


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	<b>RECEIVED</b> APR 17 1998 <b>OIL CON. DIV.</b>	5. Lease Number SF-080713
1b. Type of Well GAS		Unit Reporting Number 8910005380
2. Operator <b>BURLINGTON RESOURCES</b> 14538 Oil & Gas Company	DIST. 3	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 30-6 Unit	8. Farm or Lease Name 7469 San Juan 30-6 Unit
4. Location of Well 1630' FNL, 1900' FWL  Latitude 36° 48.9, Longitude 107° 24.9	9. Well Number 41A	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde / BASIN 71599
14. Distance in Miles from Nearest Town 7 miles to Gobernador	11. Sec., Twn, Rge, Mer. (NMPM) F Sec 13, T-30-N, R-6-W APR # 30-039-25836	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 1630'	13. State NM	
16. Acres in Lease	17. Acres Assigned to Well 320 W/2 320 W/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1300'		
19. Proposed Depth 5920' 7835	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.) <del>6338 GR</del> 6338 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:  Regulatory/Compliance Administrator		8-22-97 Date

PERMIT NO. \_\_\_\_\_

APPROVAL DATE APR 15 1998

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

HMOC

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

RECEIVED  
BLM

98 FEB 12 PM 3:48

070 FARMINGTON, NM

1. Type of Well  
GAS

**RECEIVED**  
APR 17 1998

Lease Number  
SF-080713  
If Indian, All. or  
Tribe Name

2. Name of Operator

**BURLINGTON  
RESOURCES**

**OIL CON. DIV.**  
**Dist. 3**  
OIL & GAS COMPANY

7. Unit Agreement Name

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

San Juan 30-6 Unit  
8. Well Name & Number  
San Juan 30-6 U #41A  
9. API Well No.  
30-039-  
10. Field and Pool  
Blanco MV/Basin DK  
11. County and State  
Rio Arriba Co, NM

4. Location of Well, Footage, Sec., T, R, M

1630' FNL, 1900' FWL, Sec.13, T-30-N, R-6-W, NMPM

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

**Type of Submission**

**Type of Action**

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input checked="" type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other -	

**13. Describe Proposed or Completed Operations**

An application for permit to drill has been submitted for the subject well as a single Mesaverde. It is now intended to drill and complete the well as a Mesaverde Dakota dual. A revised C-102 well location plat is attached. The new proposed total depth is now 7835'. The revised casing and cementing program is as follows: a 5 1/2" 15.5# K-55 flushjoint liner will be run from 3355-7835'. The 5 1/2" production liner will be cemented as follows: cement to cover a minimum of 100' of 5 1/2" x 7" overlap with 227 sx Class "B" 50/50 poz w/2% gel, 5 pps Gilsonite, 0.25 pps Cellophane, 0.4% fluid loss additive (302 cu.ft., 40% excess cement). WOC a minimum of 18 hours prior to completion. A cement float shoe will be run on bottom with float collar on top of the shoe joint. Note: to facilitate higher hydraulic stimulation, no liner hanger will be used. Instead, a longstring of 5 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 5 1/2" and 7" casing strings. After completion of the well, a 5 1/2" CIBP will be set above the last fracturing job to cut and pull the 5 1/2" casing above the 7" casing shoe. The 5 1/2" bridge plug will then be milled and two strings of tubing with a packer will be run for a dual completion.

A variance is requested from Onshore Order #2, III, B. The casing collar clearance in the 5 1/2" flushjoint/6 1/4" hole will be 0.375", a 0.047" variance.

**14. I hereby certify that the foregoing is true and correct.**

Signed *Don W. Spencer* (KASPUD) Title Regulatory Administrator Date 2/12/98

(This space for Federal or State Office use)

APPROVED BY */s/ Duane W. Spencer* Title \_\_\_\_\_ Date APR 5 1998

CONDITION OF APPROVAL, if any:

**NMOCD**

100-443887-100

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer 00, 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

Form  
Revised February 2,  
Instructions c  
Submit to Appropriate District  
State Lease - 4  
Fee Lease - 3

98 FEB 12 PM 3:46 AMENDED RE

WELL LOCATION AND ACREAGE DEDICATION PLAT  
070 FARMINGTON, NM

*API Number 30-039-25836		*Pool Code 72319/71599	*Pool Name Blanco Mesaverde/Basin Dakota
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 41A
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6338'

