

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NM-02515 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company 14538	7. Unit Agreement Name Huerfano Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 7139 Huerfano Unit 9. Well Number 121E
4. Location of Well 1800' FSL, 1190' FWL Latitude 36° 27.4, Longitude 107° 52.5	10. Field, Pool, Wildcat 71599 Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec 27, T-26-N, R-10-W API # 30-045-29530
14. Distance in Miles from Nearest Town 20 miles to Bloomfield	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1190	
16. Acres in Lease This action is subject to regulatory and procedural review pursuant to 43 CFR 3165.2 and appeal pursuant to 43 CFR 3165.4.	17. Acres Assigned to Well 320 W/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1800'	
19. Proposed Depth 6742' DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED 'GENERAL REQUIREMENTS'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6670'	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Roman Brackfield</u> (Regulatory/Compliance Administrator)	<u>2-17-98</u> Date

PERMIT NO. _____ APPROVAL DATE MAR 05 1998
APPROVED BY /s/ Duane W. Spencer TITLE _____ DATE MAR - 9 1998

Archaeological Report to be submitted
Threatened and Endangered Species Report to be submitted
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-29550		*Pool Code 71599	*Pool Name Basin Dakota
*Property Code 7139	*Property Name HUERFANO UNIT		*Well Number 121E
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6670'

¹⁰ Surface Location

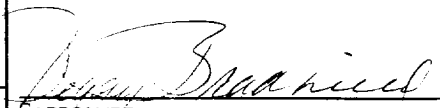
UL or lot no. L	Section 27	Township 26N	Range 10W	Lot Idn	Feet from the 1800	North/South line South	Feet from the 1190	East/West line West	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres W/320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

5285.94'		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Peggy Bradfield Printed Name Regulatory Administrator Title 2/17/98 Date	
5293.20'	NM-02515	27	5290.56'
1190'	1800'	5284.62'	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. DECEMBER 16, 1997 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number

OPERATIONS PLAN

Well Name: Huerfano Unit #121E
Location: 1800' FSL, 1190' FWL Section 27, T-26-N, R-10-W
 San Juan County, New Mexico
 Latitude 36° 27.4, Longitude 107° 52.5
Formation: Basin Dakota
Elevation: 6670' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	Nacimiento	1110'	
Ojo Alamo	1110'	1228'	aquifer
Kirtland	1228'	1566'	
Fruitland	1566'	2069'	gas
Pictured Cliffs	2069'	2231'	gas & oil
Lewis	2231'	2432'	gas
Mesa Verde	2432'	2960'	gas
Chacra	2960'	3628'	
Massive Cliff House	3628'	3670'	gas
Menefee	3670'	4453'	gas
Massive Point Lookout	4453'	4755'	gas
Mancos	4755'	5487'	
Gallup	5487'	6437'	gas
Greenhorn	6437'	6587'	gas
Dakota	6587'		gas & oil
Total Depth	6742'		

Logging Program:

Mud Logs/Coring/DST -
 Mud logs - 5300' to TD.
 Coring - none
 DST - none
 Electric logs - DIL/SP/GR; Density/Neut/GR; Microlog-GR;

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 320'	Spud	8.4-8.9	40-50	no control
320-6742'	LSND	8.4-9.0	40-60	no control

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 320'	8 5/8"	24.0#	K-55
7 7/8"	0' - 6742'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 6742' 2 3/8" 4.7# J-55 EUE

BURLINGTON RESOURCES OIL & GAS COMPANY HUERFANO UNIT #121E
1800' FSL & 1190' FWL, SECTION 27, T26N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

1900' BLM NEW CONSTRUCTION
600' NW/SW SECTION 27, T26N, R10W
250' NE/SW SECTION 27, T26N, R10W
1050' SE/NW SECTION 27, T26N, R10W

