



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

March 3, 1998

Burlington Resources
P. O. Box 4289
Farmington, NM 87499-4289
Attention: Peggy Bradfield

Administrative Order TX-281

Dear Ms. Bradfield:

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(j) (4), you are hereby authorized to make tubingless completions in the following wells:

Well Name, Number and Location:

Brink Well No. 2R, New Drill, Unit F, Section 19, Township 28 North, Range 10 West, NMPM, San Juan County, New Mexico.

Cleveland Well No. 1R, New Drill, Unit A, Section 17, Township 27 North, Range 9 West, NMPM, San Juan County, New Mexico.

Cornell Well No. 3R, New Drill, Unit I, Section 1, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico.

Cornell Well No. 5R, New Drill, Unit A, Section 1, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico.

Fuller Well No. 2R, New Drill, Unit A, Section 22, Township 30 North, Range 11 West, NMPM, San Juan County, New Mexico.

Galt Well No. 1R, New Drill, Unit P, Section 1, Township 27 North, Range 10 West, NMPM, San Juan County, New Mexico.

Hanks Well No. 5R, New Drill, Unit M, Section 7, Township 27 North, Range 9 West, NMPM, San Juan County, New Mexico.

Hubbell Well No. 20, API No. 30-045-29441, Unit P, Section 29, Township 28 North, Range 10 West, NMPM, San Juan County, New Mexico.

Huerfanito Unit Well No. 93R, New Drill, Unit C, Section 25, Township 27 North, Range 9 West, NMPM, San Juan County, New Mexico.

PVZV2005731366

Huerfano Unit Well No. 24R, New Drill, Unit M, Section 29, Township 27 North, Range 10 West, NMPM, San Juan County, New Mexico.

Lodewick Well No. 1R, New Drill, Unit E, Section 18, Township 27 North, Range 9 West, NMPM, San Juan County, New Mexico.

Lodewick Well No. 3R, New Drill, Unit F, Section 19, Township 27 North, Range 9 West, NMPM, San Juan County, New Mexico.

Murphy B Well No. 1R, New Drill, Unit K, Section 25, Township 30 North, Range 11 West, NMPM, San Juan County, New Mexico.

Newman A Well No. 7R, New Drill, Unit G, Section 19, Township 28 North, Range 10 West, NMPM, San Juan County, New Mexico.

Quitau Well No. 8R, New Drill, Unit G, Section 11, Township 25 North, Range 8 West, NMPM, San Juan County, New Mexico.

Schwerdtfeger Well No. 1R, New Drill, Unit M, Section 8, Township 27 North, Range 11 West, NMPM, San Juan County, New Mexico.

Zachry Well No. 1R, New Drill, Unit N, Section 12, Township 28 North, Range 10 West, NMPM, San Juan County, New Mexico.

Circulation of cement will be required on all casing strings.

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

Sincerely,


Lori Wrotenbery
Director

LW/RJ/kv

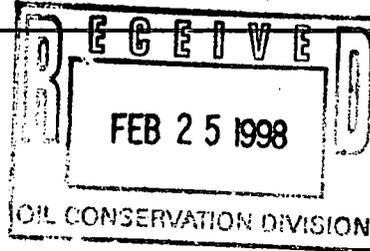
cc: Oil Conservation Division - Aztec

BURLINGTON RESOURCES

SAN JUAN DIVISION

February 24, 1998

Mr. Roy Johnson
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505



Dear Mr. Johnson:

This is an application for variance to Rule 107 Section J. We intend to drill and complete the following wells in the Pictured Cliffs formation, run 3 1/2" casing and cement, and run no tubing.

