



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

March 17, 1997

RECEIVED  
MAR 31 1997

OIL CON. DIV.  
DIST. 3

Burlington Resources  
3535 East 30th Street  
Farmington, New Mexico 87499-4289  
Attention: Peggy Bradfield

Administrative Order TX-266

Dear Mr. Prichard:

Reference is made to your request for an exception to the tubing setting requirements as contained in Division Rule 107 (j) for the below-named wells.

Pursuant to the authority granted me by Rule 107 (d) (4), you are hereby authorized to make tubingless completions in the following wells:

Well Name and Number:

Ballard #2	Ballard Pictured Cliffs	P 10-26-09	30-045-05902
Ballard #5	Ballard Pictured Cliffs	P 14-26-09	30-045-05823
Crandell #1	Ballard Pictured Cliffs	M 11-26-09	30-045-05909
Douthit #3	W. Kutz Pictured Cliffs	P 26-27-11	30-045-06213
Harrington #3	S. Blanco Pictured Cliffs	P 31-27-07	30-045-06848
Hubbell SRC #2	Fulcher Kutz Pictured Cliffs	I 30-28-10	30-045-07141
Huerfanito Unit #64	Ballard Pictured Cliffs	D 12-26-09	30-045-05962
Huerfanito Unit #69	Ballard Pictured Cliffs	D 10-26-09	30-045-05968
Luthy A #1	S. Blanco Pictured Cliffs	H 01-26-08	30-045-06040
McManus #1	Ballard Pictured Cliffs	P 30-26-08	30-045-05654
McManus #9	Ballard Pictured Cliffs	M 33-26-08	30-045-05604
Newman A #6	Fulcher Kutz Pictured Cliffs	J 19-28-10	30-045-07312
Quitza #1	Ballard Pictured Cliffs	D 03-25-08	30-045-05565
Quitza #2	Ballard Pictured Cliffs	F 11-25-08	30-045-05500
Quitza #3	Ballard Pictured Cliffs	P 11-25-08	30-045-05469
Quitza #4	Ballard Pictured Cliffs	O 03-25-08	30-045-05532
Quitza #5	Ballard Pictured Cliffs	M 03-25-08	30-045-05536
Turner Hughes #10	S. Blanco Pictured Cliffs	B 11-27-08 9	30-045-06710
White Kutz #3	Fulcher Kutz Pictured Cliffs	B 20-28-10	30-045-07364
Wilson A #1	Ballard Pictured Cliffs	D 32-26-08	30-045-05630
Wilson A #2	Ballard Pictured Cliffs	K 32-26-08	30-045-05611

Conditions:

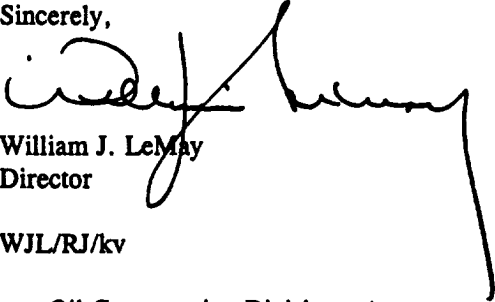
The operator shall place adequate cement prior to running 3 1/2" casing, or alternatively at the time of plugging and abandonment to insure that the Ojo Alamo Formation is completely sealed off with cement. The methodology to be employed shall be approved by the division's Aztec office prior to commencement of any remedial work.

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The Division reserves the right to rescind this authority in the event that waste appears to be resulting therefrom.

Sincerely,

A handwritten signature in black ink, appearing to read 'William J. LeMay', is written over the printed name and title.

William J. LeMay  
Director

WJL/RJ/kv

cc: Oil Conservation Division - Aztec

# BURLINGTON RESOURCES

SAN JUAN DIVISION

March 3, 1997

New Mexico Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

Att: Mr. Roy Johnson

Dear Roy:

As we discussed February 27 by phone, this letter serves as application for variance to Rule 107 Sections J. We intend to workover and drill additional hole in the following wells in the Pictured Cliffs formation, run 3 1/2" casing and cement, and run no tubing.

Ballard #2	Ballard Pictured Cliffs	P 10-26-09	30-045-05902 ✓
Ballard #5	Ballard Pictured Cliffs	P 14-26-09	30-045-05823
Crandell #1	Ballard Pictured Cliffs	M 11-26-09	30-045-05909
<del>Douthit #3</del>	<del>W.Kutz Pictured Cliffs</del>	<del>P 26-27-11</del>	<del>30-045-06213</del> ✓
OK - Harrington #3	S.Blanc Pictured Cliffs	P 31-27-07	30-045-06848 ✓
Hubbell SRC #2	Fulcher Kutz Pictured Cliffs	I 30-28-10	30-045-07141
Huerfanito Unit #64	Ballard Pictured Cliffs	D 12-26-09	30-045-05962
Huerfanito Unit #69	Ballard Pictured Cliffs	D 10-26-09	30-045-05968
OK - Luthy A #1	S.Blanc Pictured Cliffs	H 01-26-08	30-045-06040 ✓
Luthy #2	S.Blanc Pictured Cliffs	K 01-26-08	30-045-06025 ✓
McManus #1	Ballard Pictured Cliffs	P 30-26-08	30-045-05654 ✓
McManus #9	Ballard Pictured Cliffs	M 33-26-08	30-045-05604 ✓
Newman A #6	Fulcher Kutz Pictured Cliffs	J 19-28-10	30-045-07312 ✓
Quitau #1	Ballard Pictured Cliffs	D 03-25-08	30-045-05565 ✓
Quitau #2	Ballard Pictured Cliffs	F 11-25-08	30-045-05500 ✓
Quitau #3	Ballard Pictured Cliffs	P 11-25-08	30-045-05469 ✓
Quitau #4	Ballard Pictured Cliffs	O 03-25-08	30-045-05532
Quitau #5	Ballard Pictured Cliffs	M 03-25-08	30-045-05536
Turner Hughes #10	S.Blanc Pictured Cliffs	B 11-27-08	30-045-06710 ✓
White Kutz #3	Fulcher Kutz Pictured Cliffs	B 20-28-10	30-045-07364 ✓
Wilson A #1	Ballard Pictured Cliffs	D 32-26-08	30-045-05630 ✓
Wilson A #2	Ballard Pictured Cliffs	K 32-26-08	30-045-05611 ✓

