

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 08 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-078135 Unit Reporting Number NMNM-78394D-FC	
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 RCVD MAR 18 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Unit F (SENW), 1670' FNL & 1700' FWL Latitude: 36.519663° N (NAD83) Longitude: 107.744101° W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 1, T26N, R9W API # 30-045-35120	
14. Distance in Miles from Nearest Town 27 miles / Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1670'		
16. Acres in Lease 2,241.880	 H₂S POTENTIAL EXIST	17. Acres Assigned to Well 320.18 W/2 - FC
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 63' from Huerfanito Unit 87A		
19. Proposed Depth 2148' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6179' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>3/8/2010</u>	

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 2

Bond Numbers NMB-000015 and NMB-000089

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOC FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOC PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

MAR 19 2010

NMOC

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

IMPORTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

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

Form C-102
Revised October 12, 2005

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

MAR 08 2010

Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35120	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 7138	⁵ Property Name HUERFANITO UNIT	⁶ Well Number 152S
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6179'

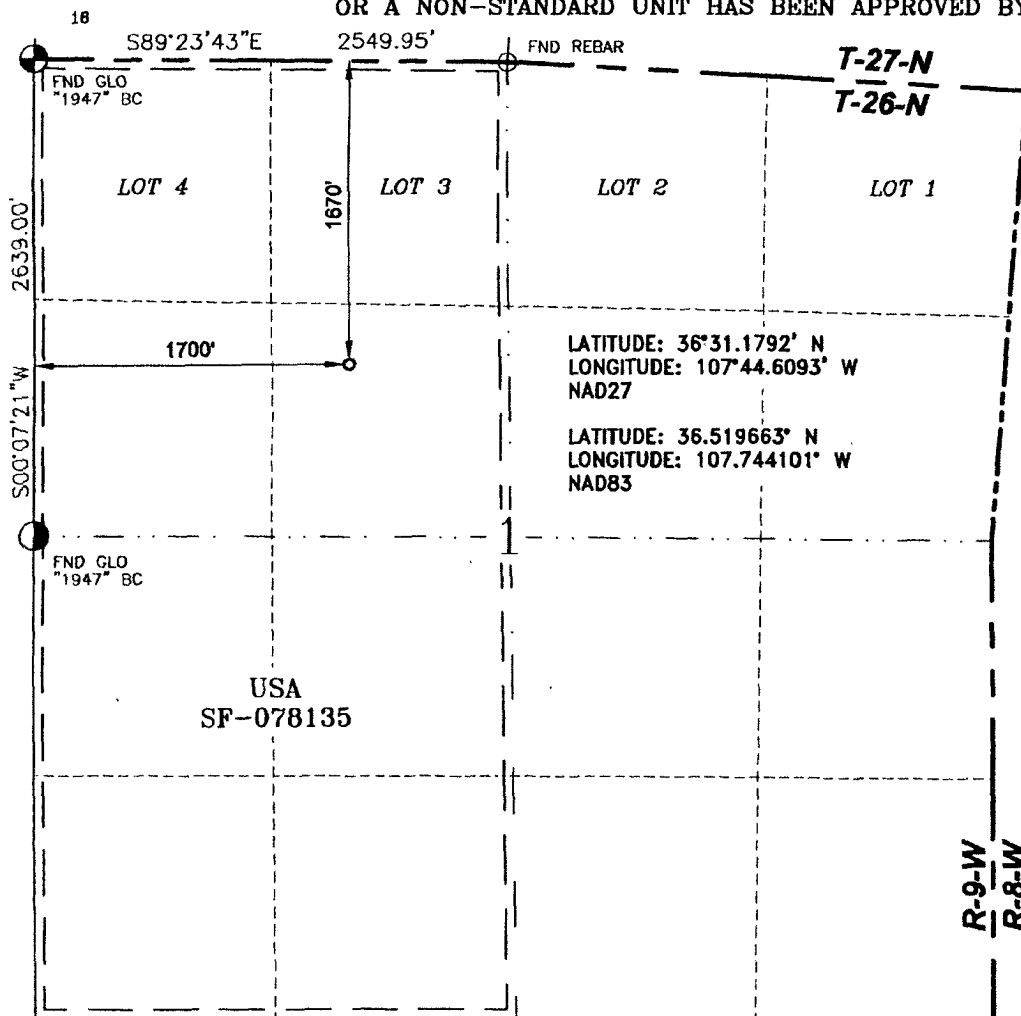
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	1	26-N	9-W		1670	NORTH	1700	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
F									
¹² Dedicated Acres FC 320.18 ACRES W/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



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.

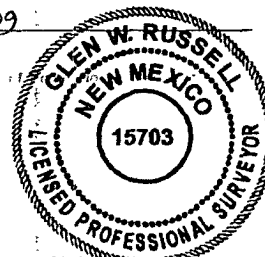
Tracey N. Monroe 7/15/09
Signature
Tracey N. Monroe
Printed Name

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.

JULY 7, 2009
Date of Survey

Signature and Seal of



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 152S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9072		AFE \$: 928,823.84	
Field Name: SAN JUAN		Rig: XXX 2011 Holding Rig #2		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
JCV	BASIN FRUITLAND COAL (GAS)				

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.519654	Longitude: -107.743488	X:	Y:	Section: 01	Range: 009W
Footage X: 1700 FWL	Footage Y: 1670 FNL	Elevation: 6179	(FT)	Township: 026N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6190 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	120	6070	☐		
OJO ALAMO	1126	5064	☐		
KIRTLAND	1280	4910	☐		
FRUITLAND	1548	4642	☐	184	Gas
FRUITLAND COAL	1775	4415	☐		
PICTURED CLIFFS	1948	4242	☐		Gas; TD - 200' below T/PCCF
Total Depth	2148	4042	☐		6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 330 cuft. Circulate cement to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Huerfanito 87-A	26N 9W 1 NW SE NW
Production	Huerfanito 12-1	26N 9W 1 SE NW NW

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
Cased Hole GR / CBL	

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

Comments:

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

To:

Burlington Resources Oil & Gas Company LP
HUERFANITO UNIT 152S
1670' FNL & 1700' FWL,
Section 1, T26N, R9W, N.M.P.M., San Juan County,
New Mexico

Latitude: 36° 31' 10.787" N
Longitude: 107° 44' 38.765" W
Nad 1983

From the Intersection of Hwy 550 and Hwy 64,
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) 2.4 miles,
Turn left (north) 0.1 miles,
Turn left (west) 250' To newly Staked Location Twinned with
existing Location (Huerfanito Unit #87A)