Brink #2R	NW Section 19, T-28-N, R-10-W	30-045-not assigned
Cleveland #1R	SE Section 17, T-27-N, R-9-W	30-045-not assigned
Cornell #3R	SE Section 1, T-29-N, R-12-W	30-045-not assigned
Cornell #5R	NE Section 1, T-29-N, R-12-W	30-045-not assigned
Fuller #2R	NE Section 22, T-30-N, R-11-W	30-045-not assigned
Galt #1R	SE Section 1, T-27-N, R-10-W	30-045-not assigned
Hanks #5R	SW Section 7, T-27-N, R-9-W	30-045-not assigned
Hubbell #20	SE Section 29, T-28-N, R-10-W	30-045-29441
Huerfanito Unit #93R	NW Section 25, T-27-N, R-9-W	30-045-not assigned
Huerfano Unit #24R	SW Section 29, T-27-N, R-10-W	30-045-not assigned
Lodewick #1R	NW Section 18, T-27-N, R-9-W	30-045-not assigned
Lodewick #3R	NW Section 19, T-27-N, R-9-W	30-045-not assigned
Murphy B #1R	SW Section 25, T-30-N, R-11-W	30-045-not assigned
Newman A #7R	NE Section 19, T-28-N, R-10-W	30-045-not assigned
Quitau #8R	NE Section 11, T-25-N, R-8-W	30-045-not assigned
Schwerdtfeger #1R	SW Section 8, T-27-N, R-11-W	30-045-not assigned
Zachry #1R	SW Section 12, T-28-N, R-10-W	30-045-not assigned

These tubingless completions are desirable as they allow us 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 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.

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 C-102 location plat for each well with the exception of the Huerfanito Unit #93R and the Schwerdtfeger #1R which are in the process of being staked, and a wellbore schematic for each well. Please let me know if you require any additional information for these wells.

Sincerely,



Peggy Bradfield
Regulatory/Compliance Administrator
xc: NMOCD Aztec District Office

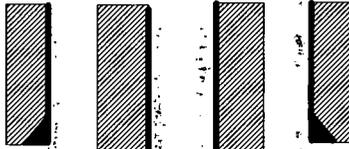
Brink #2R

Section 19F, T-29-N, R-10-W
San Juan County, NM

FULCHER KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 5936' GL 5948' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 838'

TOP OF KIRTLAND @ 988'

TOP OF FRUITLAND @ 1652'

TOP OF PICTURED CLIFFS @ 1948'

Perf & Foam Frac:
1943' - 1993' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2148'
Cmt to Surface

PBTD @ 2138'
TD @ 2148'

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-10
Revised February 21, 1997
Instructions on back
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 77200	*Pool Name Fulcher Kutz Pictured Cliffs
*Property Code 18482	*Property Name BRINK		*Well Number 2R *
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 5936'

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
F	19	28N	10W		1680	North	1490	West	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 164.30	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

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Peggy Bradford</i> Signature</p> <p>Peggy Bradford Printed Name</p> <p>Regulatory Administrator Title</p> <p>1-23-98 Date</p>	
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>JANUARY 7, 1998 Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p><i>Neale C. Edwards</i> NEALE C. EDWARDS NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 6857 Certificate Number</p>	

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PO Box 1980, Hobbs, NM 88241-1980

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Energy, Minerals & Natural Resources Department

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1000 Rio Brazos Rd., Aztec, NM 87410

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 77200	*Pool Name Fulcher Kutz Pictured Cliffs
*Property Code 6916	*Property Name CLEVELAND		*Well Number 1R
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6330'

