

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-080117 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD FEB 12 '08	
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name OIL CONS. DIV. Huerfanito Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name DIST. 3	
4. Location of Well Unit A (NENE), 1145' FNL & 675' FEL  Latitude 36.535718'N Longitude 107.751550'W	9. Well Number #98S	
	10. Field, Pool, Wildcat Basin Fruitland Coal	
	11. Sec., Twn, Rge, Mer. (NMPM) A Sec. 35, T27N, R9W API # 30-045- 84572	
14. Distance in Miles from Nearest Town Bloomfield, NM/36 Miles	12. County San Juan,	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 675'		
16. Acres in Lease 1040 Acres	17. Acres Assigned to Well FC 320.00 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1060' - Huerfanito Unit #98		
19. Proposed Depth 2364'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6353' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Patsy Clugston</u> Patsy Clugston, Regulatory Specialist	<u>1/21/08</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFEN

DATE 2/11/08

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 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

FEB 12 2008

NMOCD

AV

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

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

## 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

JAN 22 2008

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

Bureau of Land Management  
Farmington Field Office

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-34572	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name BASIN FRUITLAND COAL
<sup>4</sup> Property Code 7138	<sup>5</sup> Property Name HUERFANITO UNIT	<sup>6</sup> Well Number 98S
<sup>7</sup> OGRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	<sup>9</sup> Elevation 6353

<sup>10</sup> SURFACE LOCATION

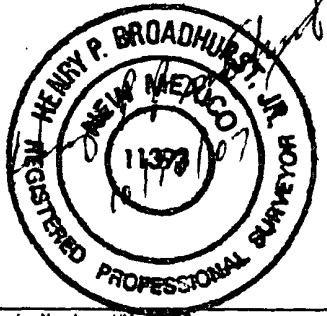
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	35	27-N	9-W		1145	NORTH	675	EAST	SAN JUAN

<sup>11</sup> 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
A									

<sup>12</sup> Dedicated Acres 320.00 E/2	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> N 89°20' W N 89°22'06" W	5249.0' (R) 5244.6' (M) 1145' 675' 2645.6' (R) 2643.9' (M) 230' E 226'58" E N	WELL FLAG NAD 83 LAT: 38.535718° N LONG: 107.751550° W NAD 27 LAT: 36°32.142566' N LONG: 107°45.056216' W	<sup>17</sup> 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 Printed Name Regulatory Technician Title and E-mail Address 10/30/07 Date
		E/2 DEDICATED ACREAGE USA SF-080117 SECTION 35 T-27-N, R-9-W	
		USA SF-078135 SECTION 35 T-27-N, R-9-W	
		<sup>18</sup> 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: 10/04/07 Signature and Seal of Professional Surveyor  Certificate Number: NM 11393	

Submit 3 Copies To Appropriate District  
Office  
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

# State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

## OIL CONSERVATION DIVISION

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

WELL API NO.

30-045- 34572

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

SF-080117

7. Lease Name or Unit Agreement Name

Huefanito Unit

8. Well Number

#98S

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Fruitland Coal

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 A : 1145' feet from the North line and 675 feet from the East line  
Section 35 Township 27N Rng 9W NMPM County San Juan

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

6353' GL

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

>100'

Distance from nearest fresh water well

>1000'

Distance from nearest surface water

<1000'

Pit Liner Thickness:

12

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 Pit

☒

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, Lined:

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 and pre-set mud pit will be lined 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 lined 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

*Patsy Clugston*

TITLE

Regulatory Specialist

DATE

1/7/2008

Type or print name

Patsy Clugston

E-mail address: [clugspl@conocophillips.com](mailto:clugspl@conocophillips.com)

Telephone No. 505-326-9518

For State Use Only

Deputy Oil & Gas Inspector,  
District #3

APPROVED BY

*[Signature]*

TITLE

DATE

FEB 12 2008

Conditions of Approval (if any):

