

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

WOOD

RECEIVED

FEB 11 1998

Bureau of Land Management
Durango, Colorado

5. Lease Number
I-22-IND-2772
Unit Reporting Number

6. If Indian, All. or Tribe
Ute Mountain Ute

7. Unit Agreement Name

8. Farm or Lease Name
18725 Ute Mountain Ute

9. Well Number
54

10. Fjeld, Pool, Wildcat 160
96380 WE 32N14W21E HERMOSA (G)
96354 Barker Dome Ismay 160
96353 Barker Dome Desert Creek 160
96352 Barker Dome Akah/U. Brkn Crk 20
71560 Barker Dome L. Barker Crk ALASKA
11. Sec., Twn, Rge, Mer. (NMPM) 64C
Sec 21, T-32-N, R-14-W 64C
API # 30-045-29571

12. County SJ

17. Acres Assigned to Well

20. Rotary or Cable Tools

Rotary

22. Approx. Date Work will Start

SEE ATTACHED
CONDITIONS OF APPROVAL

2/6/98
Date

~~APPROVED FOR A PERIOD
NOT TO EXCEED 1 YEAR~~

NOTE: THIS FORM IS ISSUED IN ALL OF OUR ZONES

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' 30-045-24571	'Pool Code' 96351, 96353, 71560	'Pool Name' Barker Dome-Desert Creek, Barker Dome-Paradise, Barker Dome-Akah/Uppr Barker Creek
'Property Code' 18725	'Property Name' UTE MOUNTAIN UTE	'Well Number' 54
'OGRID No.' 14538	'Operator Name' BURLINGTON RESOURCES OIL & GAS COMPANY	'Elevation' 6183'

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
0	21	32N	14W		970	South	1330	East	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 Designated Acres 160.640.5B20 160.5B20	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 5282.64'	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 2/6/98 Date
10. Field, Pool, Wildcat 96800 WC 32N14W21O HERMOSA (G) 96354 Barker Dome Ismay 160 96353 Barker Dome Desert Creek 5B20 96352 Barker Dome Akah/U. Brkr Crk 5B20 71560 Barker Dome L. Barker Crk ALKALIS GULCH 640 11. Sec., Twn, Rge, Mer. (NMPM) 9 Sec 21, T-32-N, R-14-W 640	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 21 1997 Date of Survey Signature and Seal of Surveyor NEALE C. EDWARDS NEW MEXICO 6857 Certificate Number

February 6, 1998

OPERATIONS PLAN

Well Name: Ute Mtn Ute #54
Location: 970' FSL, 1330' FEL Section 21, 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 Lower Barker
Creek
Elevation: 6183' GR

Formation:	Top	Bottom	Contents
Surface	Pt Lookout	1179'	
Mancos	148'	1337'	
Niobrara	1337'	2057'	
Greenhorn	2057'	2114'	
Graneros	2114'	2169'	
Dakota	2169'	2387'	gas
Morrison	2387'	3297'	fresh water
Summerville	3297'	3379'	
Todilto	3379'	3390'	
Entrada	3390'	4024'	salt water
Chinle	4024'	4933'	
Cutler	4933'	6577'	
Hermosa	6577'	7705'	
Ismay	7705'	7875'	gas (potentially 100-1580 ppm H ₂ S)
Desert Creek	7875'	8009'	gas (potentially 4-11,900 ppm H ₂ S)
Akah	8009'	8177'	
Upper Barker Creek	8177'	8279'	gas (potentially 0-12,000 ppm H ₂ S)
Lower Barker Creek	8279'	8386'	
Upper Alkali Gulch	8386'	8572'	
Lower Alkali Gulch	8572'	8758'	
Molas	8758'		
Total Depth		8775'	

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:

Interval	Type	Weight	Vis	Fluid Loss
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)

Hole Size	Depth Interval	Csq. Size	Wt.	Grade
12 1/4"	0' - 398'	8 5/8"	24.0#	K-55 LT&C
7 7/8"	0' - 8775'	5 1/2"	17.0#	L-80 LT&C

Tubing Program: 0' - 8775' 2 7/8" tubing

BURLINGTON RESOURCES OIL & GAS COMPANY UTE MTN UTE #54

970' FSL 1330' FEL SEC 21, T32N, R14W
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

200' UTE MOUNTAIN UTE TRIBAL NEW CONSTRUCTION
SW/SE SECTION 21, T32N, R14W