¹⁰ Surface Location

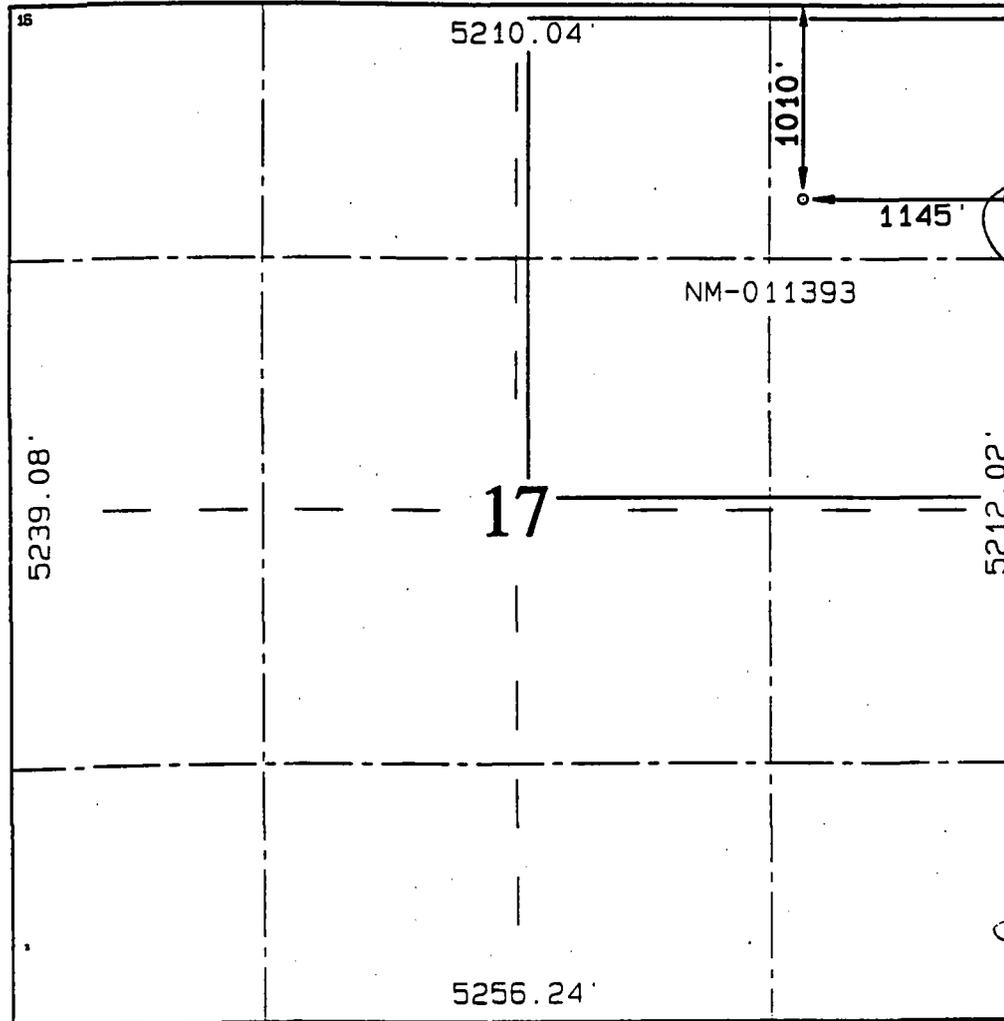
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	27N	9W		1010	North	1145	East	SAN JUAN

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 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Administrator
Title

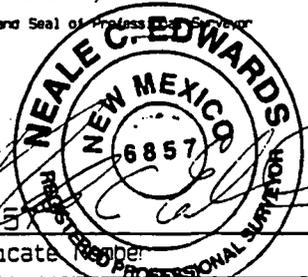
2/18/98
Date

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 14, 1998
Date of Survey

Signature and Seal of Professional Surveyor



6857
Certificate

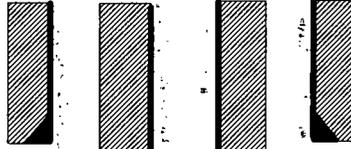
Cleveland #1R

Section 17A, T-27-N, R-9-W
San Juan County, NM

FULCHER-KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 6315' GL 6325' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 1310'

TOP OF KIRTLAND @ 1444'

TOP OF FRUITLAND @ 2005'

TOP OF PICTURED CLIFFS @ 2240'

Perf & Foam Frac
2240' - 2290' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2420'
Cmt to Surface

