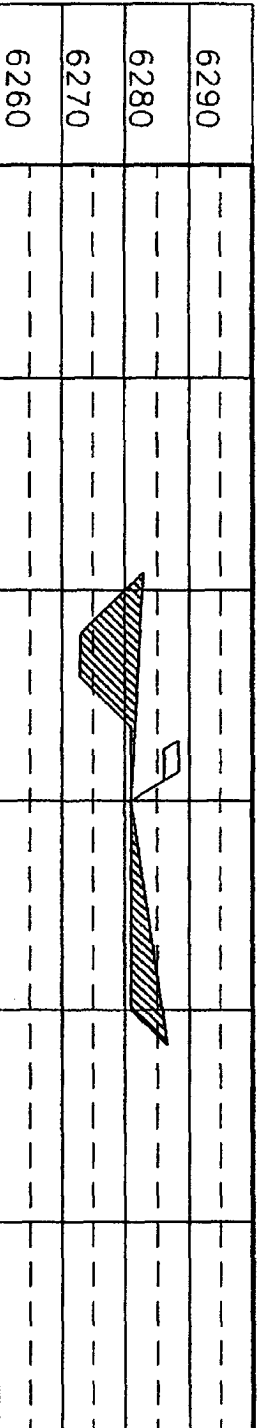
ELEV. A-A'

C/L



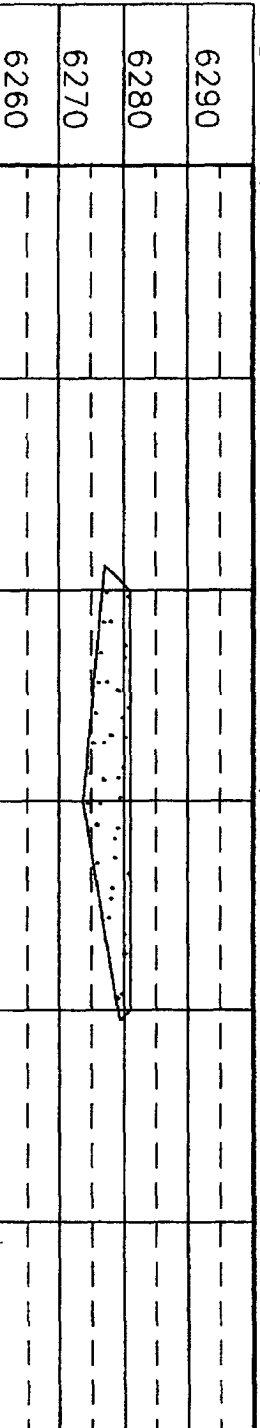
ELEV. B-B'

C/L



ELEV. C-C'

C/L



NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR  
UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO  
ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO  
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Daggett Enterprises, Inc.  
Surveying and Oil Field Services  
P. O. Box 15068 Farmington, NM 87401  
Phone (505) 376-1772 • Fax (505) 376-9019  
NEW MEXICO U.S. 8894

DATE	REVISION
DATE: 10/20/05	DATE: 08/31/05
DATE: 08/31/05	DATE: 08/31/05

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 88R

Lease:		AFE #: WAN.ZA2.7958		AFE \$:	
Field Name: hBR SAN JUAN		Rig: Aztec Rig 730	State: NM	County: SAN JUAN	API #:
Geoscientist: Head, Chip F		Phone: 505-326-9772	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: 832-486-2275	Proj. Field Lead:		Phone:

## Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

## Location: Surface Datum Code: NAD 27

Latitude: 36.560721	Longitude: -107.751076	X:	Y:	Section: 23	Range: 009W
Footage X: 800 FEL	Footage Y: 2600 FNL	Elevation: 6281	(FT)	Township: 027N	

Tolerance:

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6295 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	6079	<input type="checkbox"/>			12-1/4" hole. 9-5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.
OJAM	1401	4894	<input type="checkbox"/>			Possible water flows.
KRLD	1506	4789	<input type="checkbox"/>			
FRLD	1873	4422	<input type="checkbox"/>			Possible gas.
PCCF	2241	4054	<input type="checkbox"/>			
LEWS	2370	3925	<input type="checkbox"/>			
Intermediate Casing	2470	3825	<input type="checkbox"/>			8-3/4" hole. 7", 20 ppf, J-55, STC Casing. Cement with 555 cuft. Circulate cement to surface.
HURF	2720	3575	<input type="checkbox"/>			
CHRA	3146	3149	<input type="checkbox"/>			
UCLFH	3704	2591	<input type="checkbox"/>			
CLFH	3843	2452	<input type="checkbox"/>			Gas; possibly wet
MENF	3910	2385	<input type="checkbox"/>			Gas.
PTLK	4526	1769	<input type="checkbox"/>	350		Gas.
MNCS	4666	1629	<input type="checkbox"/>			
GLLP	5706	589	<input type="checkbox"/>			Gas. Possibly wet.
GRHN	6511	-216	<input type="checkbox"/>			Gas possible, highly fractured
GRRS	6574	-279	<input type="checkbox"/>			
TWLS	6619	-324	<input type="checkbox"/>			Gas
PAGU	6685	-390	<input type="checkbox"/>			Gas. Highly Fractured.
CBRL	6741	-446	<input type="checkbox"/>			
ENCN	6821	-526	<input type="checkbox"/>			Gas
BRRO	6903	-608	<input type="checkbox"/>			
MRSN	6939	-644	<input type="checkbox"/>			Gas. Possible Lost Circulation.
TD	6979	-684	<input type="checkbox"/>	1850		TD 40 ft into Morrison. 6-1/4" hole. 4-1/2", 10.5/11.6 J-55 STC/LTC casing. Cement with 613 cuft. Circulate cement a minimum of 100' inside the previous casing string.

## Reference Wells:

Reference Type	Well Name	Comments
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# PROJECT PROPOSAL - New Drill / Sidetrack

HUERFANITO UNIT 88R

Production	Huerfanito 79	NE 26-27N-9W
Production	Huerfanito 88MD	NE 23-27N-9W

## 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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Comments: Location/Tops/Logging - This well identified by Chip Head to deepen 40' below the Morrison and run open-hole logs. Induction from TD to 7", Neutron-Density (over Dakota) from TD to 6311', and over Mesaverde from 4700' to 3360'.