10 Surface Location

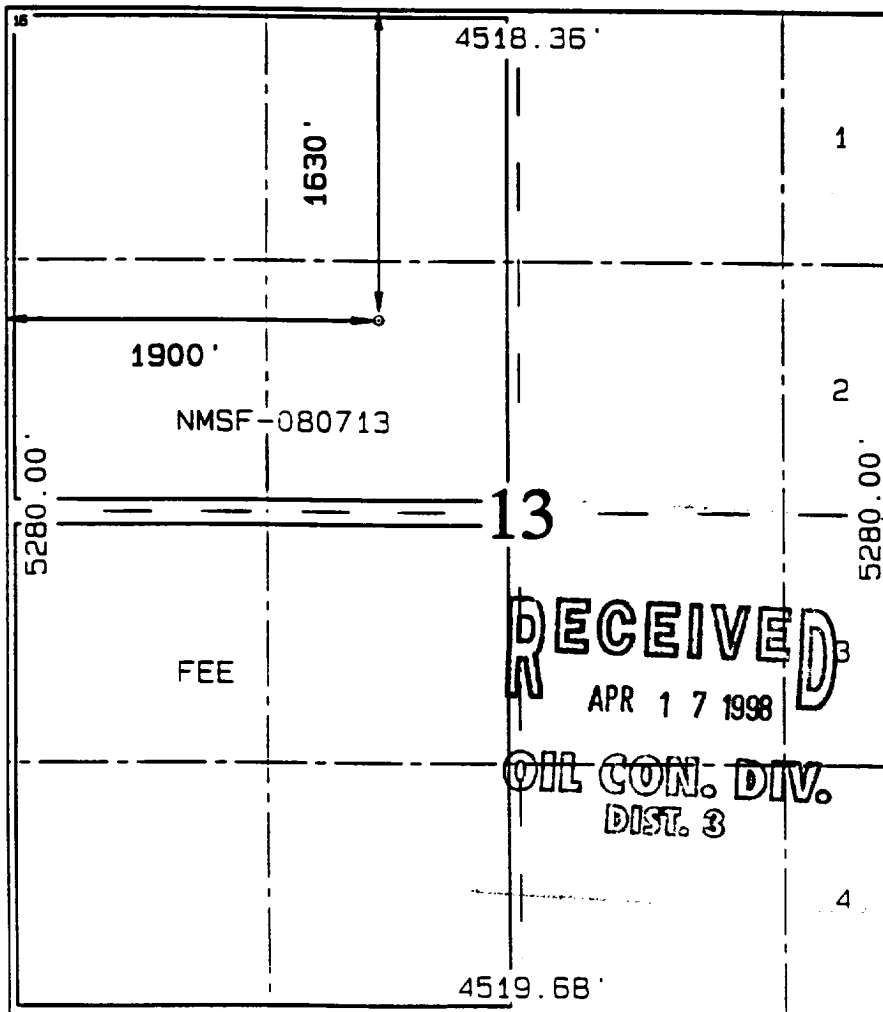
UL or lot no. F	Section 13	Township 30N	Range 6W	Lot 1st	Feet from the 1630	North/South line North	Feet from the 1900	East/West line West	Col. R. ARR
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	Col.
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12 Dedicated Acres MV-W/320 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



17 OPERATOR CERTIFICATION

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

*Peggy Bradfield*  
Signature

Peggy Bradfield  
Printed Name

Regulatory Administ.  
Title

2/11/98  
Date

18 SURVEYOR CERTIFICATION

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

JULY 21, 1997  
Date of Survey

Signature and Seal of Professional Surveyor

*NEALE C. EDWARDS*  
NEALE C. EDWARDS  
NEW MEXICO  
6857  
Certificate Number

RECEIVED  
JAN 1 1964

AMERICAN AIR

## OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #41A  
Location: 1630' FNL, 1900' FWL Section 13, T-30-N, R-6-W  
Rio Arriba County, New Mexico  
Latitude 36° 48.9, Longitude 107° 24.9  
Formation: Blanco Mesa Verde  
Elevation: 6338' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2390'	aquifer
Ojo Alamo	2390'	2825'	aquifer
Fruitland	2825'	3160'	
Pictured Cliffs	3160'	3355'	gas
Lewis	3355'	4015'	gas
Intermediate TD	3455'		
Mesa Verde	4015'	4373'	gas
Chacra	4373'	5225'	gas
Massive Cliff House	5225'	5260'	gas
Menefee	5260'	5520'	gas
Massive Point Lookout	5520'		gas
Total Depth	5920'		

### Logging Program:

Cased hole logging - Gamma Ray Neutron  
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
200-3455'	LSND	8.4-9.0	30-60	no control
3455-5920'	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>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3455'	7"	20.0#	J-55
6 1/4"	3355' - 5920'	4 1/2"	10.5#	J-55

### Tubing Program:

0' - 5920' 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.

**ST 30-6  
#41A**

**EXISTING  
R-O-W**

**FEE  
LANDS**

**BURLINGTON  
RESOURCES**

**San Juan 30-6 Unit #41A  
T30N, R6W**

**1500' FEE New Construction  
T30N, R6W**

**Section 13: SENW 700'  
NWNE 800'**

**APD MAP #1**