PBSD @ 2410'
TD @ 2420'

Cornell #3R

Section 11, T-29-N, R-12-W
San Juan County, NM

FULCHER KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 5829' GL 5841' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 618'

TOP OF KIRTLAND @ 756'

TOP OF FRUITLAND @ 1750'

TOP OF PICTURED CLIFFS @ 1982'

Perf & Foam Frac
1982' - 2032' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2182'
Cmt to Surface

PBTD @ 2172'
TD @ 2182'

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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Revised February 21, 1999

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

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

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

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 77200	*Pool Name Fulcher Kutz Pictured Cliffs	
*Property Code 6928	*Property Name CORNELL		*Well Number 3R	
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 5829	

¹⁰ Surface Location

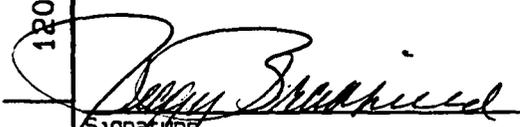
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	1	29N	12W		1450	South	1190	East	SAN JUAN

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 159.60	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 1321.98' 4 1313.40' 7 2627.46' 12 13	5237.76'			¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Peggy Bradfield Printed Name Regulatory Administrator Title 2/6/98 Date
	3 6 5 1345.74' 8			
	1 SF-065557A 1190' 2631.42' 9 1450' 15 16 5305.08'			
¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by or under my supervision and that the same is true and correct to the best of my belief. JANUARY 7, 1998 Date of Survey Signature and Seal of Professional Surveyor  Certified Number				

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

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PO Drawer DD, Artesia, NM 88211-0719

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1000 Rio Brazos Rd., Aztec, NM 87410

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State of New Mexico
Energy, Minerals & Natural Resources Department

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-045-		'Pool Code 77200		'Pool Name Eulcher Kutz Pictured Cliffs	
'Property Code 6928		'Property Name CORNELL			'Well Number 5R
'GRID No. 14538		'Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			'Elevation 5848'

¹⁰ Surface Location

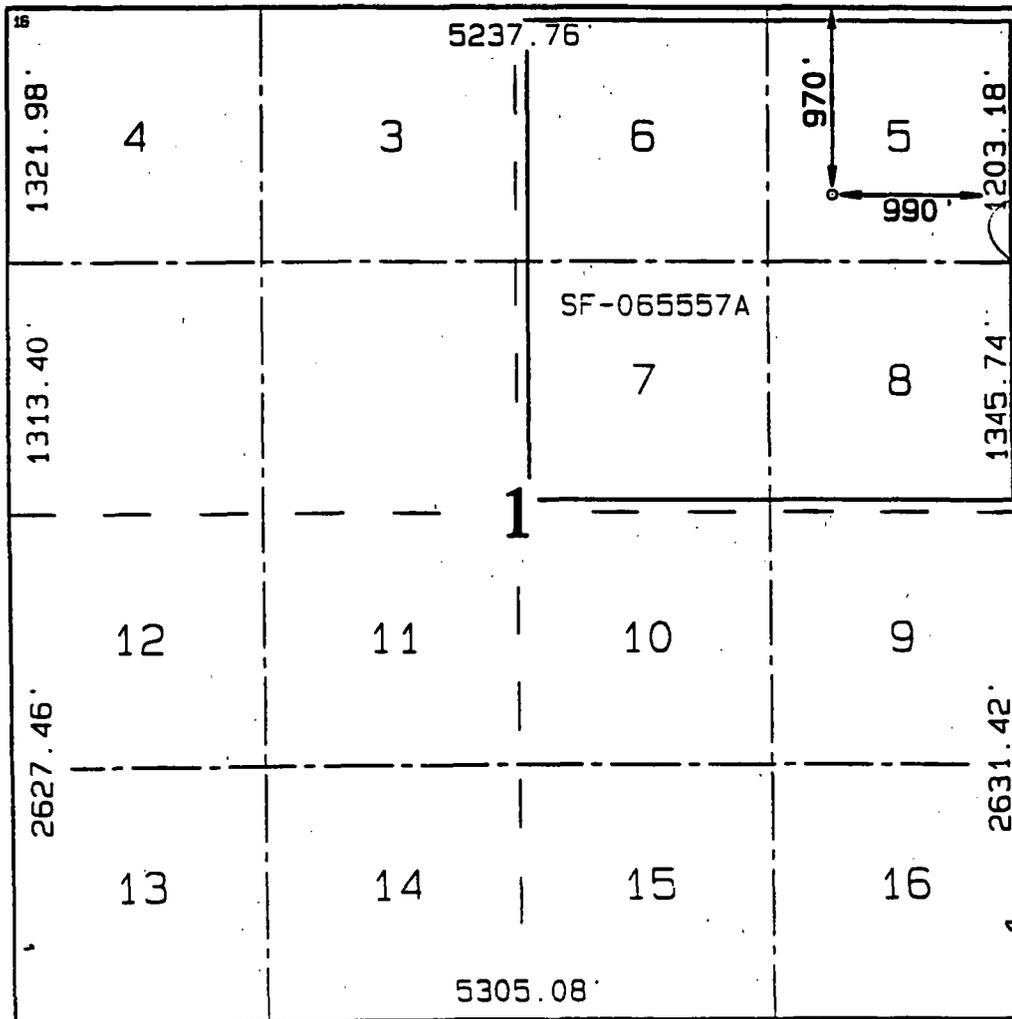
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	1	29N	12W		970	North	990	East	SAN JUAN

