

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
27 PM 3:34

1a. Type of Work DRILL	5. Lease Number SF-078-135 Unit Reporting Number 210 FARM REPORT NM	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON 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 9. Well Number #90M	
4. Location of Well Unit H (SENE), 2480' FNL & 660' FEL, Latitude 36° 31.0258 N Longitude 107° 44.0304 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 1, T26N, R9W API # 30-045- 34254	
14. Distance in Miles from Nearest Town 29 miles/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 660'	17. Acres Assigned to Well 320.06 N/2) OK 320.06 E/2 M ✓	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease		
19. Proposed Depth 6503'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6130' GL	22. Approx. Date Work will Start RCVD AUG 23 '07 OIL CONS. DIV. DIST. 3	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	3-27-07 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

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

NMOC

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.9
and appeal pursuant to 43 CFR 3165.4

RCVD AUG 23 '07

OIL CONS. DIV.

DISTRICT I
1925 N. French Dr., Hobbs, N.M. 88240DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

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

DIST. Form C-102

Revised October 11, 2004

Submit to Appropriate District Office

State Lease 4 Copies

Fee Lease 3 Copies

210 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34254	² Pool Code 72319/71599	³ Pool Name Blanco MV/Basin DK
⁴ Property Code 7138	⁵ Property Name HUERFANITO UNIT	
⁶ GRID No. 14538	⁷ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁸ Elevation 90M 6130

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
H	1	26-N	9-W		2480	NORTH	660	EAST	SAN JUAN

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
H									
¹² Dedicated Acres DK 320.24 N/2 MV 320.00 E/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

¹⁶ 		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. Signature: Rhonda Rogers Date: 3-20-07 Printed Name: Rhonda Rogers Regulatory Technician
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: OCTOBER 2004 Signature and Seal: ROY A. RUSH Certificate Number:		

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- 34254
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal Lease # SF-078135
7. Lease Name or Unit Agreement Name	Huerfano Unit
8. Well Number	#90M
9. OGRID Number	14538
10. Pool name or Wildcat	Blanco MV/Basin DK

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 & GAS COMPANY LP

3. Address of Operator
3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location
Unit Letter H : 2480' feet from the North line and 660' feet from the East line
Section 1 Township 26N Rng 9W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6130'

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type New Drill Depth to Groundwater <50 Distance from nearest fresh water well >1000 Distance from nearest surface water <200
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 ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

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 and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and vent/flare pit will be an unlined pit 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 Rhonda Rogers TITLE Regulatory Technician DATE 3/27/2007

Type or print name Rhonda Rogers E-mail address: ogerrs@conocophillips.com Telephone No. 505-599-4018

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE AUG 29 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 90M

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7956M/7957D		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 184		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:	
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		Straight Hole	
Latitude: 36.517097	Longitude: -107.733840	X:	Y:	Section: 01	Range: 009W
Footage X: 660 FEL	Footage Y: 2480 FNL	Elevation: 6130 (FT)	Township: 026N		
Tolerance:					

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6142 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	5822	<input type="checkbox"/>			12-1/4" Hole. 8-5/8" 24 ppf, J-55, STC casing, Cement with 312 cuft. Circulate cement to surface.
OJO ALAMO	1046	5096	<input type="checkbox"/>			
KIRTLAND	1223	4919	<input type="checkbox"/>			
FRUITLAND	1710	4432	<input type="checkbox"/>			
PICTURED CLIFFS	1908	4234	<input type="checkbox"/>			
LEWIS	2035	4107	<input type="checkbox"/>			
HUERFANITO BENTONITE	2370	3772	<input type="checkbox"/>			
CHACRA	2800	3342	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	3448	2694	<input type="checkbox"/>			
MENEFEE	3554	2588	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	4213	1929	<input type="checkbox"/>			
MANCOS	4543	1599	<input type="checkbox"/>			
UPPER GALLUP	5362	780	<input type="checkbox"/>			
GREENHORN	6203	-61	<input type="checkbox"/>			
GRANEROS	6246	-104	<input type="checkbox"/>			
TWO WELLS	6281	-139	<input type="checkbox"/>			
PAGUATE	6350	-208	<input type="checkbox"/>			
CUBERO	6410	-268	<input type="checkbox"/>			
ENCINAL	6481	-339	<input type="checkbox"/>			
TOTAL DEPTH DK	6503	-361	<input type="checkbox"/>	1600		7-7/8" Hole. 4-1/2" 11.6 ppf, N-80, LTC casing. Cement with 1909 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Huerfanito Unit 90 NE01-26N-09W	
Production	Navajo Indian 6E SW06-26N-08W	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 90M

