



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
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. Blanco Pictured Cliffs	B 11-27-08 7	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:

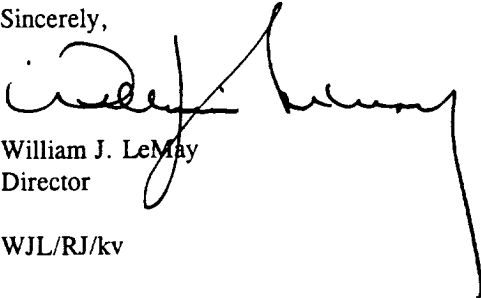
The operator shall place adequate cement prior to running 3 1/2" casing, or alternatively at the time of plugging and abandonment to insure that the Ojo Alamo Formation is completely sealed off with cement. The methodology to be employed shall be approved by the division's Aztec office prior to commencement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

Administrative Order TX-266  
Burlington Resources  
March 17, 1997  
Page 2

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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. Blanco Pictured Cliffs	P 31-27-07	30-045-06848 ✓
Hubbell SRC #2	Fulcher Kutz Pictured Cliffs	I 30-28-10	30-045-07141
Huerfano Unit #64	Ballard Pictured Cliffs	D 12-26-09	30-045-05962
Huerfano Unit #69	Ballard Pictured Cliffs	D 10-26-09	30-045-05968
OK - Luthy A #1	S. Blanco Pictured Cliffs	H 01-26-08	30-045-06040 ✓
Luthy #2	S. Blanco 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. Blanco 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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OIL CON. DIV.  
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New Mexico Oil Conservation Division  
Page Two  
March 3, 1997  
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

# Ballard #2

Section 10P, T-26-N, R-9-W  
San Juan County, NM

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## BALLARD PICTURED CLIFFS WELLBORE SCHEMATIC

OIL & GAS DIV.  
2000

CURRENT

PROPOSED

Cmt. Top  
@ Surf (circ)

8-5/8" 24# CF-I  
Casing Set @ 93'  
Cmt w/ 100 sks.

Cmt. Top  
@ 1343' (75% eff.)

1" 1.7# Tubing  
Set @ 1953'  
(93 Joints)

5-1/2" 14# CF&I & J-55  
Casing Set @ 1931'  
Cmt w/ 100 sks.

SOF w/ 6,500 gal  
oil & 4,800# sand

PBTD @ 1978'  
TD @ 1978'

ELEVATION: 6248' KB

TOP OF OJO ALAMO @ 1109'

TOP OF KIRTLAND @ 1220'

TOP OF FRUITLAND @ 1627'

TOP OF PICTURED CLIFFS  
@ 1922'

3-1/2" 9.2# J-55 Casing  
Set @ 2032'  
Cmt w/140 sx to Surface.

Perf & Foam Frac  
1935'-2010' with  
80,000# 20/40 sand

PBTD @ 2029'  
TD @ 2032'

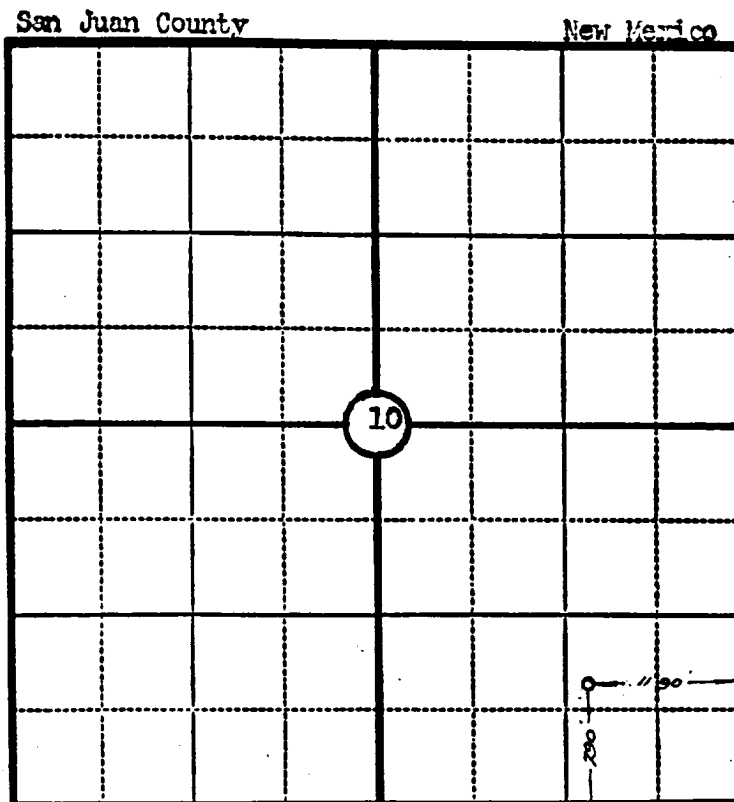
Company J. CLAREN TUNNEY

Lease Ballard-Federal Well No. 2-10

Sec. 10, T. 26 N, R. 9 W., N.M.P.M.

Location 790' from the South line and 1190' from the East line.

Elevation 6240 Ungraded ground.



Scale—4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

Registered Professional  
Engineer and Land Surveyor.

Charles J. Finklea  
N. Mex. Reg. No. 1302

Surveyed 11 May, 1954