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 159.60	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Administrator
Title

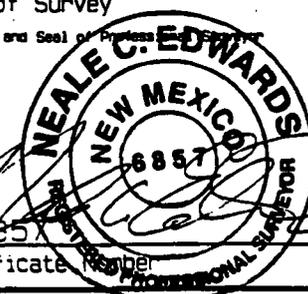
2/6/98
Date

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 7, 1998
Date of Survey

Signature and Seal of Professional Surveyor



6857
Certificate Number

Cornell #5R

Section 1A, T-29-N, R-12-W
San Juan County, NM

FULCHER KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 5848' GL 5860' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 630'

TOP OF KIRTLAND @ 805'

TOP OF FRUITLAND @ 1673'

TOP OF PICTURED CLIFFS @ 2028'

Perf & Foam Frac
2028' - 2078' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2228'
Cmt to Surface

PBSD @ 2218'
TD @ 2228'

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

District II
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Energy, Minerals & Natural Resources Department

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-		Pool Code 71280	Pool Name Aztec Pictured Cliffs
Property Code 7035	Property Name FULLER		Well Number 2R
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 5870'

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
A	22	30N	11W		850	North	1065	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 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

<p>16</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature Peggy Bradfield Printed Name Regulatory Administrator Title</p> <p>Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>JANUARY 16, 1996 Date of Survey</p> <p>Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 68570 Professional Surveyor</p> <p>Certificate Number</p>

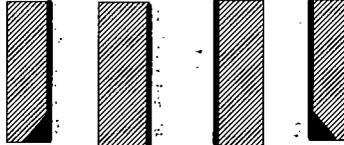
Fuller #2R

Section 22A, T-30-N, R-11-W
San Juan County, NM

AZTEC PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 5891' GL 5905' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 925'

TOP OF KIRTLAND @ 1032'

TOP OF FRUITLAND @ 2011'

TOP OF PICTURED CLIFFS @ 2310'

Perf & Foam Frac.
2310' - 2360' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2510'
Cmt to Surface

PBT D @ 2500'
TD @ 2510'

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

District II
PO Drawer 00, Artesia, NM 88211-0719

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1000 Rio Brazos Rd., Aztec, NM 87410