DEVELOPMENT

Logging Program:			
Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo	<input type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input type="checkbox"/> TDT	<input checked="" type="checkbox"/> Other
GR/CBL							

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

Comments: Location/Tops/Logging - DK 26N09W01NE2 and MVNM026N009W01NE2

Zones - DK 26N09W01NE2 and MVNM026N009W01NE2

General/Work Description - Name change - Originally the 87N - This well in DSM appears to be mis-named, it should be named the 90M since it will be the 2nd DK completion to the DK N2 dedication. The parent well's name is the 90 and the dedication for the well is MV E2 and DK N2 which matches the 87N. There is a MV/DK well completed in J which is called the 87M, which would be correct as the 2nd DK in the S2 dedication for the DK. 87N would be the correct name if the well were located in the S2 of the section.

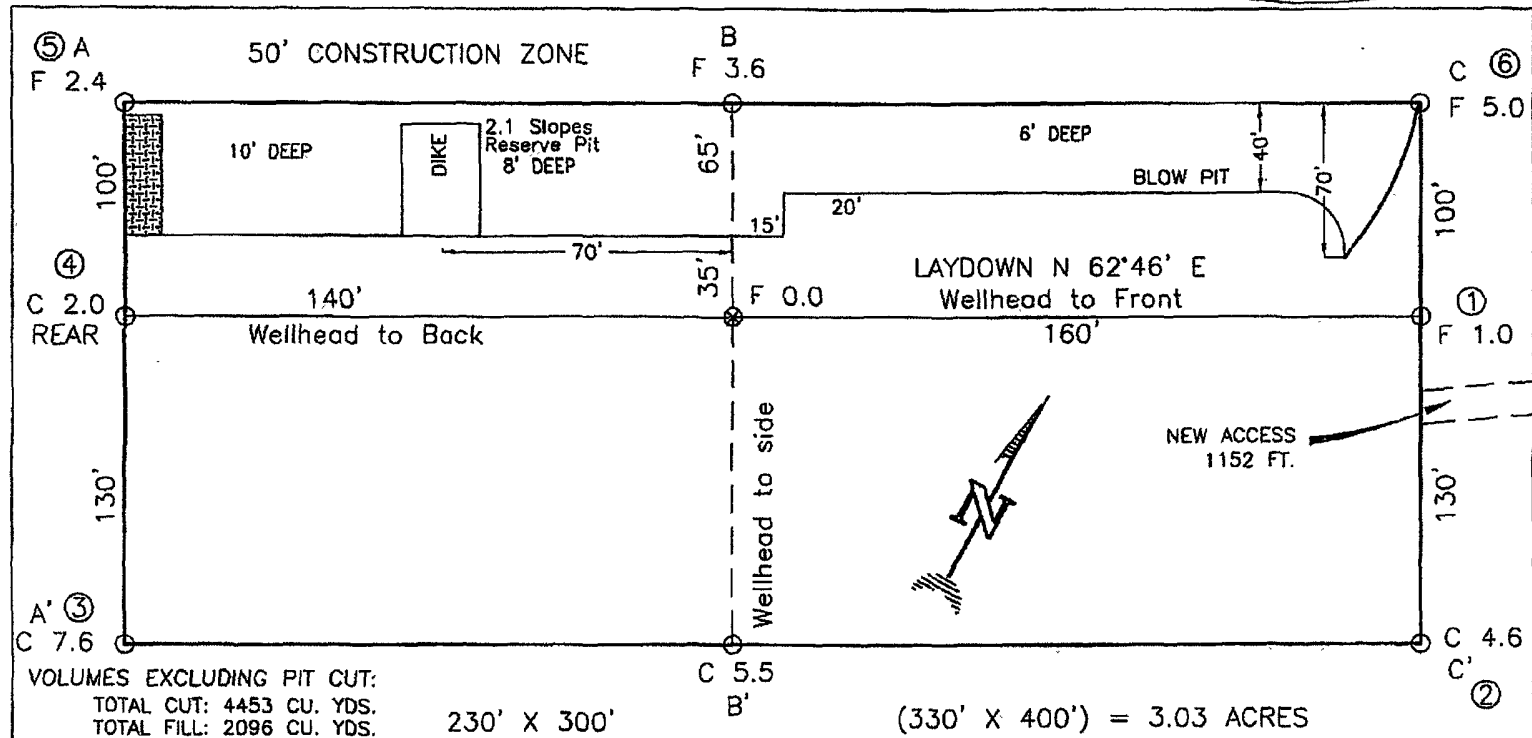
BURLINGTON RESOURCES OIL & GAS COMPANY LP

HUERFANITO UNIT No. 90M 2480 FNL 660 FEL

SECTION 1, T-26-N, R-9-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6130, DATE: OCTOBER 30, 2006

NAD 83
LAT. = 36.51711° N.
LONG. = 107.73445° W.
NAD 27
LAT. = 36°31.0258' N.
LONG. = 107°44.0304' 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.

