

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-06738 Unit Reporting Number
1b. Type of Well GAS	6. Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company	Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Sanchez 9. Well Number 2R
4. Location of Well 770' FSL, 1665' FEL Latitude 36° 45.8, Longitude 107° 52.1	10. Field, Pool, Wildcat Aztec Pictured Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 34, T-30-N, R-10-W API # 30-045-30128
14. Distance in Miles from Nearest Town 6 mi from Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 770'	
16. Acres in Lease	17. Acres Assigned to Well 158.54 SE/4
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 600'	
19. Proposed Depth 2694'— <small>This action is subject to technical and procedural review pursuant to 43 CFR 3163.3 and appeal pursuant to 43 CFR 3165.4.</small>	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6201 GL 6020	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: <u>Peggy Cole</u> Regulatory/Compliance Administrator	<u>1-18-00</u> Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY J.L. TITLE _____ DATE 7-11-00

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.

NMCCD

District I
PO Box 1980, Hocos, 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 C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-30128	Pool Code 71280 -	Pool Name Aztec Pictured Cliffs
Property Code 7475	Property Name SANCHEZ	Well Number 2R
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6020 -

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
0	34	30N	10W		770	SOUTH	1665	EAST	SAN JUAN

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 158.54 SE 1/4		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 2607.00'		¹⁶ 2624.16'		¹⁷ OPERATOR CERTIFICATION	
Corrected to show correct elevation		LOT 2		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
LOT 8		LOT 3		Signature <i>Nancy Ottmanns for</i>	
LOT 7		LOT 1		Printed Name Peggy Cole	
LOT 6		LOT 5		Title Regulatory Administrator	
LOT 9		LOT 10		Date 2-11-00	
LOT 11		LOT 12		¹⁸ SURVEYOR CERTIFICATION	
5228.52'		NM-06738		I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.	
5278.68'		5277.36'		DECEMBER 17, 1999	
				Date of Survey	
				Signature and Seal of Professional Surveyor	
				NEALE C. EDWARDS NEW MEXICO 6857	
				Certificate Number 6857	

OPERATIONS PLAN

Well Name: Sanchez #2R
Location: 770' FSL, 1665' FEL Section 34, T-30-N, R-10-W
San Juan County, New Mexico
Latitude 36° 45.8, Longitude 107° 52.1
Formation: Aztec Pictured Cliffs
Elevation: 6201' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1239'	
Ojo Alamo	1239'	1397'	aquifer
Kirtland	1397'	1906'	
Fruitland	1906'	2494'	gas
Pictured Cliffs	2494'		gas
Total Depth	2694'		

Logging Program: cased hole - GR/CCL

Coring Program: none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 120'	Spud	8.4-9.0	40-50	no control
120-2694'	LSND	8.4-9.0	40-60	no control

Casing Program (as listed, equivalent, or better):

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
8 3/4"	0 - 120'	7"	20.0#	J-55
6 1/4"	0 - 2694'	4 1/2"	10.5#	K-55

Tubing Program: - 0' 0 2694' 2 3/8" 4.70# EUE

Float Equipment: 7" surface casing - saw tooth guide shoe.
Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 1397'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1397'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 4 1/2" 2000 psi screw on independent wellhead.

Sanchez #2R

Cementing:

7" surface casing - cement with 46 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (54 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

4 1/2" production casing - Lead w/149 sx Class "B" w/3% sodium metasilicate, 1/2 pps cellophane and 10 pps gilsonite. Tail w/90 sx 50/50 Class "B" Poz w/2% gel, 1/2 pps flocele, and 10 pps gilsonite, 2% calcium chloride (552 cu.ft. of slurry, 100% excess to circulate to surface). WOC 8 hrs. If cement does not circulate to surface, a CBL will be run during completion to determine TOC. —

BOP and tests:

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1 and #2)). Prior to drilling out surface casing, test rams to 600 psi/30 min.

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2)). Prior to completion operations, test rams and casing to 2000 psi/15 min.

From surface to TD - choke manifold (Reference Figure #3)).

Pipe rams will be actuated to least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- * The Pictured Cliffs formation will be completed.
- * Anticipated pore pressure for the Pictured Cliffs is 600 psi.
- * This gas is dedicated.
- * The southeast quarter of the section is dedicated to the Pictured Cliffs.
- * New casing will be utilized.

Steve Capbell
Drilling Engineer

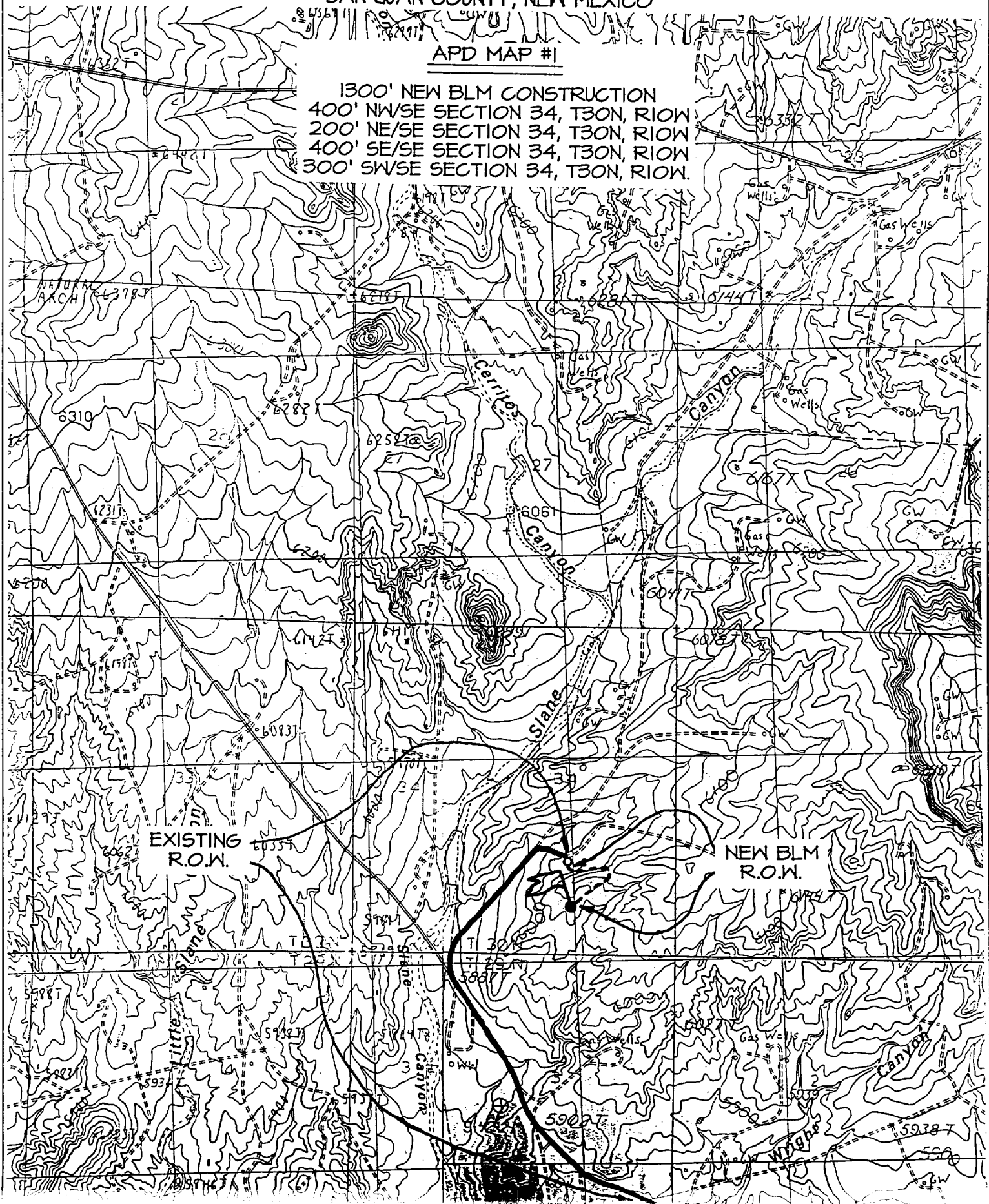
1/18/2000
Date

BURLINGTON RESOURCES OIL & GAS COMPANY SANCHEZ #2R

770' FSL & 1665' FEL, SECTION 34, T30N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

1300' NEW BLM CONSTRUCTION
400' NW/SE SECTION 34, T30N, R10W
200' NE/SE SECTION 34, T30N, R10W
400' SE/SE SECTION 34, T30N, R10W
300' SW/SE SECTION 34, T30N, R10W.



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well

GAS

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

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

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

770' FSL, 1665' FEL, Sec. 34, T-30-N, R-10-W, NMPM

5. Lease Number

NM-06738

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Sanchez #2R

9. API Well No.

30-045-30128

10. Field and Pool

Aztec Pict'd Cliffs

11. County and State

San Juan Co, NM

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

Type of Submission

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment

Type of Action

☐ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☒ Other -☒ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut off☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to change the production casing and cement program on the subject well. The casing and cement will be altered as follows:

Hole Size	Depth Interval	Csg. Size	Weight	Grade
6 3/4"	0 - 2694'	2 7/8"	6.4#	J-55

Cement

2 7/8" production casing - Lead w/270 sx Class "B" w/3% econolite, 1/2 pps cellophane and 10 pps gilsonite. Tail w/90 sx 50/50 Class "B" Poz w/2% gel, 2% calcium chloride, 1/4 pps flocele, and 5 pps gilsonite (905 cu.ft. of slurry, 100% excess to circulate to surface). WOC 8 hrs. If cement does not circulate to surface, a CBL will be run during completion to determine TOC.

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

Signed Tammy Wimsatt Title Regulatory Supervisor Date 7/24/00
TLW

(This space for Federal or State Office use)

APPROVED BY J.L. Title _____ Date _____

CONDITION OF APPROVAL, if any:

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 representations as to any matter within its jurisdiction.

NMOC