

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEB 20 1998
OIL CON. DIV.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number I-22-IND-2772 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe Ute Mountain Ute
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 18725 Ute Mountain Ute 9. Well Number 51
4. Location of Well 1500' FSL, 2270' FWL	10. Field, Pool, Wildcat Wildcat 32N/4W/15E, HERMANOSA (G) Barker Dome Ismay 76354 Barker Dome Desert Creek 76353 Barker Dome Akah/U. Barker Creek 76352 Barker Dome Paradox 71560
Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject lease which are committed hereto.	
Latitude 36° 59.1, Longitude 107° 16.8	
11. Sec., Twn, Rge, Mer. (NMPM) Sec 14, T-32-N, R-14-W API# 30-045-24547	
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 1500'	
16. Acres in Lease	17. Acres Assigned to Well 160/320/640 140/160/320/320/640
18. Distance from Proposed Location to Nearest Well, Dwg. Compl. or Applied for on this Lease 4300'	
19. Proposed Depth 9650'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6884' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Administrator	Date 12/29/97

PERMIT NO. _____

APPROVED BY **(s) Jim Lovato**

ACTIVE

APPROVAL DATE

AREA MANAGER

APPROVED FOR A PERIOD
NOT TO EXCEED 1 YEAR.

DATE **FEB 18 1998**

Archaeological Report submitted

Threatened and Endangered Species Report submitted

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

REMOVED

HOLD COPY FOR ALL ZONES

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-1
Revised February 21, 19
Instructions on b2

District II
PO Drawer 00, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Submit to Appropriate District Off:
State Lease - 4 Cop:
Fee Lease - 3 Cop:

District III
1000 Rio Brazos Rd., Aztec, NM 87410

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

☐ AMENDED REPOF

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29547	Pool Code 96354, 71560 96352, 96353	Pool Name Barker Dome-Desert Creek, Barker Dome Is: Barker Dome-Akah/Upper Barker Creek
Property Code 18725	Property Name UTE MOUNTAIN UTE	Well Number 51
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6884'

10 Surface Location

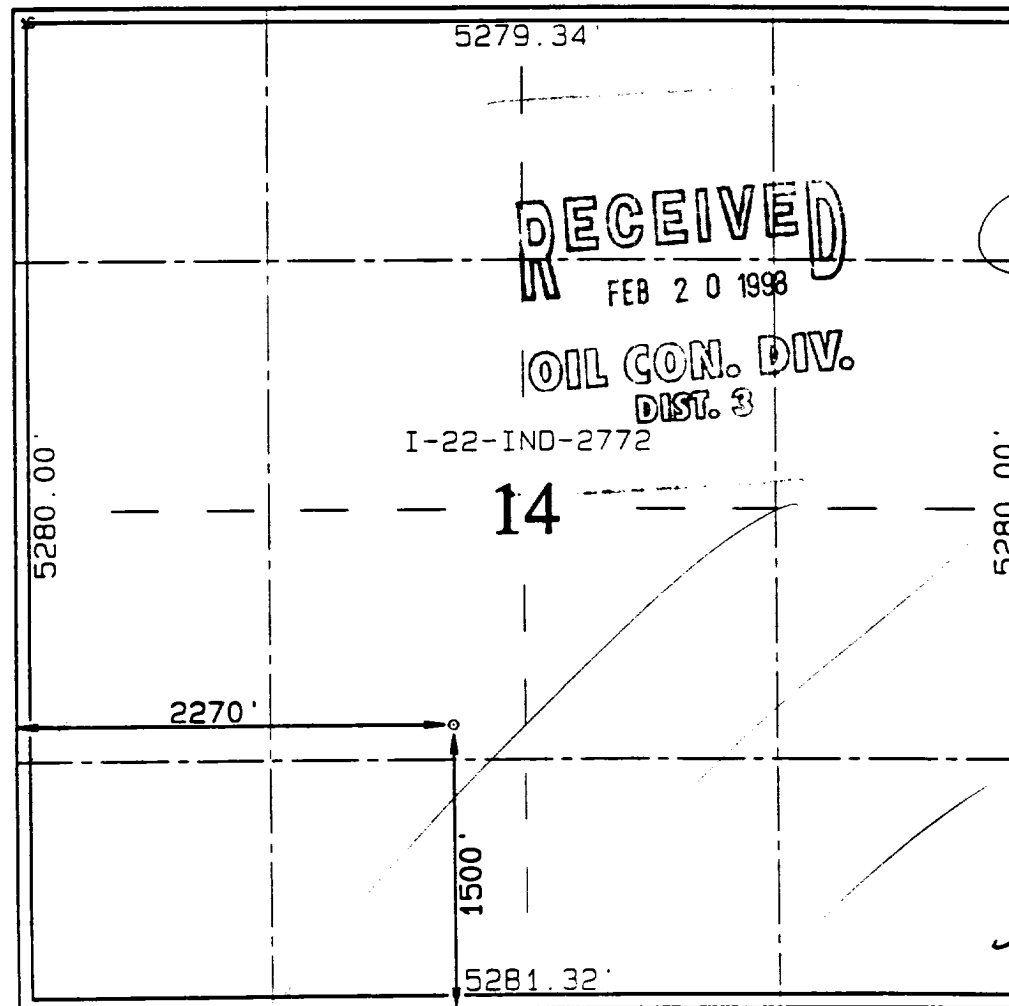
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	14	32N	14W		1500	South	2270	West	SAN JUA

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 S-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.

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Administrator
Title

12/29/97
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 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

Neale C. Edwards
NEALE C. EDWARDS
NEW MEXICO
6852
PROFESSIONAL SURVEYOR
Certificate Number

December 29, 1997

OPERATIONS PLAN

Well Name: Ute Mtn Ute #51
Location: 1500' FSL, 2270' FWL Section 14, T-32-N, R-14-W
San Juan County, NM
Formation: Barker Dome Desert Creek; Barker Dome Ismay;
Barker Dome Akah/Upper Barker Creek
Elevation: 6884' GR

Formation:	Top	Bottom	Contents
Surface	Pt Lookout	1179'	
Mancos	1179'	2334'	
Niobrara	2334'	3052'	
Greenhorn	3052'	3108'	
Graneros	3108'	3172'	
Dakota	3172'	3376'	gas
Morrison	3376'	4276'	fresh water
Summerville	4276'	4352'	
Entrada	4352'	4975'	salt water
Chinle	4975'	5831'	
Cutler	5831'	7462'	
Hermosa	7462'	8627'	
Ismay	8627'	8800'	gas (potentially 100-1580 ppm H ₂ S)
Desert Creek	8800'	8951'	gas (potentially 4-11,900 ppm H ₂ S)
Akah	8951'	9118'	
Upper Barker Creek	9118'	9256'	gas (potentially 0-12,000 ppm H ₂ S)
Lower Barker Creek	9256'	9364'	
Upper Alkali Gulch	9364'	9462'	
Lower Alkali Gulch	9462'		
Total Depth		9650'	

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' - 1429'	8 5/8"	24.0#	K-55 LT&C
7 7/8"	0' - 9650'	5 1/2"	17.0#	L-80 LT&C

Tubing Program: 0' - 9650' 2 7/8" tubing

BURLINGTON RESOURCES OIL & GAS COMPANY UTE MTN UTE #51

1500' FSL 2270' FWL SEC 14, T32N, R14W
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

NO NEW CONSTRUCTION
NE/SW SECTION 14, T32N, R14W

