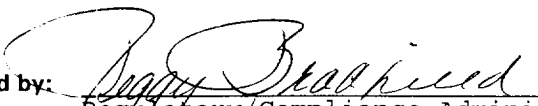


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NM-01051 Unit Reporting Number	53170 Jan 11 1999 SF080895
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES 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 Huerfano Unit Well Number 19R	1139
4. Location of Well 1130' FNL, 1530' FEL Latitude 36° 31.3, Longitude 107° 54.9	10. Field, Pool, Wildcat West Kutz Pict'd Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 5, T-26-N, R-10-W API # 30-045-29777	
14. Distance in Miles from Nearest Town 16 miles to Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1130'		
16. Acres in Lease	17. Acres Assigned to Well 160.00	
18. Distance from Proposed Location to Nearest Well, Drlg. Compl. or Applied for on this Lease 300'		
19. Proposed Depth 1965'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6173' 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:  Regulatory/Compliance Administrator	Date 1-4-99	

PERMIT NO. _____ APPROVAL DATE JAN 13 1999
APPROVED BY _____ TITLE _____ DATE 1/13/99

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

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 KK, Artesia, NM 87211-0719
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-10
Revised February 21, 1995
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

99 JAN -5 PM 1:37

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-29777		2 Pool Code 79680		3 Pool Name Kutz Pictured Cliffs West	
4 Property Code 7139		5 Property Name HUERFANO UNIT			6 Well Number # 19R
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			9 Elevation 6173

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
B	5	26 N	10 W		1130	NORTH	1530	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

12 UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
NE/160									
13 Dedicated Acres NE/160		14 Joint or Infill		15 Consolidation Code		16 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				17 OPERATOR CERTIFICATION			
<p>RECEIVED JAN 15 1999 OIL CON. DIV. DIST. 3 NMNM 01051</p>				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 12-15-98 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.							
October 4, 1998 Date of Survey							
Signature and Seal of Registered Surveyor							
<p>7016 Certificate Number</p>							

OPERATIONS PLAN

Well Name: Huerfano Unit #19R
Location: 1130' FNL, 1530' FEL, Section 5, T-26-N, R-10-W
 San Juan County, New Mexico
 Latitude 36° 31.3, Longitude 107° 54.9
Formation: Kutz Pictured Cliffs West
Elevation: 6173' GR

Formation:	Top	Bottom	Contents
Surface	Nacimiento	760'	
Ojo Alamo	760'	890'	aquifer
Kirtland	890'	1440'	
Fruitland	1440'	1765'	gas
Pictured Cliffs	1765'		gas
Total Depth		1965'	

Logging Program: SP - Hi Res Ind/Caliper from TD to Surface Casing
 Bulk Den & Den/Neut from TD to top of Kirtland

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0 - 120'	Spud	8.4-9.0	40-50	no control
120-1965'	Non-dispersed	8.4-9.5	30-60	no control

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

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
8 3/4"	0 - 120'	7"	20.0#	J-55
6 1/4"	0 - 1965'	3 1/2"	9.3#	J-55

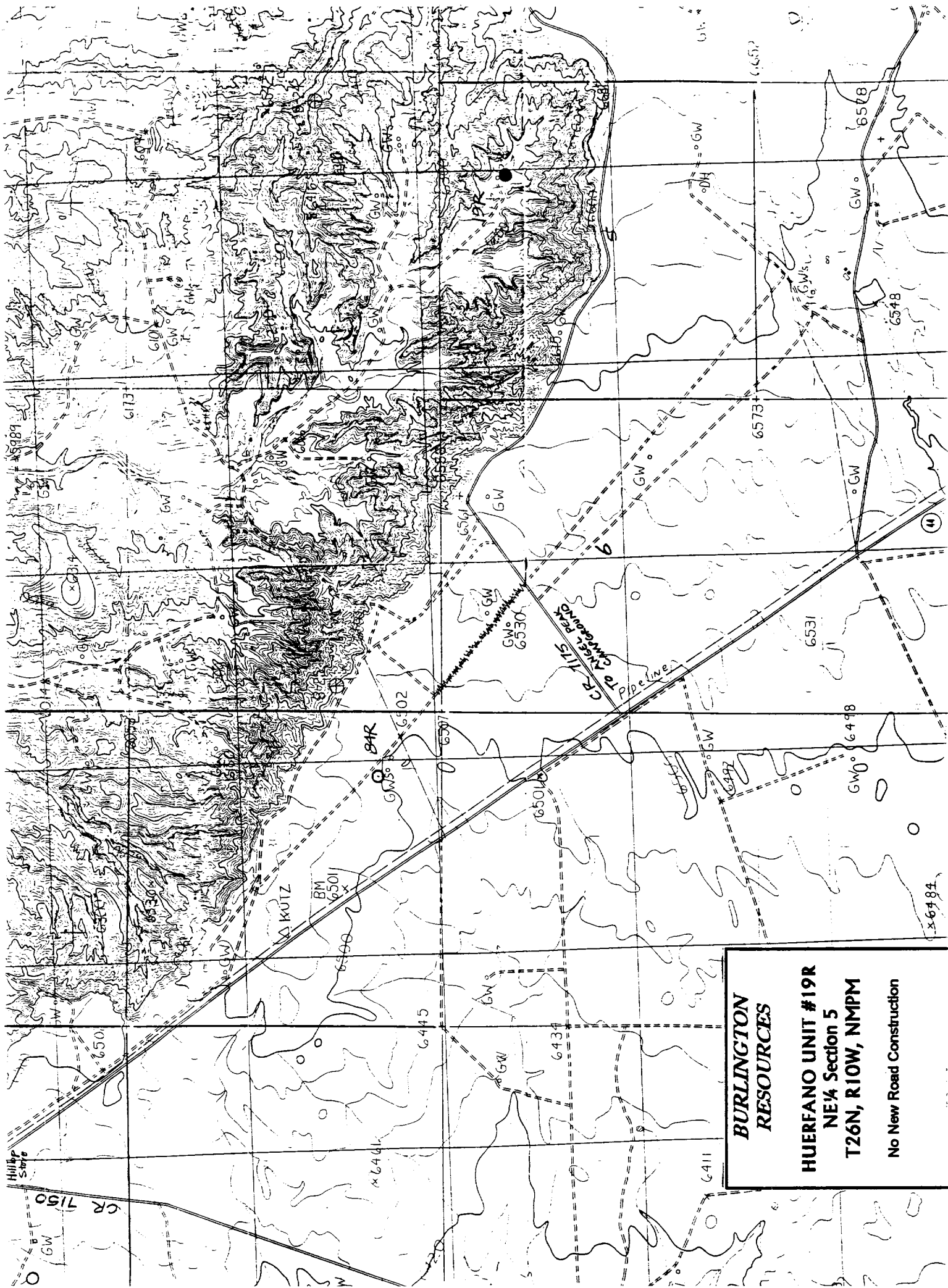
Tubing Program:

0 - 1965'	1 1/2"	2.4#	IJ
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Float Equipment: 7" surface casing - saw tooth guide shoe.
 Centralizers will be run in accordance with Onshore Order #2.

3 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Four centralizers run every 3rd joint to the base of the Ojo Alamo @ 890'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 890'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 3 1/2" x 1 1/2" x 11" 2000 psi screw on independent wellhead.



**BURLINGTON
RESOURCES**

**HUERFANO UNIT #19R
NE 1/4 Section 5
T26N, R10W, NMPM**

No New Road Construction