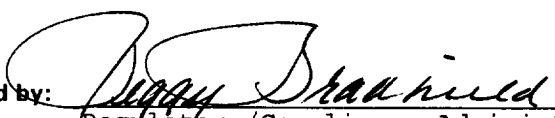


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NM-06283 Unit Reporting Number 8910005380	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company 14538	7. Unit Agreement Name San Juan 30-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 7469 San Juan 30-6 Unit 9. Well Number 46A	
4. Location of Well 1450' FSL, 670' FEL Latitude 36° 49.5, Longitude 107° 25.5	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde / BASIN 71599 11. Sec., Twn, Rge, Mer. (NMPM) DAKOTA I - Sec 11, T-30-N, R-6-W API # 30-039- 25810	
14. Distance in Miles from Nearest Town 8 miles to Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 670'		
16. Acres in Lease	17. Acres Assigned to Well 320 E/2 320 E/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1700'		
19. Proposed Depth 5745' 7620'	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.) 6163' 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

MAR 18 1998

APPROVED BY /S/ Duane W. Spencer

TITLE Team Lead

DATE MAR 18 1998

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

HOLD C-104 FOR N/SL
②

NMOCD

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 21,
Instructions on
Submit to Appropriate District C
State Lease - 4 C
Fee Lease - 3 C

50 FEB 12 PM 3:43

☐ AMENDED REP

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-25810		Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7469	Property Name SAN JUAN 30-6 UNIT		Well Number 46A
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 6163'

10 Surface Location

UL or lot no. I	Section 11	Township 30N	Range 6W	Lot 10n	Feet from the 1450	North/South line South	Feet from the 670	East/West line East	County RIO ARRI
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres MV-E/320 DK-E/320	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

16		5264.16'		17 OPERATOR CERTIFICATE I hereby certify that the information contained hereon is true and complete to the best of my knowledge and belief.	
RECEIVED MAR 20 1998 OIL CON. DIV. DIST. 3		NMSF-080714		Signature Peggy Bradfield Printed Name Regulatory Administrator Title 2/11/98 Date	
5280.00'		11		5280.00'	
4		3		2	
5		6		7	
5268.12'		NMSF-080714		8	
		NMNM-06283 TRACT 39		670' 1450'	

18 SURVEYOR CERTIFICATE
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.

JULY 21, 1997
Date of Survey

Signature and Seal of Professional Surveyor
NEALE C. EDWARDS
NEW MEXICO
5857
Certificate Number

OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #46A
Location: 1450' FSL, 670' FEL Section 11, T-30-N, R-6-W
 Rio Arriba County, New Mexico
 Latitude 36° 49.5, Longitude 107° 25.5
Formation: Blanco Mesa Verde
Elevation: 6163' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2228'	aquifer
Ojo Alamo	2228'	2615'	aquifer
Fruitland	2615'	2970'	
Pictured Cliffs	2970'	3212'	gas
Lewis	3212'	3835'	gas
Intermediate TD	3312'	4220'	gas
Mesa Verde	3835'	5028'	gas
Chacra	4220'	5100'	gas
Massive Cliff House	5028'	5345'	gas
Menefee	5100'		
Massive Point Lookout	5345'		
Total Depth	5745'		
DAKOTA	7620'		

Logging Program:
 Cased hole logging - Gamma Ray Neutron
 Coring/DST - none

<u>Mud Program:</u>	<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
	200-3312'	LSND	8.4-9.0	30-60	no control
	3312-5745'	Gas/Mist	n/a	n/a	n/a

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

<u>Casing Program (as listed, the equivalent, or better):</u>			
<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt. Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3# H-40
8 3/4"	0' - 3312'	7"	20.0# J-55
6 1/4"	3312' - 5745'	4 1/2"	10.5# J-55
	7620	5 1/2"	15.5# K-55
		2 3/8"	4.7# J-55

Tubing Program:

0' - 5745'

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.

