

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 I-22-IND-2772	
1b. Type of Well GAS	Unit Reporting Number 6. If Indian, All. or Tribe Ute Mountain Ute	
2. Operator BURLINGTON RESOURCES Oil & Gas Company 14538	7. Unit Agreement Name	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 18725 Ute Mountain Ute 9. Well Number 50	
4. Location of Well 1800' FNL, 1850' FWL Latitude 36° 58.6, Longitude 107° 17.9	10. Field, Pool, Wildcat Wildcat 320/140/228; HAWKINS (G) Barker Dome Ismay 96354 Barker Dome Desert Creek 96353 Barker Dome Akah/Upper Barker Creek 96352 Barker Dome Paradox 71560 11. Sec., Twn, Rge, Mer. (NMPM) F Sec 22, T-32N-, R-14-W API # 30-045-29548	
14. Distance in Miles from Nearest Town 5 miles to LaPlata	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1800'		
16. Acres in Lease 160	17. Acres Assigned to Well 160/320/640 320/640	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 3500'		
19. Proposed Depth 8620'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6231' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>[Signature]</i> Regulatory/Compliance Administrator	Date 12/22/97	

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE 2-17-98

Archaeological Report submitted

Threatened and Endangered Species Report submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

NMCCO

Hold C-104 for BARKER DOME PARADOX NSL @

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

*API Number 30-045-29548	*Pool Code 96354, 71560 96352, 96353	*Pool Name 32N/96353 Barker Dome-Desert Creek, Barker Dome Isma Barker Dome-Akah/Upper Barker Creek 32N
*Property Code 18725	*Property Name UTE MOUNTAIN UTE	*Well Number 50
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	*Elevation 6231

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
F	22	32N	14W		1800	North	1850	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 320, 160, 640	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

	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <u>Peggy Bradfield</u> Printed Name: <u>Peggy Bradfield</u> Regulatory Administrator Title: <u>12/22/97</u> Date: <u>12/22/97</u>
	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. NOVEMBER 20, 1997 Date of Survey Signature and Seal of Professional Surveyor: <u>NEALE C. EDWARDS</u> Certificate Number: <u>6837</u>

December 22, 1997

OPERATIONS PLAN

Well Name: Ute Mtn Ute #50
Location: 1800' FNL, 1850' FWL Section 22, T-32-N, R-14-W
San Juan County, NM
Formation: Wildcat Hermosa; Barker Dome Desert Creek; Barker Dome
Ismay; Barker Dome Akah/Upper Barker Creek; Barker Dome Paradox
Elevation: 6231' GR

Formation:	Top	Bottom	Contents
Surface	Pt Lookout	116'	
Mancos	116'	1286'	
Niobrara	1286'	2026'	
Greenhorn	2026'	2079'	
Graneros	2079'	2151'	
Dakota	2151'	2386'	gas
Morrison	2386'	3241'	fresh water
Summerville	3241'	3338'	
Entrada	3338'	3958'	salt water
Chinle	3958'	4858'	
Cutler	4858'	6438'	
Hermosa	6438'	7613'	
Ismay	7613'	7775'	gas (potentially 100-1580 ppm H ₂ S)
Desert Creek	7775'	7908'	gas (potentially 4-11,900 ppm H ₂ S)
Akah	7908'	8085'	
Upper Barker Creek	8085'	8217'	gas (potentially 0-12,000 ppm H ₂ S)
Lower Barker Creek	8217'	8322'	
Upper Alkali Gulch	8322'	8428'	
Lower Alkali Gulch	8428'		
Total Depth		8620'	

Logging Program:

Mud logs - Niobrara to Total Depth

Wireline Logs - AIT-SP-GR-Cal, Micro-SP-GR-Cal, FMI TD to surface csg

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis</u>	<u>Fluid Loss</u>
0 - SCP	Spud	8.4-8.9	40	No Control
SCP-T.Ismay	Fresh Water	8.4-8.6	26-30	No Control
T.Ismay-TD	LSND/Dispersed	8.4-9.0	36-50	Less than 12

Casing Program: (all casing will be new)

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 366'	8 5/8"	24.0#	K-55 LT&C
7 7/8"	0' - 8620'	5 1/2"	17.0#	L-80 LT&C

Tubing Program: 0' - 8620' 2 7/8" tubing

BURLINGTON RESOURCES OIL & GAS COMPANY UTE MTN UTE #50

1800' FNL 1850' FNL SEC 22, T32N, R14W
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

800' UTE MOUNTAIN UTE TRIBAL NEW CONSTRUCTION
SE/NW SECTION 22, T32N, R14W

