

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 SF-078716A Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Hubbell 9. Well Number 21	
4. Location of Well 920' FSL, 1420' FWL Latitude 36° 44.1, Longitude 107° 55.7	10. Field, Pool, Wildcat Aztec Pictured Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 7, T-29-N, R-10-W API# 30-045-29734	
14. Distance in Miles from Nearest Town 3 miles to Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 920'	17. Acres Assigned to Well 145.90	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 500'	
19. Proposed Depth 2222'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5698' 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	11-6-98 Date	

PERMIT NO. _____ APPROVAL DATE APR 19 1999
APPROVED BY _____ TITLE _____ DATE _____

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.

NMOCD

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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

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

¹ API Number 30-045- <i>29734</i>	² Pool Code 71280	³ Pool Name Aztec Pictured Cliffs
⁴ Property Code 7133	⁵ Property Name HUBBELL	⁶ Well Number 21
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 5698'

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
N	7	29N	10W		920	SOUTH	1420	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

¹² Dedicated Acres SW/145.90	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

¹⁶ 1094.94'	1203.18'	2694.78'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Administrator Title 11-6-98 Date
8	7	6	5
2596.44'			
9	10	11	12
		RECEIVED APR 21 1993 OIL CON. DIV. DIST. 3	
		7	
			5220.60'
16	15	14	13
2593.80'			
	NMSF-078716A		
1420'			
17	18	19	20
1203.84'	1294.26'	2589.18'	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. AUGUST 6, 1998 Date of Survey Signature and Seal of Professional Surveyor <i>NEALE C. EDWARDS</i> NEW MEXICO 6857 Certificate Number

OPERATIONS PLAN

Well Name: Hubbell #21
Location: 920' FSL, 1420' FWL, Section 7, T-29-N, R-10-W
 San Juan County, New Mexico
 Latitude 36° 44.1', Longitude 107° 55.7'
Formation: Aztec Pictured Cliffs
Elevation: 5698'GR

Formation:	Top	Bottom	Contents
Surface	Nacimiento	805'	
Ojo Alamo	805'	905'	aquifer
Kirtland	905'	1813'	
Fruitland	1813'	2022'	gas
Pictured Cliffs	2022'		gas
Total Depth	2222'		

Logging Program: None Csd. hole GR/CCL
 CEH 11/16/98

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2222'	Non-dispersed	8.4-9.5	30-60	no control

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
8 3/4"	0 - 120'	7"	20.0#	J-55
6 1/4"	0 - 2222'	3 1/2"	9.3#	J-55

Tubing Program: - none

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 @ 905'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 905'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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

BURLINGTON RESOURCES OIL & GAS COMPANY HUBBELL #21

920' FSL & 1420' FWL, SECTION 7, T29N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

400' NEW BLM CONSTRUCTION
SE/SW SECTION 7, T29N, R10W

