

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NM-03154
1b. Type of Well GAS	Unit Reporting Number 070 FARMINGTON, NM
2. Operator BURLINGTON RESOURCES 14538 Oil & Gas Company	6. If Indian, All. or Tribe
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name Huerfano Unit
4. Location of Well 1850' FNL, 790' FEL - surface 1100' FNL, 2020' FWL - bottomhole Latitude 36° 29.4, Longitude 107° 46' 2"	8. Farm or Lease Name 7139 Huerfano Unit
	9. Well Number 299
	10. Field, Pool, Wildcat 2170 Angels Peak Gallup
	11. Sec., Twn, Rge, Mer. (NMPM) H Sec 15, T-26-N, R-9-W API # 30-045-29588
14. Distance in Miles from Nearest Town 6 miles to Huerfano	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 790'	13. State NM
16. Acres in Lease	17. Acres Assigned to Well 320 N/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 200'	
19. Proposed Depth 5817'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6272' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Administrator	<u>2/28/98</u> Date

PERMIT NO. _____

APPROVAL DATE MAR 26 1998

APPROVED BY /s/ Duane W. Spencer

TITLE _____

DATE MAR 26 1998

Archaeological Report submitted by Arboles Contract Arch Tech Report #1198 dated 1-17-98

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 CD, 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-100
Revised February 21, 1997

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

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

98 MAR -9 PM 2:34 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-29588	² Pool Code 2170	³ Pool Name Angels Peak Gallup
⁴ Property Code 7139	⁵ Property Name HUERFANO UNIT	⁶ Well Number 299
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 6272'

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
H	15	26N	9W		1850	NORTH	790	EAST	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
C	15	26N	9W		1100	NORTH	2020	WEST	SAN JUAN

¹² Dedicated Acres N/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

<div><p>¹⁶</p><p>5204.75'</p><p>1100'</p><p>BOTTOM HOLE</p><p>2020'</p><p>NMNM-03154</p><p>1850'</p><p>790'</p><p>5280.66'</p><p>15</p><p>5280.00'</p><p>5203.44'</p></div>	<div><p>¹⁷ OPERATOR CERTIFICATION</p><p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p><p><i>Peggy Bradfield</i></p><p>Signature</p><p>Peggy Bradfield</p><p>Printed Name</p><p>Regulatory Administrator</p><p>Title</p><p>4-1-98</p><p>Date</p></div> <div><p>¹⁸ SURVEYOR CERTIFICATION</p><p>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.</p><p>NOVEMBER 12, 1997</p><p>Date of Survey</p><p>Signature and Seal of Professional Surveyor</p><p>NEALE C. EDWARDS</p><p>NEW MEXICO</p><p>6857</p><p>6857</p><p>Certificate Number</p></div>
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OPERATIONS PLAN

Well Name: Huerfano Unit #299
Location: 1850' FNL, 790' FEL Section 15, T-26-N, R-9-W - surface
 1100' FNL, 2020' FWL Section 15, T-26-N, R-9-W - bottom hole
 San Juan County, New Mexico
 Latitude 36° 29.4, Longitude 107° 46.2
Formation: Angels Peak Gallup
Elevation: 6272' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	Nacimiento	1130'	aquifer
Ojo Alamo	1130'	1238'	aquifer
Kirtland	1238'	1812'	
Fruitland	1812'	1956'	gas
Pictured Cliffs	1956'	2056'	gas
Lewis	2056'	2845'	gas
Chacra	2845'	3529'	gas
Mesa Verde	3529'	3627'	gas
Menefee	3627'	4378'	gas
Point Lookout	4378'	4820'	gas
Mancos	4820'	5434'	
Niobrara	5434'	5795'	gas
Tocito	5795'		gas
Total Depth	5817'		

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>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	320'	0- 320'	9 5/8"	32.3#	H-40
8 1/2"	5402'	0-5400'	7"	20.0#	J-55
6 1/4"	8127'	5250-5817'	4 1/2"	10.5#	J-55

Tubing Program: 0' - 5817' 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.

1850' FNL 790' FEL SEC 15, T26N, R9W
SAN JUAN COUNTY, NEW MEXICO