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-		Pool Code 77200	Pool Name Fulcher Kutz Pictured Cliffs
Property Code	Property Name GALT		Well Number 1R
OGRID 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 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 160	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

5299.80'	4	3	2	1	2640.00'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Peggy Bradfield Printed Name Regulatory Administrator Title 2/6/98 Date
	5280.00'	5	6	7		
5273.40'	SF-077384			830'	1165'	2640.00'

Galt #1R

Section 1P, T-27-N, R-10-W
San Juan County, NM

FULCHER KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 6415' GL 6427' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 1226'

TOP OF KIRTLAND @ 1285'

TOP OF FRUITLAND @ 1790'

TOP OF PICTURED CLIFFS @ 2367'

Perf & Foam Frac
2367' - 2417' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2567'
Cmt to Surface

PBTD @ 2557'
TD @ 2567'

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
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District II
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1000 Rio Brazos Rd., Aztec, NM 87410

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PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 77200	*Pool Name Fulcher Kutz Pictured Cliffs
*Property Code	*Property Name HANKS		*Well Number 5R
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6180'

¹⁰ Surface Location

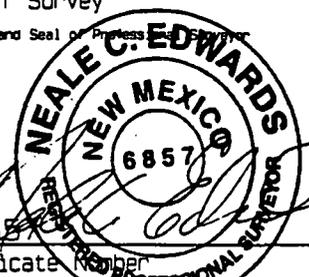
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	7	27N	9W		295	South	560	West	SAN JUAN

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 160	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 1341.12' 1308.78' 2617.56' 2584.56' 7 SF-077874 2637.36' 560' 295' 1327.92' 1304.16' 2608.32'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Peggy Bradfield Printed Name Regulatory Administrator Title Date 2/6/98
	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 9, 1998 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number

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

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 Santa Fe, NM 87504-2088
 070 FARMINGTON, NM.

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-	Pool Code 77200	Pool Name Fulcher Kutz Pictured Cliffs
Property Code 7133	Property Name Hubbell	Well Number 20
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6014'

¹⁰ Surface Location

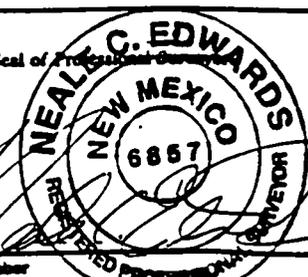
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	Casey
P	29	28-N	10-W		1065	South	1085	East	S.J.

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	Casey

¹² Dedicated Acres 1.60	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	5285.28'	29	5280.00'	5280.00'	1085'	1065'	5276.04'	028715 SF-065546B	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 Bradford</i> Peggy Bradford Printed Name Regulatory Administrator Title 1-15-97 Date	
	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. 12/23/96 Date of Survey									
	Signature and Seal of Professional Surveyor  6857 Certificate Number									

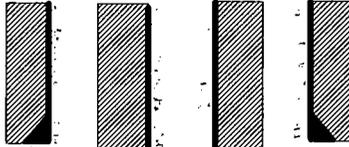
Hubbell #20

Section 29O, T-28-N, R-10-W
San Juan County, NM

FULCHER KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 6011' GL 6025' KB.



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 922'

TOP OF KIRTLAND @ 1080'

TOP OF FRUITLAND @ 1747'

TOP OF PICTURED CLIFFS @ 1992'

Perf & Foam Frac
1992' - 2042' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2192'
Cmt to Surface

PBTD @ 2182'
TD @ 2192'

District I
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Energy, Minerals & Natural Resources Department

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District IV
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 79680	*Pool Name West Kutz Pictured Cliffs
*Property Code 7139	*Property Name HUERFANO UNIT		*Well Number 24R
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6072'

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
M	29	27N	10W		820	South	815	West	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 160	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 	5279.34'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Peggy Bradfield Printed Name Regulatory Administrator Title 2-18-98 Date
	5280.00'	