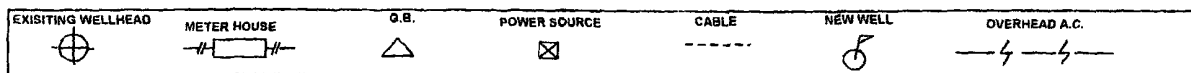
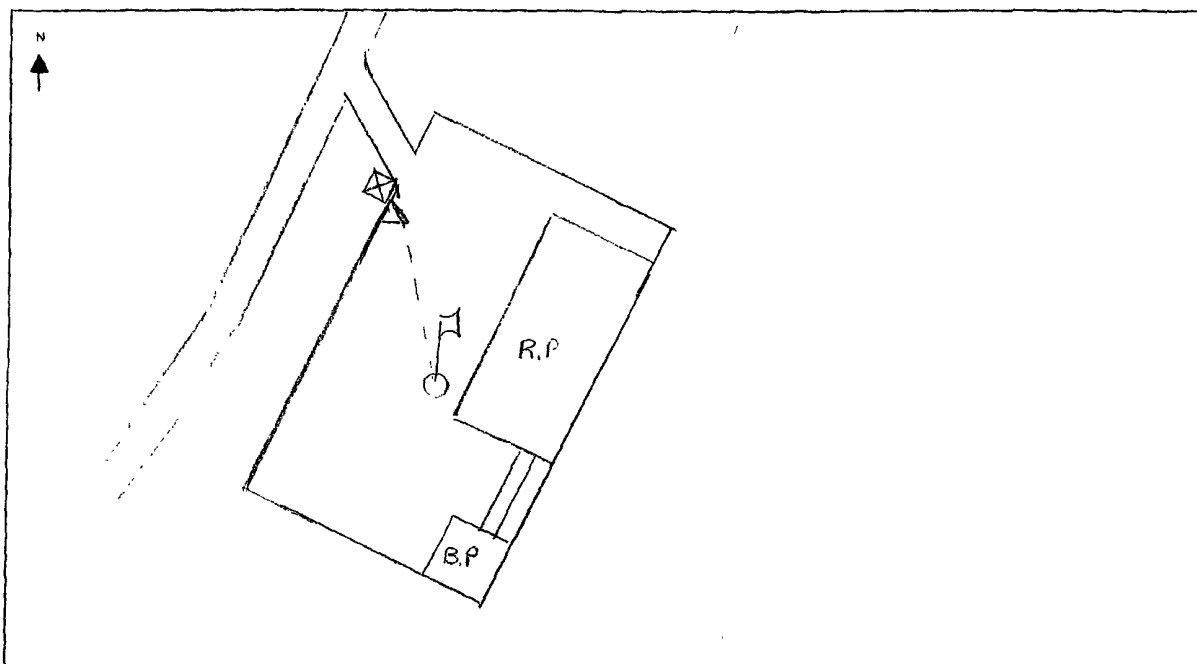


OFFICIAL COPY  
NOT FOR CONSTRUCTION

## CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Huerfano Unit #988 LEGALS A-35-21-9 COUNTY Santa Fe

PURPOSED C.P. SYSTEM: Drill GB and set solar on NW edge of location (9 inch dia access).  
Trench approx 150' of #5 cwg from proposed well to solar.



COMMENTS: 2 well solar

NEAREST POWER SOURCE \_\_\_\_\_ DISTANCE: \_\_\_\_\_  
PIPELINES IN AREA: \_\_\_\_\_

TECHNICIAN: Spencer Hingora DATE: 10/25/07

6 CR 5412 BLOOMFIELD, N.M. 87413  
OFFICE: 505-634-0271 CELL: 505-793-6953

*LoP*

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 98S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7376		AFE \$: 192,642.72	
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: Datum Code: NAD 27

Latitude: 36.535709	Longitude: -107.750936	X:	Y:	Section: 35	Range: 009W
Footage X: 675 FEL	Footage Y: 1145 FNL	Elevation: 6353 (FT)	Township: 027N		

Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
---------------------------	-----------------------------	------------------	--------------------

Formation Data: Assume KB = 6365	Units = FT
----------------------------------	------------

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6245	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1293	5072	<input type="checkbox"/>			
KIRTLAND	1468	4897	<input type="checkbox"/>			
FRUITLAND	1918	4447	<input type="checkbox"/>	200		Gas
PICTURED CLIFFS	2164	4201	<input type="checkbox"/>			Gas
Total Depth	2364	4001	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 365 cuft. Circulate cement to surface.