DESIGNER:	DATE:	REVIEW BY:
 Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15068 • Farmington, NM 87401 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO L.S. 8894		
DRAWN BY: C.V.	DATE: 11/03/06	
ROW: BR52	DATE: 11/03/06	

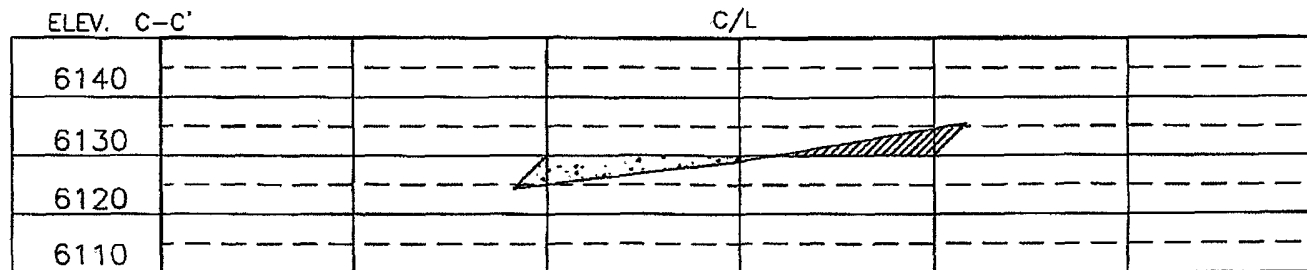
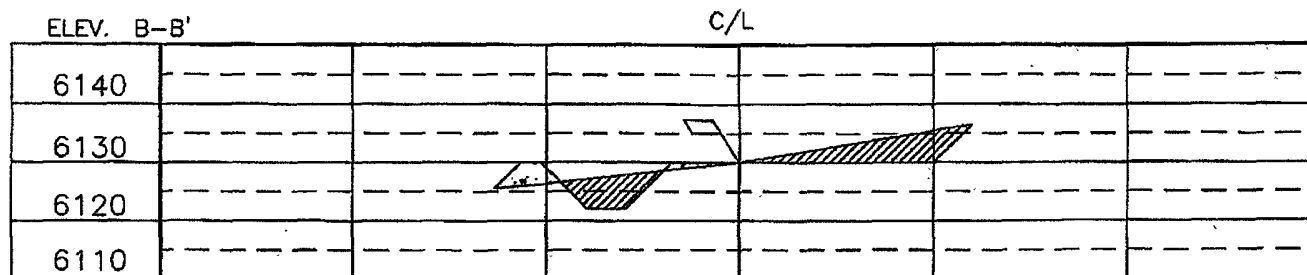
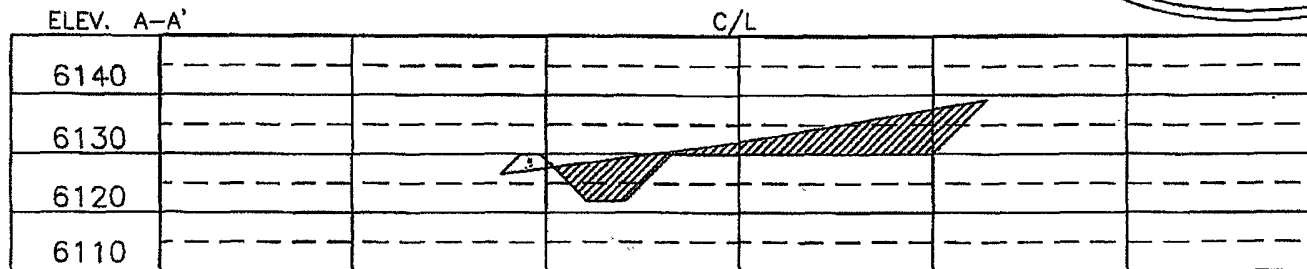
BURLINGTON RESOURCES OIL & GAS COMPANY LP

HUERFANITO UNIT No. 90M 2480 FNL 660 FEL

SECTION 1, T-26-N, R-9-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6130, DATE: OCTOBER 30, 2006

NAD 83
LAT. = 36.51711° N
LONG. = 107.73445° W
NAD 27
LAT. = 36°31.0258' N
LONG. = 107°44.0304' W



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: 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.

REVISION:	DATE:	REVISION BY:
 Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15068 • Farmington, NM 87401 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO L.S. 8894		
DRAWN BY: G.V.	CHECKED: BR652_CFB	
ROW: BR652	DATE: 11/03/06	