

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-077384 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES 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 23134 Galt 9. Well Number 1R
4. Location of Well 830' FSL, 1165' FEL Latitude 36° 36.0, Longitude 107° 50.3	10. Field, Pool, Wildcat 77200 Fulcher Kutz Pic.Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) P Sec 1, T-27-N, R-10-W API # 30-045-29558
14. Distance in Miles from Nearest Town 10 miles to Bloomfield	12. County SJ 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 830'	17. Acres Assigned to Well SE/4 160 (58.97)
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1800'	
19. Proposed Depth 2530'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6415' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <i>[Signature]</i> Regulatory/Compliance Administrator	2/6/98 Date

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

NMOCD

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-
Revised February 21, 19

District II
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Submit to Appropriate District Office
State Lease - 4 Cop.
Fee Lease - 3 Cop.

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

93 FEB 26 PM 2:05 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-24558	Pool Code 77200	Pool Name Fulcher Kutz Pictured Cliffs
Property Code 23134	Property Name GALT	Well Number 1R
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6415'

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
P	1	27N	10W		830	South	1165	East	SAN JUA

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 160	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

16	5280.00'	17 OPERATOR CERTIFICAT	
4	3	2	1
5299.80'	RECEIVED APR - 6 1998 OIL CON. DIV. DIST. 3	5	2640.00'
1	SF-077384	6	2640.00'
5273.40'	830'	7	1165'
		18 SURVEYOR CERTIFICAT	
		I hereby certify that the well location shown on this was plotted from field notes or actual surveys made by or under my supervision, and that the same is true and correct to the best of my belief.	
		JANUARY 9, 1998	
		Date of Survey	
		Signature and Seal of Registered Professional Surveyor	
		NEALE C. EDWARDS NEW MEXICO 6857	
		Certificate Number	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
APR 1 1998

Sundry Notices and Reports on Wells

070 FARMINGTON, NM
APR 1 1998

1. Type of Well
GAS

5. Lease Number
SF-077384
6. If Indian, All. or
Tribe Name

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

7. Unit Agreement Name

3. Address & Phone No. of Operator

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

8. Well Name & Number
Galt #1R

9. API Well No.
30-045-

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

830' FSL, 1165' FEL, Sec.1, T-27-N, R-10-W, NMPM

10. Field and Pool
Fulcher Kutz PC

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

<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 type="checkbox"/> 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.

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APR - 6 1998

OIL CON. DIV.

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

DIST. 3

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:

MAILED

OPERATIONS PLAN

Well Name: Galt #1R
Location: 830' FSL, 1165' FEL Section 1, T-27-N, R-10-W
 San Juan County, New Mexico
 Latitude 36° 36.0', Longitude 107° 50.3'
Formation: Fulcher Kutz Pictured Cliffs
Elevation: 6415' GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1376'	
Ojo Alamo	1376'	1518'	aquifer
Kirtland	1518'	1642'	
Fruitland	2034'	2339'	
Upper Coal	2205'	2313'	gas
Basal Coal	2313'	2339'	gas
Pictured Cliffs	2339'		gas
Total Depth	2530'		

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
120-2530'	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>
12 1/4"	0 - 120'	8 5/8"	23.0#	M-50
6 1/4"	0 - 2530'	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 @ 1518'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1518'. 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/289 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 (647 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 southeast 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

2-12-98
Date

BURLINGTON RESOURCES OIL & GAS COMPANY GALT #1R

830' FSL & 1165' FEL, SECTION 1, T27N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

BLM 400' NEW CONSTRUCTION
SE/SE SECTION 1, T27N, R10W

