

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 18 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078135	Farmington Field Office Bureau of Land Management
1b. Type of Well GAS	6. If Indian, All. or Tribe Unit Reporting Number NMNM-783940	
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		
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 OIL CONS. DIV. DIST. 3	RCVD JUL 25 '11
4. Location of Well Surface: Unit C(NENW), 570' ENL & 2370' FWL Surface: Latitude: 36.508405° N (NAD83) Longitude: 107.777215° W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Unit C, Sec. 10, T26N, R9W API # 30-045-35188	
14. Distance in Miles from Nearest Town 25.2 miles to Bloomfield NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 570'		
16. Acres in Lease 2241.880	17. Acres Assigned to Well 320.00 N/2 (FC)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1435' from Huerfanito Unit 69 (PC)		
19. Proposed Depth 2240'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6304' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Dellie L. Busse</u> Dellie L. Busse (Staff Regulatory Tech)	8-17-10 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

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

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

AUG 11 2011

NMOCD

AV

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".

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

RECEIVED

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
AUG 18 2010 State Lease - 4 Copies
Fee Lease - 3 Copies

Farmington Field Office
Bureau of Land Management ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-35188		2 Pool Code 71629		3 Pool Name BASIN FRUITLAND COAL		
4 Property Code 7138		5 Property Name HUERFANITO UNIT			6 Well Number 70S	
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			9 Elevation 6304'	

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
C	10	26-N	9-W		570	NORTH	2370	WEST	SAN JUAN

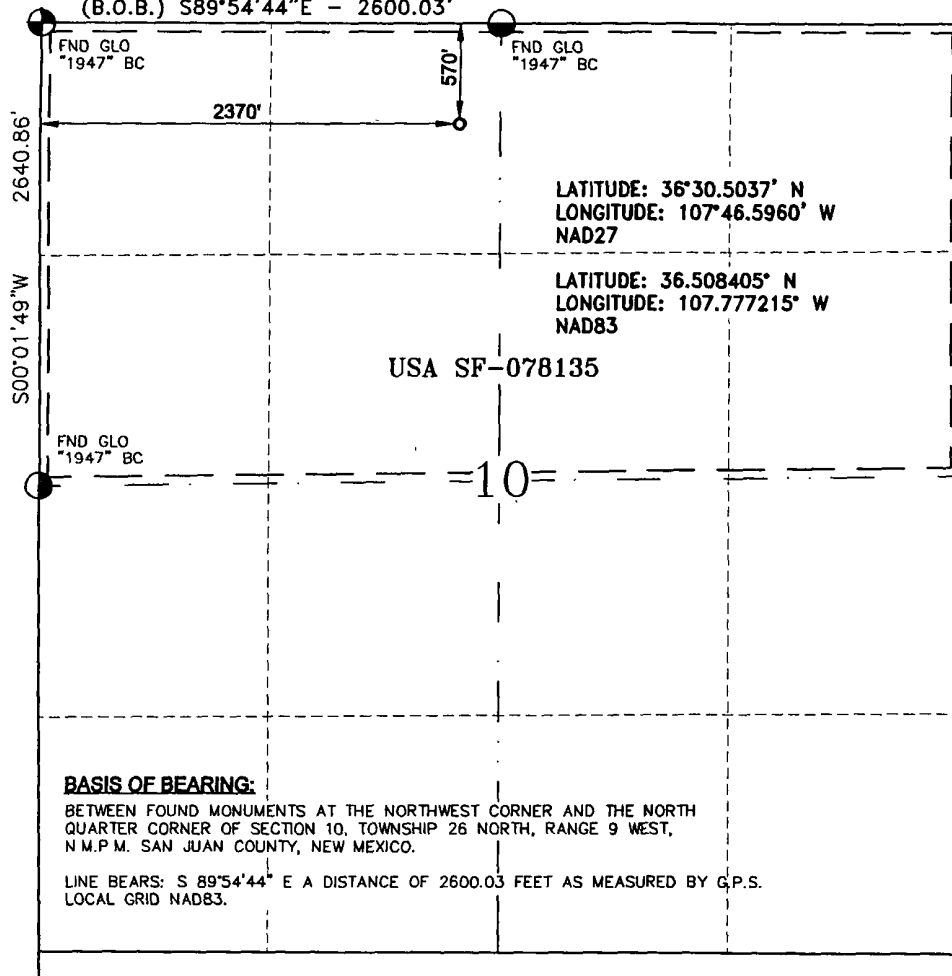
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres FC 320.00 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

16

(B.O.B.) S89°54'44"E - 2600.03'



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.

Signature

Dollie L. Busse
Printed Name

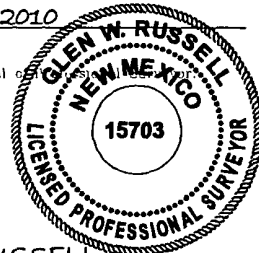
18 SURVEYOR CERTIFICATION

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.

APRIL 15, 2010

Date of Survey

Signature and Seal of



GLEN W. RUSSELL

Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 70S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9400		AFE \$: 561,510.00	
Field Name: SAN JUAN		Rig: XXX 2012 Holding		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
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: 36.508396	Longitude: -107.776601	X:	Y:	Section: 10	Range: 009W
Footage X: 2370 FWL	Footage Y: 570 FNL	Elevation: 6304	(FT)	Township: 026N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2012	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6319	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6199		<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1182	5137		<input type="checkbox"/>			
KIRTLAND	1329	4990		<input type="checkbox"/>			
FRUITLAND	1599	4720		<input type="checkbox"/>			Gas
FRUITLAND COAL	1798	4521		<input type="checkbox"/>			
PICTURED CLIFFS	2040	4279		<input type="checkbox"/>	108		Gas; TD - 200' below T/PCCF
Total Depth	2240	4079		<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 301 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Huerfanito Unit 70R	26N 9W 10 SW NE
Production	Huerfanito Unit 80F	26N 9W 10 SE NW NW
Production	Huerfanito Unit 80	26N 9W 10 NW NE

Logging Program:

Intermediate Logs: <input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo
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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
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Cased Hole GR / CBL

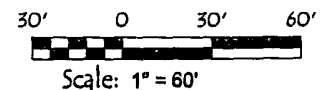
Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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HUERFANITO UNIT #70S, 570' FNL & 2370' FWL
SECTION 10, T-26-N, R-9-W, NMPM, SAN JUAN COUNTY, NM
GROUND ELEVATION: 6304', DATE: MARCH 18, 2010



1. VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. 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.
2. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).



Directions from the Intersection of Hwy 550 &
Hwy 64 in Bloomfield, NM

To:

Burlington Resources Oil & Gas Company LP

HUERFANITO UNIT #70S

570' FNL & 2370' FWL,

Section 10, T26N, R9W, N.M.P.M., San Juan County,

New Mexico

Latitude: 36° 30' 30.258" N

Longitude: 107° 46' 37.973" W

Nad 1983

From the Intersection of Hwy 550 &

Hwy 64 in Bloomfield, NM

Take Hwy 550 (south) for 15.8 miles to CR 7225

Turn left (east) on CR 7225 for 4.5 miles,

Turn right (easterly) for 4.2 miles,

Turn right (southerly) 0.1 miles,

Turn left (easterly) 0.2 miles,

Turn right (south-southeasterly) 0.4 miles,

To beginning of new access on right side of road,

Turn right (southerly) 131.00' to newly staked location.