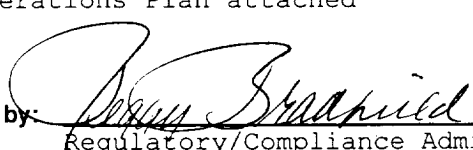


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NM-02758 Unit Reporting Number 070770000001, NM	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
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 7339 Murphy D 9. Well Number 4A	
4. Location of Well 1680' FSL, 855' FWL Latitude 36° 46.9, Longitude 107° 00.0	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde 11. Sec., Twn, Rge, Mer. (NMPM) Sec 27, T-30-N, R-11-W API # 30-045-29450	
14. Distance in Miles from Nearest Town 2.5 miles from Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 855'	17. Acres Assigned to Well 317.76 S/2	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 900'	
19. Proposed Depth 5175'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5988' GR	22. Approx. Date Work will Start 1-13-97	
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	
24. Authorized by:  Regulatory/Compliance Administrator	Date	

PERMIT NO. _____

APPROVAL DATE **APR 11 1997**

APPROVED BY _____

TITLE _____

DATE **APR 11 1997**

Archaeological Report submitted by Arboles Contract Archaeology Technical Report #941
Threatened and Endangered Species Report submitted by Ecosphere
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, 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

RECEIVED
FEB 10 1997

Form C-102
Revised February 21, 1994

67 FEB 10 1997
070 FARMINGTON, NM

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 30-045-29450	Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 7339	Property Name Murphy D	Well Number 4A
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY	Elevation 5988'

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
L	27	30 N	11 W		1680	South	855	West	S.J.

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

Dedicated Acres S/317.76	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

16 4	3 5186.28'	2	1
5	6	OIL CON. DIV. DIST. 3	8
12 5353.92'	11 27	10 NMNM-02758	9 5324.88'
13 855'	14	15	16
1680'		5188.92'	

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
1-13-97
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 me or under my supervision, and that the same is true and correct to the best of my belief.

9-25-96
Date of Survey
NEAL C. EDWARDS
Signature and Seal of Professional Surveyor
8857
Certificate Number

OPERATIONS PLAN

Well Name: Murphy D #4A
Location: 1680' FSL, 855' FWL Section 27, T-30-N, R-11-W
San Juan County, New Mexico
Latitude 36° 46.9, Longitude 108° 0.0
Formation: Blanco Mesa Verde
Elevation: 5988' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	943'	aquifer
Ojo Alamo	943'	1071'	aquifer
Kirtland	1071'	2010'	
Fruitland	2010'	2357'	gas
Pictured Cliffs	2357'	2519'	gas
Lewis	2519'	3073'	gas
Intermediate TD	2619'		
Chacra	3073'	3945'	gas
Mesa Verde	3945'	4025'	gas
Massive Cliff House	4025'	4110'	gas
Menefee	4110'	4678'	gas
Point Lookout	4678'		gas
Total Depth	5175'		

Logging Program:

Open hole logs:
HRI/GRI/SP TD to surface csg;
Dens-Neut TD to 1800'
CMR/GR TD to 2100'
Mud Logs/Coring/DST - 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
200-2619'	LSND	8.4-9.0	30-60	no control
2619-5175'	Gas/Mist	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>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2619'	7"	20.0#	J-55
6 1/4"	2519' - 5175'	4 1/2"	10.5#	J-55

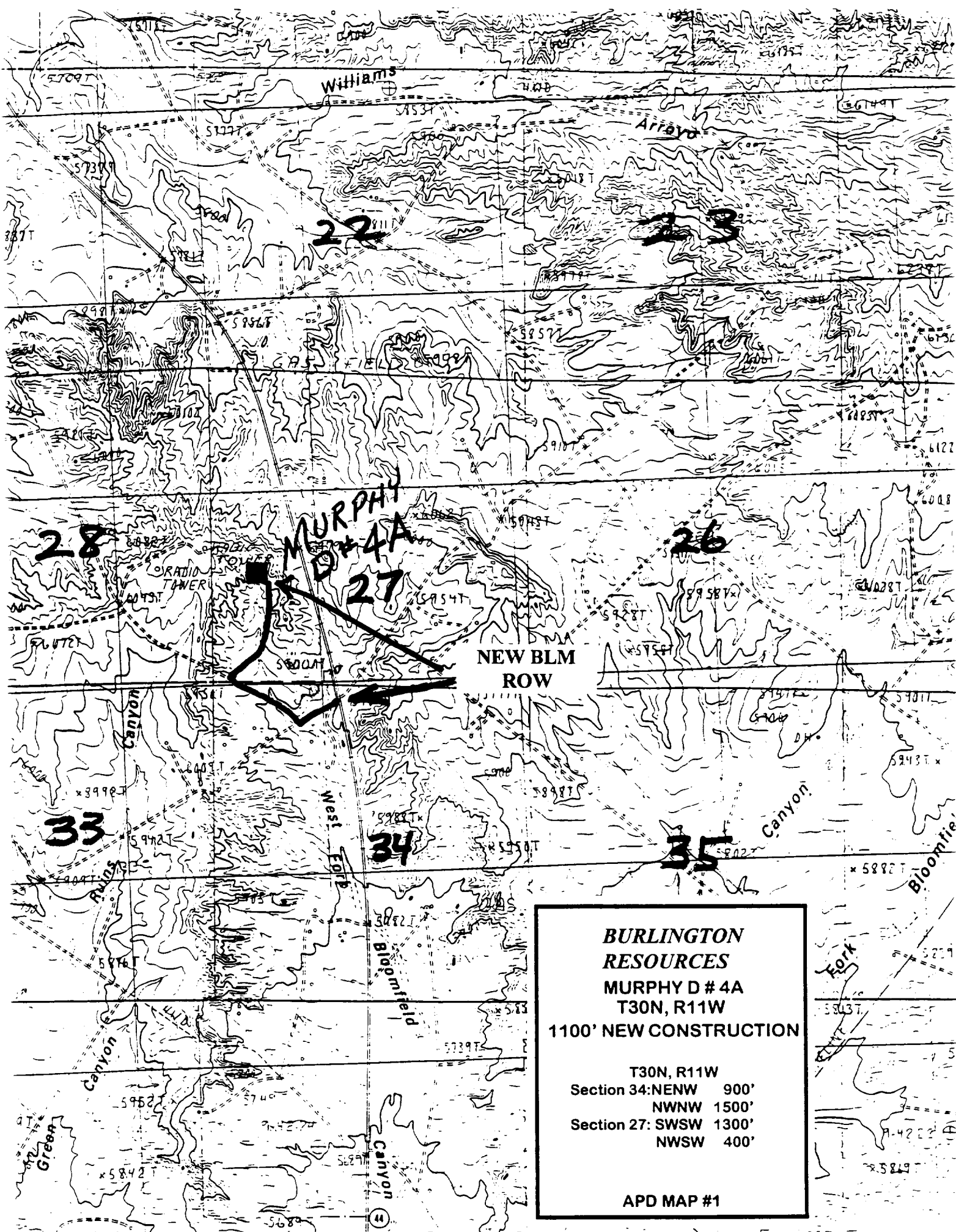
Tubing Program:

0' - 5175' 2 3/8" 4.7# J-55

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.



**BURLINGTON
RESOURCES**
MURPHY D # 4A
T30N, R11W
1100' NEW CONSTRUCTION

T30N, R11W
Section 34: NENW 900'
 NNW 1500'
Section 27: SWSW 1300'
 NWSW 400'

APD MAP #1