

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-079731
1b. Type of Well GAS	Unit Reporting Number 891009330-MV 89100933B-Dk If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company 14538	7. Unit Agreement Name San Juan 28-4 Unit 7459
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 28-4 Unit 9. Well Number 31M
4. Location of Well 1620' FNL, 2010' FWL Latitude 36° 37' 09", Longitude 107° 16' 35"	10. Field, Pool, Wildcat 22319 Blanco MV/Basin Dk 71599 11. Sec., Twn, Rge, Mer. (NMPM) F- Sec 32, T-28-N, R-4-W API# 30-039- 25921
14. Distance in Miles from Nearest Town 60 miles to Bloomfield	12. County RA 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1620'	17. Acres Assigned to Well 320 W/2 Dk; 320 N/2 MV
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 4000'	
19. Proposed Depth 8714 This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7312' GR	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Administrator	5-20-98 Date

PERMIT NO. _____

APPROVAL DATE JUL 28 1998

APPROVED BY [Signature]
Special Agent in Charge

TITLE _____

DATE JUL 28 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.

NSL-4067 (3)

NMOCD

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KCK, Artesia, NM 87211-0719
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
Revised February 21,

Instructions or
Submit to Appropriate District
State Lease - 4
Fee Lease - 3

50 JUN 18 PM 1:05

☐ AMENDED RE

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-25921	Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin, Dakota
Property Code 7459	Property Name SAN JUAN 28-4 UNIT	Well Number # 31M
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 7312

Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	32	28 N	4 W		1620	NORTH	2010	WEST	RIO AR

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 MV-N/320 DK-W/320	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDA
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

5280'(R)	5280'(R)	5302'(R)	1620'	2010'	NMSF - 079731	32	NMSF - 079731	5280'(R)	5280'(R)	OPERATOR CERTIFICATE I hereby certify that the information contained true and complete to the best of my knowledge Signature Peggy Bradfield Printed Name Regulatory Administ Title 5-20-98 Date
										SURVEYOR CERTIFICATE I hereby certify that the well location shown o was plotted from field notes of actual surveys o or under my supervision, and that the same correct to the best of my belief. February 23, 1998 Date of Survey Signature and Seal of Registered Surveyor 7016 Certificate Number

RECEIVED
JUL 30 1998
OIL CON. DIV.
DIST. 3



OPERATIONS PLAN

Well Name: San Juan 28-4 Unit #31M
Location: 1620' FNL, 2010' FWL Sec 32, T-28-N, R-4-W
Rio Arriba County, NM
Latitude 36° 37' 09", Longitude 107° 17' 35"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 7312' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3688'	
Ojo Alamo	3688'	3806'	aquifer
Kirtland	3806'	3868'	
Fruitland	3868'	4252'	gas
Pictured Cliffs	4252'	4346'	gas
Lewis	4346'	4822'	gas
Intermediate TD	4446'		
Huerfano Bentonite	4822'	5225'	gas
Chacra	5225'	6033'	
Massive Cliff House	6033'	6088'	gas
Menefee	6088'	6408'	gas
Massive Point Lookout	6408'	6985'	gas
Mancos Shale	6985'	7605'	
Gallup	7605'	8374'	gas
Greenhorn	8374'	8343'	gas
Dakota	8434'		gas
TD (4 1/2" liner)	8714'		

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
200-4446'	LSND	8.4-9.0	30-60	no control
4446-8714'	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' - 4446'	7"	20.0#	J-55
6 1/4"	4346' - 8714'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 8714' 2 3/8" 4.70# EUE

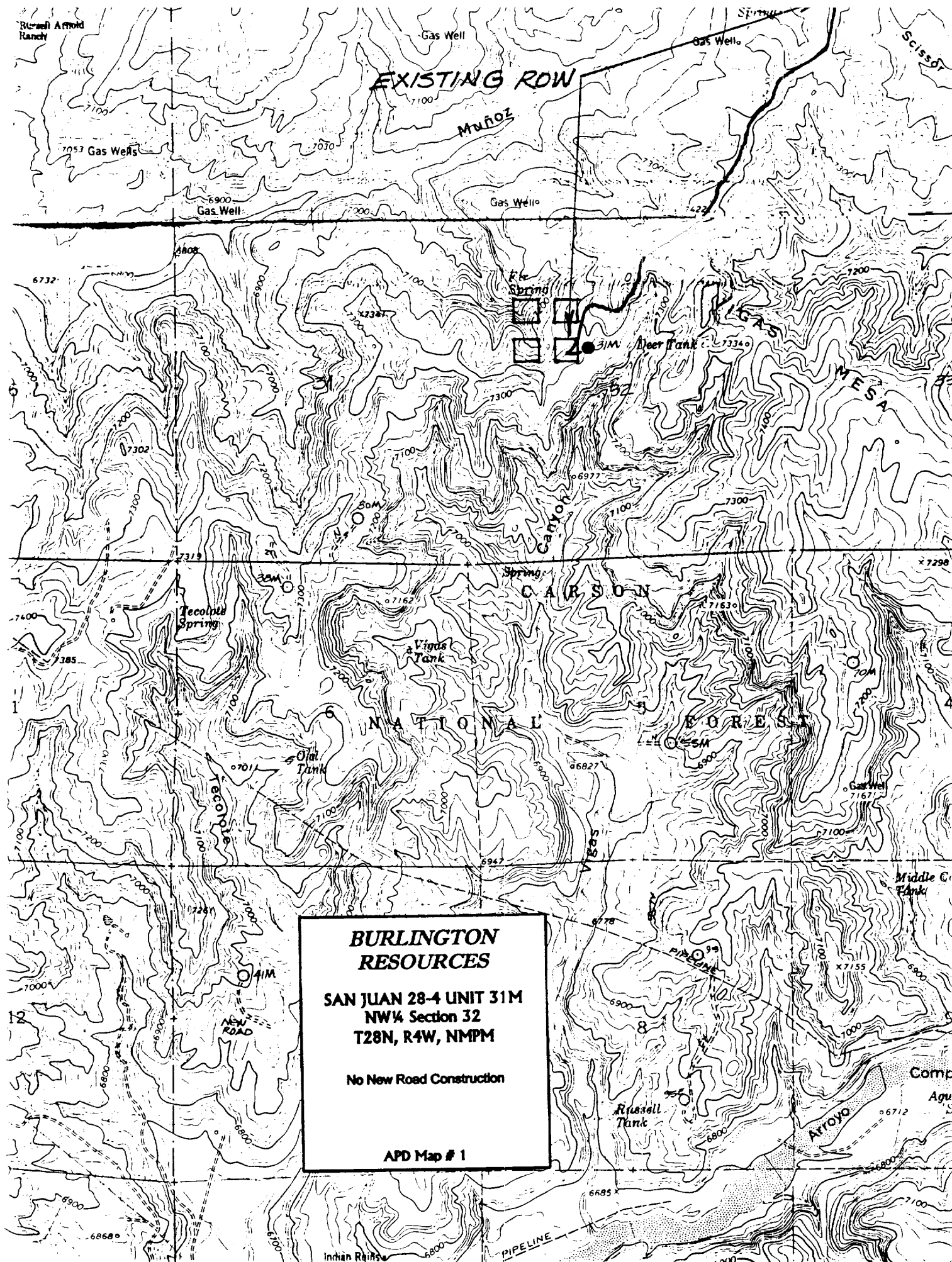
BOP Specifications, Wellhead and Tests:

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**

**SAN JUAN 28-4 UNIT 31M
NW 1/4 Section 32
T28N, R4W, NMPM**

No New Road Construction

APD Map # 1