

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078422 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES 14538 Oil & Gas Company	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 302	
4. Location of Well 825' FNL, 1520' FWL - surface 1550' FNL, 1450' FEL - bottomhole Latitude 36° 32.2, Longitude 107° 55.4	10. Field, Pool, Wildcat 2170 Angels Peak Gallup 11. Sec., Twn, Rge, Mer. (NMPM) C Sec 31, T-27-N, R-10-W API # 30-045-29579	
14. Distance in Miles from Nearest Town 14 miles to Huerfano	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 825'	17. Acres Assigned to Well 327.9 N/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 600'	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 5562'	21. Elevations (DF, FT, GR, Etc.) 6057' GR	
23. Proposed Casing and Cementing Program See Operations Plan attached	22. Approx. Date Work will Start	
24. Authorized by: <u>Donna Shapfield</u> Regulatory/Compliance Administrator	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" 2-28/98 Date	

PERMIT NO. _____

APPROVAL DATE

MAY 10 1998 APR 10 1999

APPROVED BY /s/ Joe Hewitt

TITLE _____

DATE APR 10 1998

Archaeological Report submitted by Arboles Contract Arch Tech Report #1197 dated 1-16-98

Threatened and Endangered Species Report submitted by Ecosphere

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.

NMOC

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

District II
PO Drawer 00, 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

Form C-102
Revised February 21, 1991
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

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MAR - 9 PM 2:33

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-29579	² Pool Code 2170	³ Pool Name Angels Peak Gallup
⁴ Property Code 7139	⁵ Property Name HUERFANO UNIT	⁶ Well Number 302
⁷ GSRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 6057'

¹⁰ Surface Location

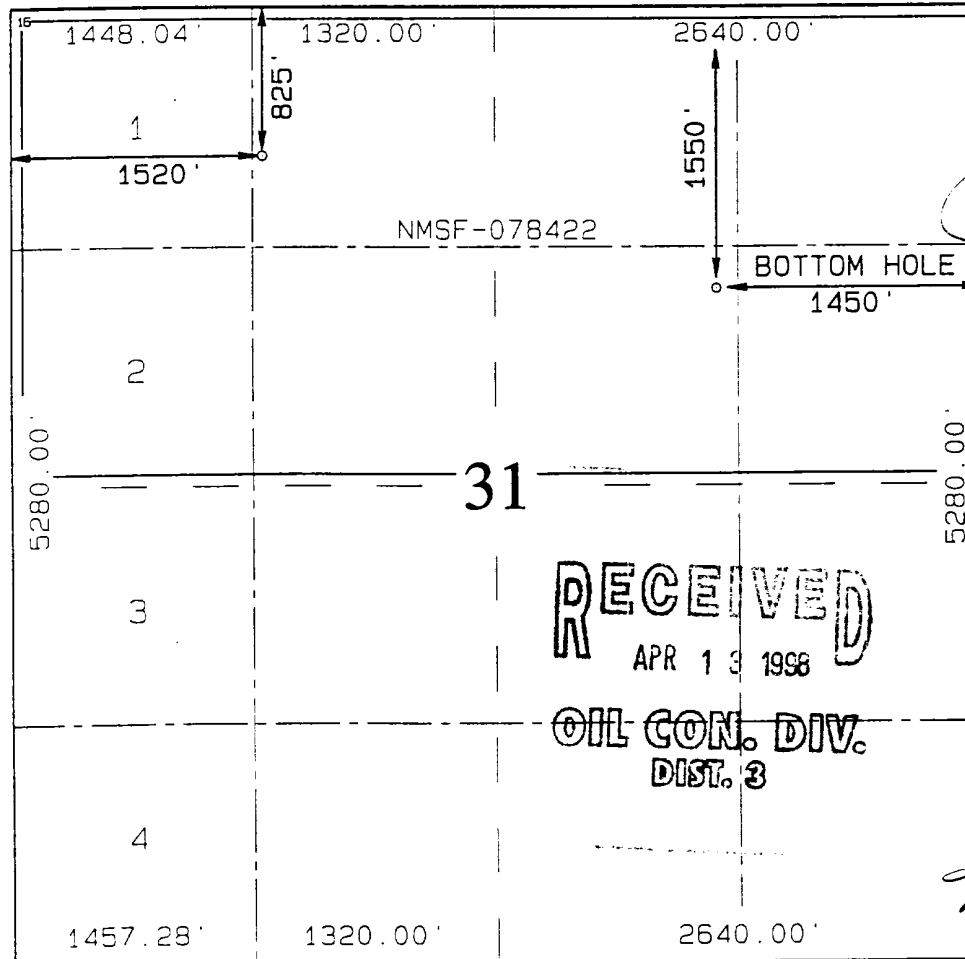
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	31	27N	10W		825	NORTH	1520	WEST	SAN JUAN

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
G	31	27N	10W		1550	NORTH	1450	EAST	SAN JUAN

¹² Dedicated Acres N/327.9	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



¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Peggy Bradford
Signature
Peggy Bradford
Printed Name
Regulatory Administrator
Title
4-15-98
Date

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.

NOVEMBER 19, 1997
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
6857
Certificate Number
PROFESSIONAL SURVEYOR

OPERATIONS PLAN

Well Name: Huerfano Unit #302
Location: 825' FNL, 1520' FWL Section 31, T-27-N, R-10-W - surface
 1550' FNL, 1450' FEL Section 31, T-27-N, R-10-W - bottom hole
 San Juan County, New Mexico
 Latitude 36° 32.2, Longitude 107° 55.4
Formation: Angels Peak Gallup
Elevation: 6057' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	Nacimiento	659'	aquifer
Ojo Alamo	659'	764'	aquifer
Kirtland	764'	1438'	
Fruitland	1438'	1649'	gas
Pictured Cliffs	1649'	1996'	gas
Lewis	1996'	2532'	gas
Chacra	2532'	3067'	gas
Mesa Verde	3067'	3272'	gas
Menefee	3272'	4045'	gas
Point Lookout	4045'	4490'	gas
Mancos	4490'	5181'	
Niobrara	5181'	5542'	gas
Tocito	5542'		gas
Total Depth	5562'		

Logging Program:

Cased hole logging - Gamma Ray Neutron
 Coring/DST - none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 320'	Spud	8.4-9.0	40-50	no control
320-5400' TVD 5402' MD	LSND -	8.4-9.0	30-60	no control
5400' TVD-5817' TVD 8127' MD	Gas/Mist	n/a	n/a	n/a

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

Casing Program (as listed, the equivalent, or better):

<u>Hole Size</u>	<u>Measured Depth</u>	<u>TVD</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	320'	0- 320'	9 5/8"	32.3#	H-40
8 1/2"	5202'	0-5200'	7"	20.0#	J-55
6 1/4"	8000'	5050-5562'	4 1/2"	10.5#	J-55

Tubing Program: 0' - 5562' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
 After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

BURLINGTON RESOURCES OIL & GAS COMPANY HUERFANO UNIT #302

825' FNL 1520' FWL SEC 31, T27N, R10W
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

80' BLM NEW CONSTRUCTION
NWNW SECTION 31, T27N, R10W

EXISTING
R.O.W. ●

NEW B.L.M.
R.O.W.

