

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

90 JUN 18 PM 1:15

1a. Type of Work DRILL	5. Lease Number SF-080675	
	Unit Reporting Number 891001054A-MV 8910010540-Dk	
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 7452	
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 102M	
4. Location of Well 840' FNL, 1110' FWL Latitude 36° 32' 06", Longitude 107° 15' 41"	10. Field, Pool, Wildcat 72319 Blanco MV/Basin Dk 71594 11. Sec., Twn, Rge, Mer. (NMPM) D Sec 33, T-27-N, R-4-W API # 30-039- 25961	
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 840'	17. Acres Assigned to Well 320 W/2 MV; 320 N/2 Dk	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 4000'		
19. Proposed Depth 8471 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.) 7185' 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	Date <u>5-20-98</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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 KK, 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 C
Revised February 21,
Instructions on
Submit to Appropriate District O
State Lease - 4 C.
Fee Lease - 3 C.

☐ AMENDED REP

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-25961	² Pool Code 72319/71599	³ Pool Name Blanco Mesaverde/Basin Dakota
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	⁶ Well Number # 102M
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 7185

¹⁰ Surface Location

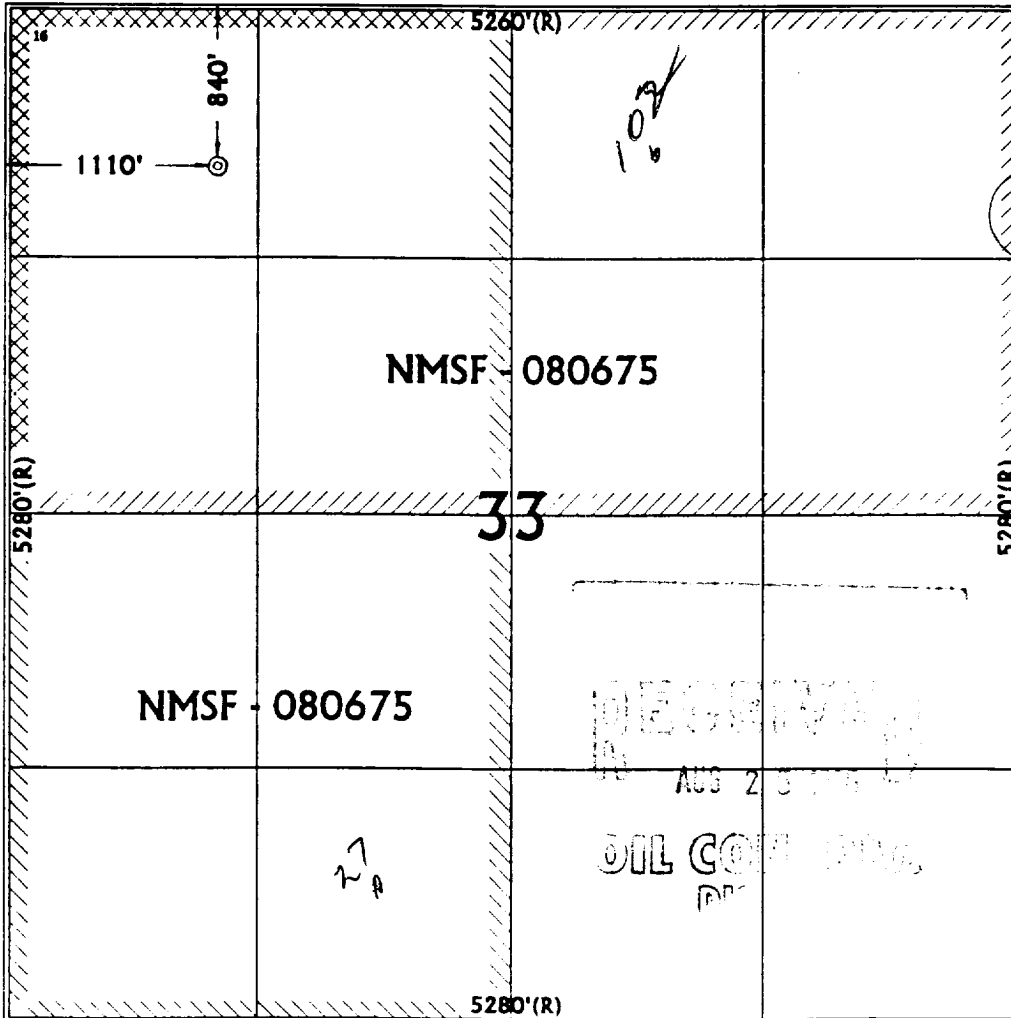
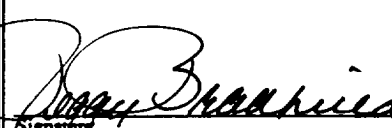
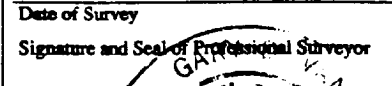
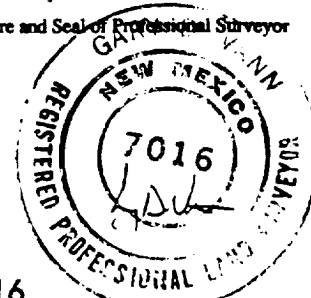
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	27 N	4 W		840	NORTH	1110	WEST	RIO ARR

¹¹ Bottom Hole Location If Different From Surface

¹ 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 MV-W/320 DK-N/320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁶ OPERATOR CERTIFICATION I hereby certify that the information contained here is true and complete to the best of my knowledge and belief.  Signature Peggy Bradfield Printed Name Regulatory Administrator Title 5-20-98 Date
	¹⁷ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made or under my supervision, and that the same is true and correct to the best of my belief. February 23, 1998 Date of Survey  Signature and Seal of Professional Surveyor  7016 Certificate Number
	5280' (R) 5260' (R) 5280' (R) 5260' (R)

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #102M
Location: 840' FNL, 1110' FWL Sec 33, T-27-N, R-4-W
Rio Arriba County, NM
Latitude 36° 32' 06", Longitude 107° 15' 41"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 7185' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3465'	
Ojo Alamo	3465'	3547'	aquifer
Kirtland	3547'	3660'	
Fruitland	3660'	4017'	gas
Pictured Cliffs	4017'	4090'	gas
Lewis	4090'	4474'	gas
Intermediate TD	4190'		
Huerfanito Bentonite	4474'	4979'	gas
Chacra	4979'	5711'	
Massive Cliff House	5711'	5844'	gas
Menefee	5844'	6195'	gas
Massive Point Lookout	6195'	6682'	gas
Mancos Shale	6682'	7317'	
Gallup	7317'	8131'	gas
Greenhorn	8131'	8191'	gas
Dakota	8191'		gas
TD (4 1/2" liner)	8471'		

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
200-4190'	LSND	8.4-9.0	30-60	no control
4190-8471'	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' - 4190'	7"	20.0#	J-55
6 1/4"	4090' - 8471'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 8471' 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 27-4 UNIT 102M
NW¼ Section 33
T27N, R4W, NMPM**

**1600' FOREST New Road Construction
T27N, R4W
Section 28: SE¼ SW¼ - 850'
Section 33: NW¼ NW¼ - 750'**

APD Map # 1