These tubingless completions are desirable as they allow Burlington to economically produce reserves from the tight, low pressure Pictured Cliffs formation. Significant cost savings are realized using this method. The 3 1/2" casing string will allow the wells to produce at a higher rate than can be realized through smaller tubulars, and also carry less risk during any subsequent workover operations.

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Tubingless Completion Application

All the listed wells meet the following criteria:

- are in proven fields
- are less than 5000' total depth
- do not have corrosive or pressure problems
- are not dual completions
- will not produce any liquids or condensate (dry gas only)

Attached is a copy of the C102 well location plat and wellbore schematic for each well. Please let me know if you require any further information for these wells.

Sincerely,

BURLINGTON RESOURCES

A handwritten signature in cursive script, appearing to read "Peggy Bradfield".

Peggy Bradfield  
Regulatory/Compliance Administrator

xc: NMOCD Aztec District Office

# Quitza #5

Section 3 M, T-25-N, R-8-W  
San Juan County, NM

## BALLARD PICTURED CLIFFS WELLBORE SCHEMATIC

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OIL CON. DIV.  
DIST. 2

CURRENT

PROPOSED

Cmt. Top  
@ Surf (circ)

8-5/8" 24# J-55  
Casing  
Set @ 93'  
Cmt w/ 100 sx

Cmt. Top  
@ 1638'  
w/ 75% Eff.

1" 1.7# Tubing  
Set @ 2276'  
(107 Jts)

5-1/2" 14# J-55 Casing  
Set @ 2227'  
Cmt w/ 100 sx

SOF w/  
10,290 gal oil  
& 14,000# sand

PBTD @ 2277'  
TD @ 2277'

ELEVATION: 6592' GL 6602' KB

TOP OF OJO ALAMO @ 1516' Est.

TOP OF KIRTLAND @ 1639 Est.

TOP OF FRUITLAND  
@ 1966' Est.

TOP OF PICTURED CLIFFS  
@ 2262' Est.

3-1/2" 7.7# WC-70  
Casing Set @ 2390'  
Cmt w/180 sxto  
Surface.

Perf & Foam Frac  
2236' - 2344' w/  
90,000# 20/40 sand

PBTD @ 2386'  
TD @ 2390'

**NEW MEXICO OIL CONSERVATION COMMISSION**  
Santa Fe, New Mexico

(Form C-104)  
(Revised 7/1/52)

**REQUEST FOR (OIL) - (GAS) ALLOWABLE**

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farmington, New Mexico

6-22-55

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

RENNETT-ROBERTS

GRIZZARD

Well No. 5, in SW  $\frac{1}{4}$  SW  $\frac{1}{4}$ ,

(Company or Operator)

(Lease)

Sec. 8, T. 23N, R. 9E, NMPM., Ballard NC Pool

(Unit)

Santa Fe

County. Date Spudded 4-12-55

Date Completed 5-22-55

Please indicate location:


Elevation 6402 Total Depth 2277 P.B. -

Top oil/gas pay 2222 Name of Prod. Form Pictured Cliffs

Casing Perforations: - or -

Depth to Casing shoe of Prod. String 2257

Natural Prod. Test - BOPD

based on - bbls. Oil in - Hrs. - Mins.

Test after acid or shot - BOPD

Based on - bbls. Oil in - Hrs. - Mins.

Gas Well Potential 9,815 MCF/day (uncorrected)

Size choke in inches 2"

Date first oil run to tanks or gas to Transmission system: awaiting approval of Form C-115

Transporter taking Oil or Gas: El Paso Natural Gas Company

**Casing and Cementing Record**

Size Feet Sx

<u>8-5/8"</u>	<u>84</u>	<u>150</u>
<u>6-1/2"</u>	<u>200</u>	<u>150</u>
<u>1"</u>	<u>200</u>	<u>-</u>

Remarks: -

I hereby certify that the information given above is true and complete to the best of my knowledge  
Approved RENNETT-ROBERTS, 19 55  
(Company or Operator)

OIL CONSERVATION COMMISSION

By: -

Title -

By: -  
(Signature)

Title Field Superintendent

Send Communications regarding well to:

Albert E. Grow

Name -

Address 4001 N. Broadway, Farmington, New Mexico