**BURLINGTON
RESOURCES**
San Juan 30-6 Unit #46A
T30N, R6W

800' BLM New Construction
T30N, R6W

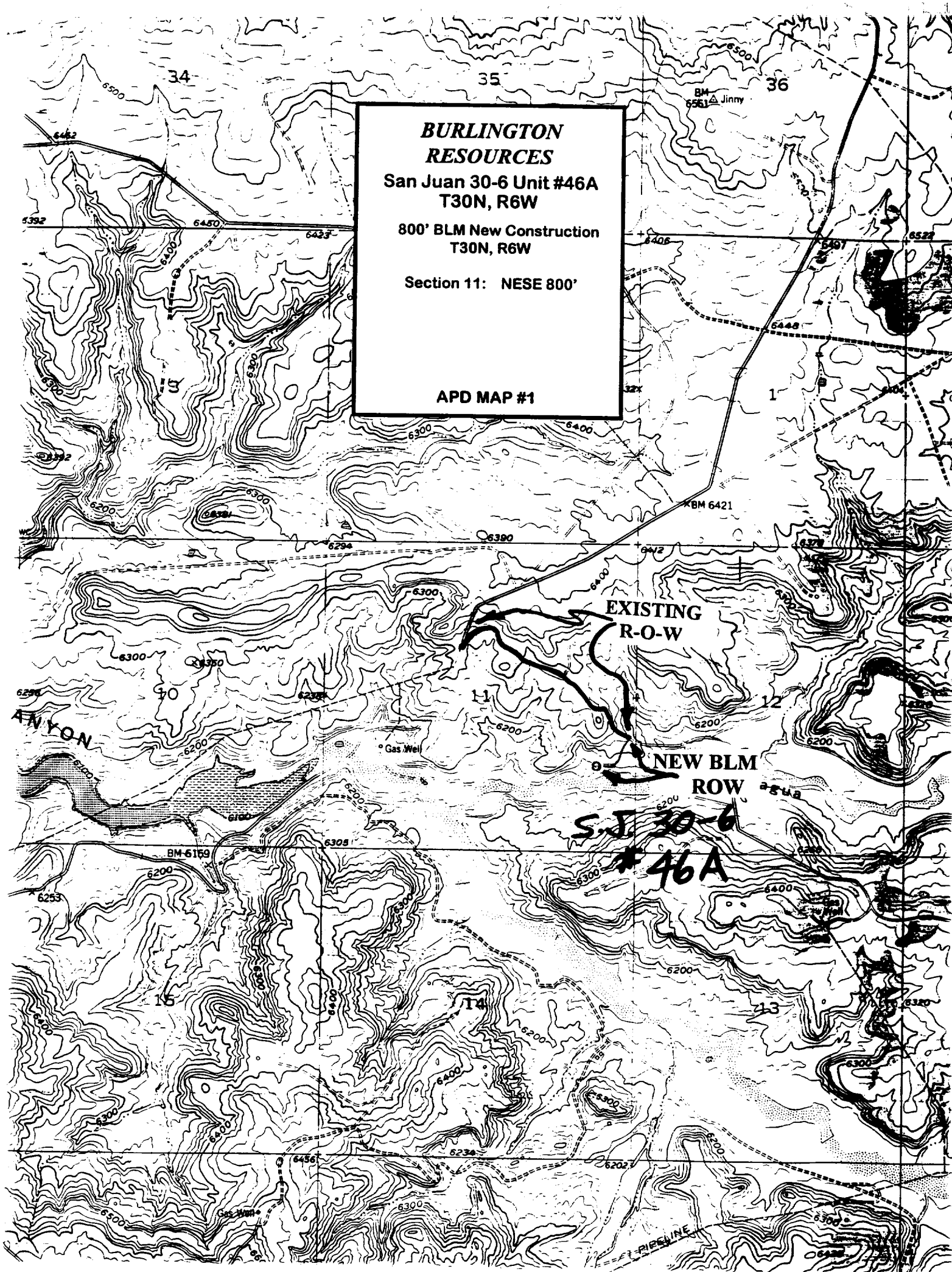
Section 11: NESE 800'

APD MAP #1

EXISTING
R-O-W

NEW BLM
ROW

S.J. 30-6
#46A



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

RECEIVED
MAR 20 1998

EST 12 PM 3545

FARMINGTON, NM

1. Type of Well
GAS

Lease Number
NM-06283

If Indian, All. or
Tribe Name

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

**OIL CON. DIV.
DIST. 3**

7. Unit Agreement Name

San Juan 30-6 Unit

3. Address & Phone No. of Operator

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

8. Well Name & Number

San Juan 30-6 U #46A

9. API Well No.

30-039-

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

1450' FSL, 670' FEL, Sec. 11, T-30-N, R-6-W, NMPM

10. Field and Pool

Blanco MV/Basin DK

11. County and State

Rio Arriba Co, NM

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

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☒ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ 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 7620'. The revised casing and cementing program is as follows: a 5 1/2" 15.5# K-55 flushjoint liner will be run from 3212-7620'. 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 223 sx Class "B" 50/50 poz w/2% gel, 5 pps Gilsonite, 0.25 pps Cellophane, 0.4% fluid loss additive (297 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 *Deanne W. Spencer* (KASPUD) Title Regulatory Administrator Date 2/12/98

(This space for Federal or State Office use)

APPROVED BY *AS/Deanne W. Spencer*

Title *Team Lead*

Date *18*
MAR 18 1998

CONDITION OF APPROVAL, if any: