

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-078483A 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 Allison Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Allison Unit 9. Well Number 57M
4. Location of Well 1660' FNL, 830' FWL Latitude 36° 59.1, Longitude 107° 31.4	10. Field, Pool, Wildcat Blanco MV/Basin Dk 11. Sec., Twn, Rge, Mer. (NMPM) Sec 13, T-32-N, R-7-W API # 30-045-29662
14. Distance in Miles from Nearest Town 3 miles to Allison	12. County SJ 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 830'	17. Acres Assigned to Well 330.27
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1500'
19. Proposed Depth 8155'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6618' 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 5-30-98

PERMIT NO. _____

APPROVAL DATE

AUG 31 1998

APPROVED BY /S/ Duane W. Spencer

TITLE _____

DATE **AUG 31 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
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 20, Artesia, NM 88211-0719

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

District IV
PO Box 2038, Santa Fe, NM 87504-2038

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form
Revised February 21,
Instructions on
Submit to Appropriate District
State Lease - 4
Fee Lease - 3

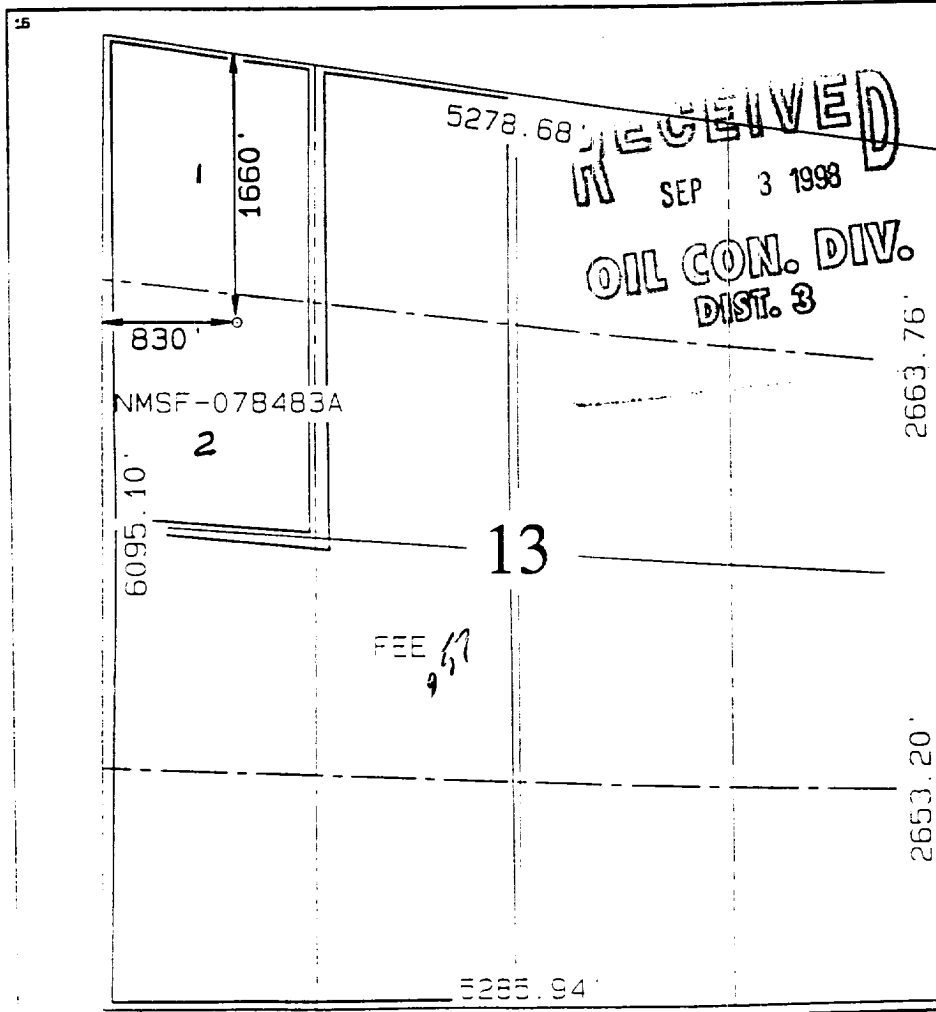
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☐ AMENDED REF

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-29662		2 Pool Code 72319/71599		3 Pool Name Blanco Mesaverde/Basin Dakota				
4 Property Code 6784		5 Property Name ALLISON UNIT			6 Well Number 57M			
7 GRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			9 Elevation 6618'			
10 Surface Location								
UL or lot no. E	Section 13	Township 32N	Range 7W	Feet from the 1660	North/South line NORTH	Feet from the 830'	East/West line WEST	County SAN JUAN
11 Bottom Hole Location If Different From Surface								
12 Dedicated Acres MV-W/330.27 DK-W/330.27		13 Joint or Infill		14 Consolidation Code		15 Order No.		

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 CERTIFICATE
I hereby certify that the information contained in this plat is true and complete to the best of my knowledge and belief.

Peggy Bradfield
(Signature)

Peggy Bradfield
Printed Name
Regulatory Administrator
Title

5-30-98
Date

18 SURVEYOR CERTIFICATE
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made on or under my supervision, and that the same is true and correct to the best of my belief.

MARCH 3, 1998
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
685710
REGISTERED PROFESSIONAL SURVEYOR
Certificate Number

OPERATIONS PLAN

Well Name: Allison Unit #57M
Location: 1660'FNL, 830'FWL Sec 13, T-32-N, R-7-W
San Juan County, NM
Latitude 36° 59.1, Longitude 107° 31.4
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6518'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2276'	
Ojo Alamo	2276'	2402'	aquifer
Kirtland	2402'	2920'	
Fruitland	2920'	3252'	gas
Pictured Cliffs	3252'	3534'	gas
Lewis	3534'	4293'	gas
Intermediate TD	3634'		
Huerfanito Bentonite	4293'	4736'	gas
Chacra	4736'	5476'	
Massive Cliff House	5476'	5526'	gas
Menefee	5526'	5779'	gas
Massive Point Lookout	5779'	6235'	gas
Mancos Shale	6235'	7112'	
Gallup	7112'	7850'	gas
Greenhorn	7850'	7900'	gas
Dakota	7900'		gas
TD (4 1/2"liner)	8155'		

Logging Program:

Cased hole - CBL - TD to 200' above TOC, GR/CNL across MV/Dk

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
200-3634'	LSND	8.4-9.0	30-60	no control
3634-8155'	Gas	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program (as listed, the equivalent, or better):

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 3634'	7"	20.0#	J-55
6 1/4"	3534' - 8155'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 8155' 2 3/8" 4.70# EUE

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

BURLINGTON RESOURCES OIL & GAS COMPANY ALLISON UNIT #57M

1660' FNL & 830' FWL, SECTION 13, T32N, R7W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

300' NEW BLM CONSTRUCTION
300' SWNW SECTION 13, T32N, R7W

