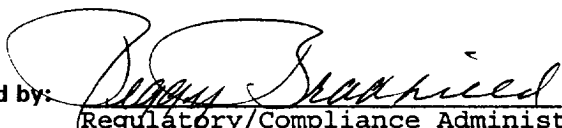


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-080674 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 San Juan 27-4 Unit 746.3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 27-4 Unit 9. Well Number 149A
4. Location of Well 790' FNL, 1830' FWL Latitude 36° 33.5, Longitude 107° 14.3	10. Field, Pool, Wildcat 22319 Blanco MV/Basin Dk 71599 11. Sec., Twn, Rge, Mer. (NMPM) Sec 22, T-27-N, R-4-W API # 30-039- 25969
14. Distance in Miles from Nearest Town 50 miles to Blanco	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 790'	
16. Acres in Lease	17. Acres Assigned to Well 61/320 W/2 320
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 4000'	
19. Proposed Depth 8480	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7222' GR 7144'	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:  Regulatory/Compliance Administrator	Date 2/12/98

PERMIT NO. _____ APPROVAL DATE JUL 09 1998
APPROVED BY THOMAS H. HART TITLE _____ DATE 7/9/98

Archaeological Report to be submitted by Arboles Contract Archaeology

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

NMOC

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

Form C-1
Revised February 21, 1998
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

037219 PM 1:02 ☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-25969	Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7452	Property Name SAN JUAN 27-4 UNIT	Well Number # 149A
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 7144

10 Surface Location

UL or lot no. C	Section 22	Township 27 N	Range 4 W	Lot Ida	Feet from the 790	North/South line NORTH	Feet from the 1830	East/West line WEST	County RIO ARriba
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acreage DK-W/320	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

5280'(R)	16	5273'(R)	5280'(R)	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Administrator Title 2/12/98 Date
	1830'	790'		
	NMSF-080674	22		
	5288'(R)			

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 24, 1997
Date of Survey
Signature and Seal of Professional Surveyor:
7016
Certificate Number

7016
REGISTERED PROFESSIONAL LAND SURVEYOR
NEW MEXICO
7016

(R)-GLO RECORD

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #149A
Location: 790' FNL, 1830' FWL Sec 22, T-27-N, R-4-W
Rio Arriba County, NM
Latitude 36° 33.5, Longitude 107° 14.3
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 7144' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3435'	
Ojo Alamo	3435'	3586'	aquifer
Kirtland	3586'	3674'	
Fruitland	3674'	3999'	gas
Pictured Cliffs	3999'	4102'	gas
Lewis	4102'	4490'	gas
Intermediate TD	4202'		
Huerfanito Bentonite	4490'	4982'	gas
Chacra	4982'	5723'	
Massive Cliff House	5723'	5849'	gas
Menefee	5849'	6188'	gas
Massive Point Lookout	6189'	6720'	gas
Mancos	6720'	7344'	
Gallup	7344'	8135'	gas
Greenhorn	8135'	8225'	gas
Dakota	8225'		gas
TD (4 1/2" liner)	8480'		

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
200-4202'	LSND	8.4-9.0	30-60	no control
4202-8480'	Gas	n/a	n/a	n/a

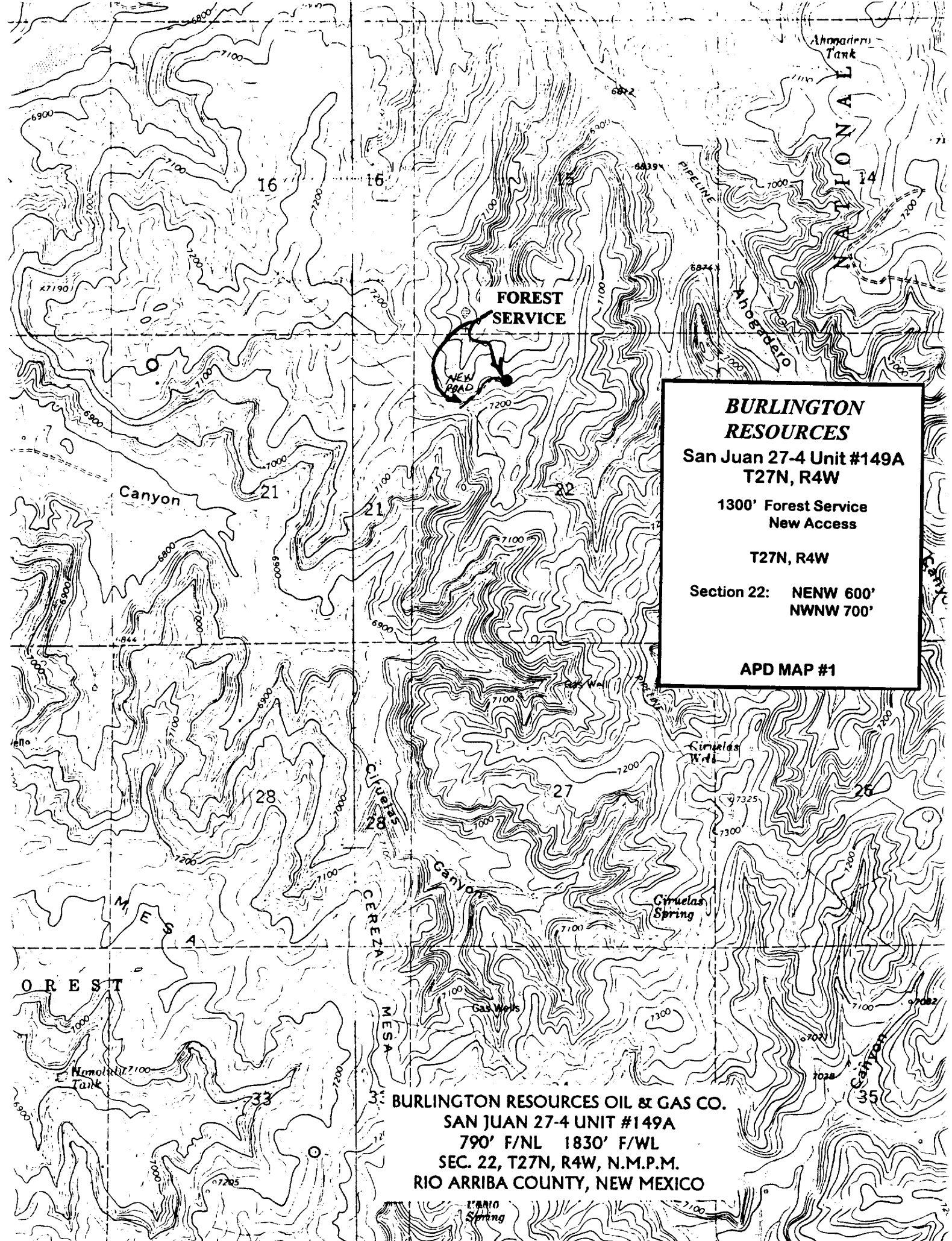
Pit levels will be visually monitored to detect gain or loss of fluid control.

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' - 4202'	7"	20.0#	J-55
6 1/4"	4102' - 8480'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 8480' 2 3/8" 4.70# EUE



**BURLINGTON
RESOURCES**

**San Juan 27-4 Unit #149A
T27N, R4W**

**1300' Forest Service
New Access**

T27N, R4W

**Section 22: NENW 600'
NWNW 700'**

APD MAP #1

**BURLINGTON RESOURCES OIL & GAS CO.
SAN JUAN 27-4 UNIT #149A
790' F/NL 1830' F/WL
SEC. 22, T27N, R4W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO**