


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-080724A Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Zachry 9. Well Number 1R
4. Location of Well 1640' FNL, 1025' FWL Latitude 36° 40.3, Longitude 107° 51.2	10. Field, Pool, Wildcat Aztec Pic.Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec 12, T-28-N, R-10-W API # 30-045-24559
14. Distance in Miles from Nearest Town 5 miles to Bloomfield	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 850'	17. Acres Assigned to Well 202.82 SW/4
16. Acres in Lease This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 60''	
19. Proposed Depth 2270 DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5847' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by:  Regulatory/Compliance Administrator	Date 2/9/98

PERMIT NO. \_\_\_\_\_ APPROVAL DATE APR 02 1998  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Archaeological Report submitted  
Threatened and Endangered Species Report submitted  
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

NMOC

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 C-1  
Revised February 21, 19

Instructions on page  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

17 FEB 1998

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-2433	*Pool Code 71280	*Pool Name Aztec Pictured Cliffs
*Property Code 7654	*Property Name ZACHRY	*Well Number 1R
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	*Elevation 5847'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
N	12	28N	10W		850	South	1485	West	SAN JUA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 202.32	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

15	5285.28'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature: <i>Peggy Bradfield</i> Printed Name: Peggy Bradfield Regulatory Administrator Title: <i>2/4/98</i> Date: <i>2/4/98</i>
12	RECEIVED APR - 6 1998 OIL CON. DIV. DIST. 3	18 SURVEYOR CERTIFICATION 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.  JANUARY 17, 1998 Date of Survey Signature and Seal of Professional Surveyor <i>NEALE C. EDWARDS</i> NEW MEXICO 6857 6857 Certificate Number
2179.98'	4 3 2 1 1485' SF-080724A 850' 5280.00'	2199.12'

submitted in lieu of Form 3160-5

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

850' FSL, 1485' FWL, Sec.12, T-28-N, R-10-W, NMPM

5. Lease Number  
SF-080724-A

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Zachry #1R

9. API Well No.  
30-045-

10. Field and Pool  
Aztec Pictured Cliffs

11. County and State  
San Juan 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

It is intended to change the surface casing program on this well as follows:

Drill an 8 3/4" surface hole to 120'. Run 7", 20.0# J-55 surface casing set from 0-120'. Cement w/46 sx Class "G" w/3% calcium chloride and 0.25 pps cellophane (54 cu ft of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

RECEIVED  
APR - 9 1998

OIL CORP. DIV  
DNE 3

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

Signed [Signature] Title Regulatory Administrator Date 3/18/98  
VKH

(This space for Federal or State Office use)

APPROVED BY [Signature] Title Acting Team Lead Date APR 02 1998

CONDITION OF APPROVAL, if any:

OPERATIONS PLAN

**Well Name:** Zachry #1R  
**Location:** 850' FSL, 1485' FWL Section 12, T-28-N, R-10-W  
 San Juan County, New Mexico  
 Latitude 36° 40.3', Longitude 107° 51.2'  
**Formation:** Aztec Pictured Cliffs  
**Elevation:** 5847' GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	960'	
Ojo Alamo	960'	1100'	aquifer
Kirtland	1100'	1976'	
Fruitland	1740'	2071'	
Upper Coal	1945'	2045'	gas
Basal Coal	2045'	2071'	gas
Pictured Cliffs	2071'		gas
Total Depth	2270'		

**Logging Program:** Hi Res Ind, Den/Neut, MRL/GR to Total Depth.

**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
120-2270'	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>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0 - 120'	8 5/8"	23.0#	M-50
6 1/4"	0 - 2270'	3 1/2"	7.7#	WC-70

**Tubing Program:** - none

**Float Equipment:** 8 5/8" surface casing - saw tooth guide shoe.  
 Centralizers will be run in accordance with Onshore Order #2.

3 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Four centralizers run every 3rd joint to the base of the Ojo Alamo @ 1100'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1100'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

**Wellhead Equipment:** 8 5/8" x 3 1/2" x 11" 2000 psi screw on independent wellhead.

**Cementing:**

8 5/8" surface casing - cement with 129 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (149 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

3 1/2" production casing - Lead w/253 sx of 65/35 Class "B" Poz w/6% gel, 2% calcium chloride, and 1/4# flocele/sx. Tail w/100 sx Class "B" w/2% calcium chloride (581 cu.ft. of slurry, 75% 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.

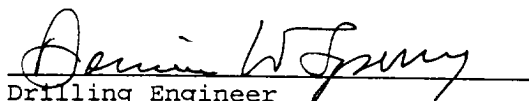
Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 2000 psi/15 min.

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 Fruitland Coal is 300 psi and for the Pictured Cliffs is 600 psi.
- \* This gas is dedicated.
- \* The southwest quarter of the section is dedicated to the Pictured Cliffs.
- \* New casing will be utilized.
- \* Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

  
Drilling Engineer

2-16-98  
Date

BURLINGTON RESOURCES OIL & GAS COMPANY ZACHRY #1R

850' FSL & 1485' FWL, SECTION 12, T28N, R10W, N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO

