

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-078385A Unit Reporting Number
1b. Type of Well GAS	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 Howell L 9. Well Number 6
4. Location of Well 920' FNL, 995' FEL Latitude 36° 47.3, Longitude 107° 37.3	10. Field, Pool, Wildcat Blanco Pic. Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec 25, T-30-N, R-8-W API # 30-045-29648
14. Distance in Miles from Nearest Town 6 miles to Navajo City	12. County SJ 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 920'	
16. Acres in Lease	17. Acres Assigned to Well 160
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 75'	
19. Proposed Depth 3380'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6228' 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: [Signature] Regulatory/Compliance Administrator	6-24-98 Date

PERMIT NO. _____

APPROVAL DATE AUG 04 1998

APPROVED BY [Signature]

TITLE Acting Team Lead DATE AUG - 6 1998

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

District I
Box 1980, Hobbs, NM 88241-1980

District II
Drawer 00, Artesia, NM 88211-0719

District III
200 Rio Brazos Rd., Aztec, NM 87410

District IV
Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
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

50 JUN 26 AM 8:59 ☐ AMENDED REPORT

070 FARMINGTON, NM
WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29648	Pool Code 72359	Pool Name Blanco Pictured Cliffs EXT
Property Code 7131	Property Name HOWELL L	Well Number 6
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6228'

10 Surface Location

L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	25	30N	8W		920	NORTH	995	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 160	Joint or Infill	Consolidation Code	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

RECEIVED AUG 7 1998 OIL CON. DIV. DIST. 3	5268.12'	920'	995'	2624.82'	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 Date
	2609.64'	25	SF-078385-A	2613.60'	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. MAY 1, 1998 Date of Survey Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 6857 Certification Number

OPERATIONS PLAN

Well Name: Howell L #6
Location: 920' FNL, 995' FEL Section 25, T-30-N, R-8-W
San Juan County, New Mexico
Latitude 36° 47.3', Longitude 107° 37.3'
Formation: Blanco Pictured Cliffs
Elevation: 6228' GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	2063'	
Ojo Alamo	2063'	2153'	aquifer
Kirtland	2153'	2794'	
Fruitland	2794'	3080'	gas
Pictured Cliffs	3080'		gas
Total Depth	3380'		

Logging Program: SFL-LDT-APS.

Coring Program: none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200-3380'	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 - 200'	7"	20.0#	K-55
6 1/4"	0 - 3380'	4 1/2"	10.5#	K-55

Tubing Program: - none

Float Equipment: 7" surface casing - saw tooth guide shoe.
Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 2153'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2153'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 4 1/2" 2000 psi screw on independent wellhead.