## Reference Wells:

Reference Type	Well Name	Comments
Intermediate	Huerfanito 98	

## Logging Program:

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

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

GR\_CBL

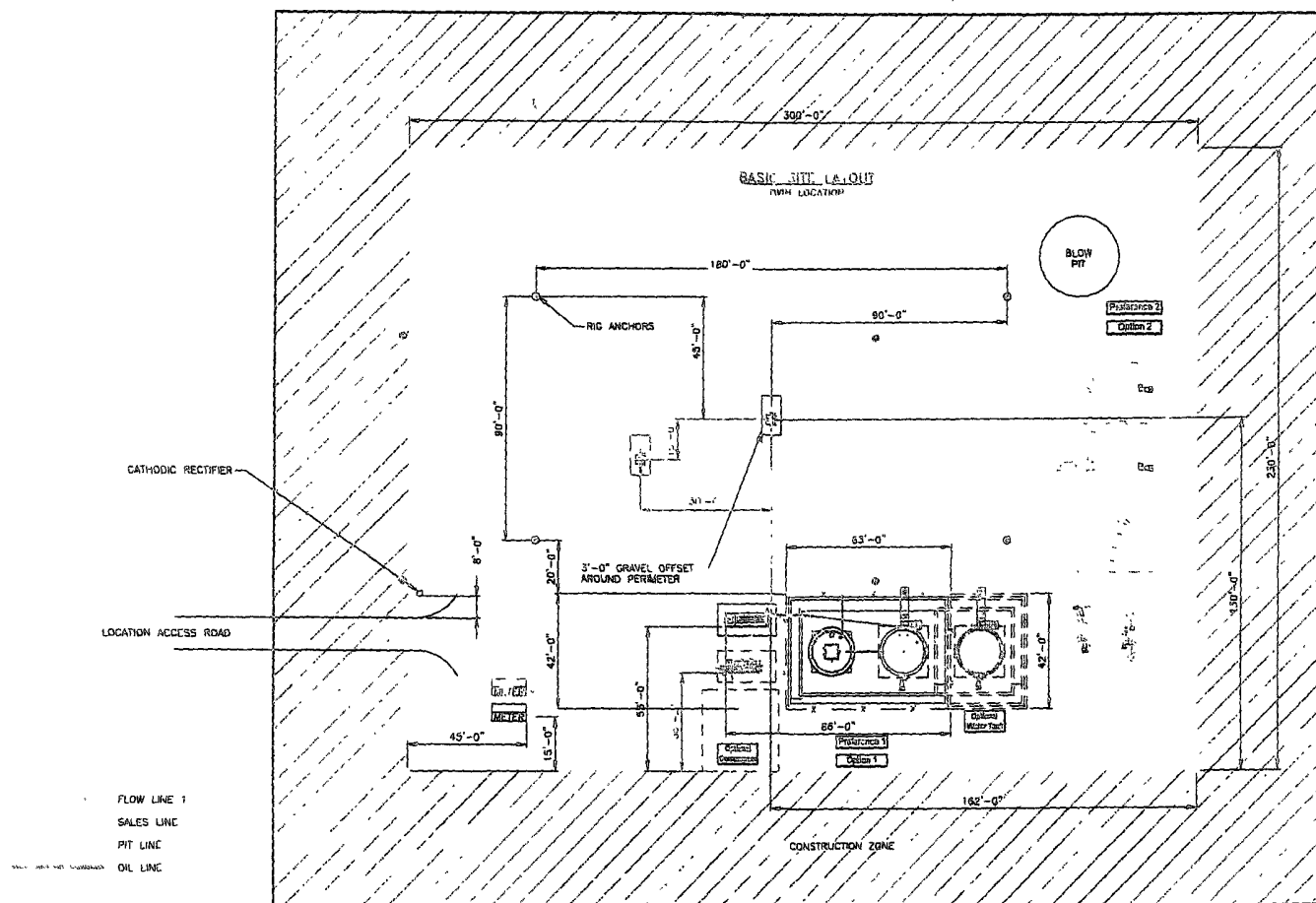
## Additional Information:

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

Comments: Location/Tops/Logging - FCNM027N009W35NE1 Do not twin and stay 800' away from Huerfanito 49-35, prefer A,H,B,G.


Zones - FCNM027N009W35NE1

General/Work Description - 8/7/07 Well name changed from FCNM027N009W35NE 1. (D. Temple)



SEE SHEET 3 & 4 FOR PIPING DETAILS  
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

ENGINEERING REVIEW								REFERENCE DRAWINGS		 CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT	
DATE		REVIEWED		DATE		R/R		DESCRIPTION		DRAWN BY: _____ CHECKED BY: _____ DATE: _____	
PROCESS										CLEVER: J.P.S. SCALE: 1"=100' DATE: 12/15/04	
MECHANICAL										PROJECT NO.: 12121504-0001-0001	
Piping										SHEET NO.: 1 of 4	
ELECTRICAL										HP3PHASE-REV1	
I & C										12/15/04	
CIVIL/STRUCTURAL										12/15/04	
DESCRIPTION		DATE		BY		COW		ETG		DSC	

SAN JUAN BUSINESS UNIT

CONOCOPHILLIPS  
HIGH PRESSURE 3 PHASE  
FACILITY DIAGRAM- SITE LAYOUT

CLSTR APP	APP DATE
SCALE: NONE	CREATION D
GND. No.	
HP3PHASE-REV1	

SHIELD No.	
( or S	△

