

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-04224 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
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Quitau 7408 9. Well Number 8R
4. Location of Well 2100' FNL, 2255' FEL Latitude 36° 24.9, Longitude 107° 39.0	10. Field, Pool, Wildcat Ballard Pic.Cliffs 71439 11. Sec., Twn, Rge, Mer. (NMPM) G Sec 11, T-25-N, R-8-W API # 30-045-29603
14. Distance in Miles from Nearest Town 10 miles to Huerfano	12. County SJ 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 2100'	17. Acres Assigned to Well 160
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1900'	
19. Proposed Depth 2975'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7117' 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: <i>[Signature]</i> Regulatory/Compliance Administrator	Date: 4/17/98

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY: /s/ Duane W. Spencer 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.

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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

7 11:48 AM AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045		*Pool Code 71439	*Pool Name Ballard Pictured Cliffs
*Property Code 7408	*Property Name QUITZAU		*Well Number 8R
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 7117'

¹⁰ Surface Location

UL or lot no. G	Section 11	Township 25N	Range 8W	Lot Idn	Feet from the 2100	North/South line NORTH	Feet from the 2255	East/West line EAST	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 160	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 11	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 4/17/98 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. JANUARY 28, 1998 Date of Survey Signature and Seal of Professional Surveyor Certificate Number

April 17, 1998

OPERATIONS PLAN

Well Name: Quitzau #8R
Location: 2100' FNL, 2255' FEL Section 11, T-25-N, R-8-W
 San Juan County, New Mexico
 Latitude 36° 24.9', Longitude 107° 39.0
Formation: Ballard Pictured Cliffs
Elevation: 7117' GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1952'	
Ojo Alamo	1952'	2167'	aquifer
Kirtland	2167'	2634'	
Fruitland	2517'	2772'	
Upper Coal	2690'	2762'	gas
Basal Coal	2762'	2772'	gas
Pictured Cliffs	2772'		gas
Total Depth	2972'		

Logging Program: Hi Res Ind, Den/Neut, MRL/GR to Total Depth.

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
120-2972'	LSND	8.4-9.0	40-60	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#	K-55
6 1/4"	0 - 2972'	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 @ 2167'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2167'. 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.

SAN JUAN COUNTY, NEW MEXICO

NO NEW CONSTRUCTION
SWNE SECTION II, T25N, R8W

