

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-080673
1b. Type of Well GAS	Unit Reporting Number 891001054A-MV 8910010540-Dk
2. Operator BURLINGTON RESOURCES Oil & Gas Company	6. If Indian, All. or Tribe
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name San Juan 27-4 Unit
4. Location of Well 425' FNL, 1895' FWL Latitude 36° 36' 28", Longitude 107° 17' 38"	8. Farm or Lease Name San Juan 27-4 Unit 9. Well Number 38M
10. Field, Pool, Wildcat Blanco MV/Basin Dk	11. Sec., Twn, Rge, Mer. (NMPM) Sec 6, T-27-N, R-4-W API# 30-039
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 425'	17. Acres Assigned to Well 320.84 W/2
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.
19. Proposed Depth 8639	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7341' 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 5-20-98

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY /S/ Duane W. Spencer TITLE _____ DATE AUG 13 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 1C01, 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-4077

NMOCD

Q-811321
JAN 1 1964
U.S. AIR FORCE
HONOLULU, HI
96814

THIS DOCUMENT CONTAINS NEITHER
RECOMMENDATIONS NOR CONCLUSIONS
OF THE AIR FORCE RESEARCH AND
DEVELOPMENT COMMAND

Approved for public release;
distribution is unlimited.
FORM 100-100-100-100-100-100

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

Revised February
Instruction
Submit to Appropriate Distr
State Lease -
Fee Lease -

☐ AMENDED

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039- <u>75939</u>	Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7452	Property Name SAN JUAN 27-4 UNIT	Well No. # 381
OGUID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 734

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
C	6	27 N	4 W		425	NORTH	1895	WEST	RIO

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

12 Dedicated Acres
MV-W/320 84
DK-W/320 84

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

BLM Record

16	1895'	425'	5277'(R)	Lot 2	Lot 1
	Lot 4	Lot 3			
	Lot 5				
	NMSF-080673				
2569.84'			5298'(R)		
Lot 6					
Lot 7					

17 OPERATOR CERTIFICATE

I hereby certify that the information contained herein is true and complete to the best of my knowledge.

Peggy Bradfield
Signature
Peggy Bradfield
Printed Name
Regulatory Administ
Title
5-20-98
Date

18 SURVEYOR CERTIFICATE

I hereby certify that the well location shown was plotted from field notes of actual survey or under my supervision, and that the same is correct to the best of my belief.

February 16, 1998
Date of Survey
Signature and Seal of Professional Surveyor:
GARY D. VAALEN
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
7016
Certificate Number

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #38M
Location: 425' FNL, 1895' FWL Sec 6, T-27-N, R-4-W
Rio Arriba County, NM
Latitude 36° 36' 28", Longitude 107° 17' 38"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 7341' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3610'	
Ojo Alamo	3610'	3775'	aquifer
Kirtland	3775'	3824'	
Fruitland	3824'	4203'	gas
Pictured Cliffs	4203'	4297'	gas
Lewis	4297'	4799'	gas
Intermediate TD	4397'		
Huerfano Bentonite	4799'	5160'	gas
Chacra	5160'	5979'	
Massive Cliff House	5979'	6045'	gas
Menefee	6045'	6346'	gas
Massive Point Lookout	6346'	6900'	gas
Mancos Shale	6900'	7533'	
Gallup	7533'	8299'	gas
Greenhorn	8299'	8359'	gas
Dakota	8359'		gas
TD (4 1/2" liner)	8639'		

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
200-4397'	LSND	8.4-9.0	30-60	no control
4397-8639'	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' - 4397'	7"	20.0#	J-55
6 1/4"	4297' - 8639'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 8639' 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.

EXISTING
ROW

NEW ROW

Tecolote
Spring



Vigas
Tank

Old
Tank

**BURLINGTON
RESOURCES**

SAN JUAN 27-4 UNIT 38M
NW¼ Section 6
T27N, R4W, NMPM

800' FOREST New Road Construction

T27N, R4W
Section 6: NE¼ NW¼ - 400' (Lot 3)

T28N, R4W
Section 31: SE¼ SW¼ - 400'

APD Map # 1

Flt
Spring

Deer Tank

Spring

CARSON

NATIONAL

Russell
Tank

PIPELINE

Oil Well

S

F I E L D

Spring