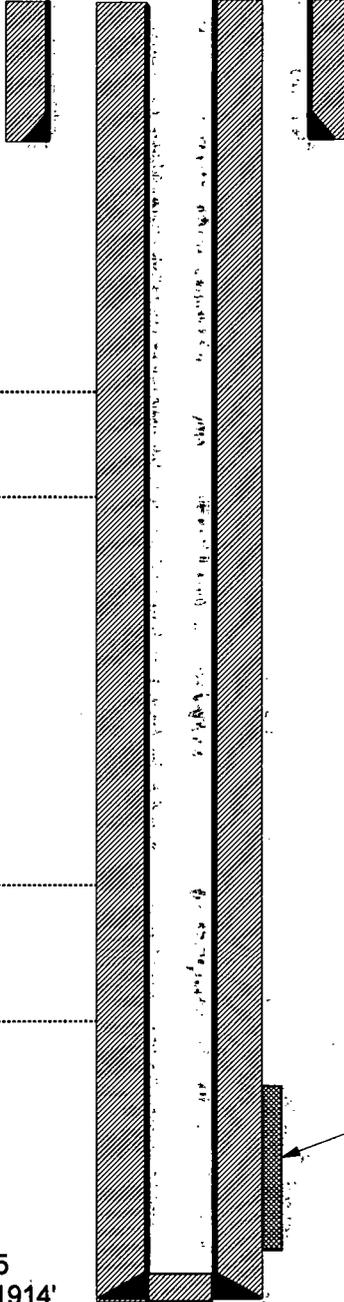
Huerfano Unit #24R

Section 29M, T-27-N, R-10-W
San Juan County, NM

WEST KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 6060' GL 6074' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 645'

TOP OF KIRTLAND @ 803'

TOP OF FRUITLAND @ 1443'

TOP OF PICTURED CLIFFS @ 1714'

Perf & Foam Frac
1714' - 1764' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 1914'
Cmt to Surface

PBTD @ 1904'
TD @ 1914'

Huerfanito #93R

Section 25C, T-27-N, R-9-W
San Juan County, NM

SOUTH BLANCO PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 6122' GL 6136' KB



8-5/8" 23# K-55
Casing
Set @ .120'
Cmt to surface

TOP OF OJO ALAMO @ 1226'

TOP OF KIRTLAND @ 1308'

TOP OF FRUITLAND @ 1810'

TOP OF PICTURED CLIFFS @ 2050'

Perf & Foam Frac
2050' - 2100' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2250'
Cmt to Surface

PBTD @ 2240'
TD @ 2250'

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AMENDED REPORT

District IV
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WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 77200	*Pool Name Fulcher Kutz Pictured Cliffs
*Property Code 7273	*Property Name LODEWICK		*Well Number 1R
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6195'

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
E	18	27N	9W		1640	North	1025	West	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 161.32	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

	¹⁷ OPERATOR CERTIFICATION	
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	 Signature Peggy Bradfield Printed Name Regulatory Administrator Title 2/9/98 Date	
	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 9, 1998 Date of Survey		
Signature and Seal of Professional Surveyor		
Certificate No. 6857		

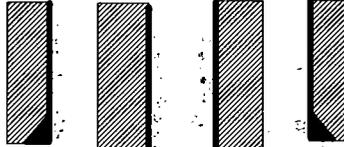
Lodewick #1R

Section 18E, T-27-N, R-9-W
San Juan County, NM

FULCHER KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 6195' GL 6207' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 1169'

TOP OF KIRTLAND @ 1317'

TOP OF FRUITLAND @ 1985'

TOP OF PICTURED CLIFFS @ 2105'

Perf & Foam Frac
2105' - 2155' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2305'
Cmt to Surface

PBTD @ 2295'
TD @ 2305'

District I
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-		Pool Code 77200	Pool Name Fulcher Kutz Picfured Cliffs
Property Code 7273	Property Name LODEWICK		Well Number 3R
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 6501'

¹⁰ Surface Location

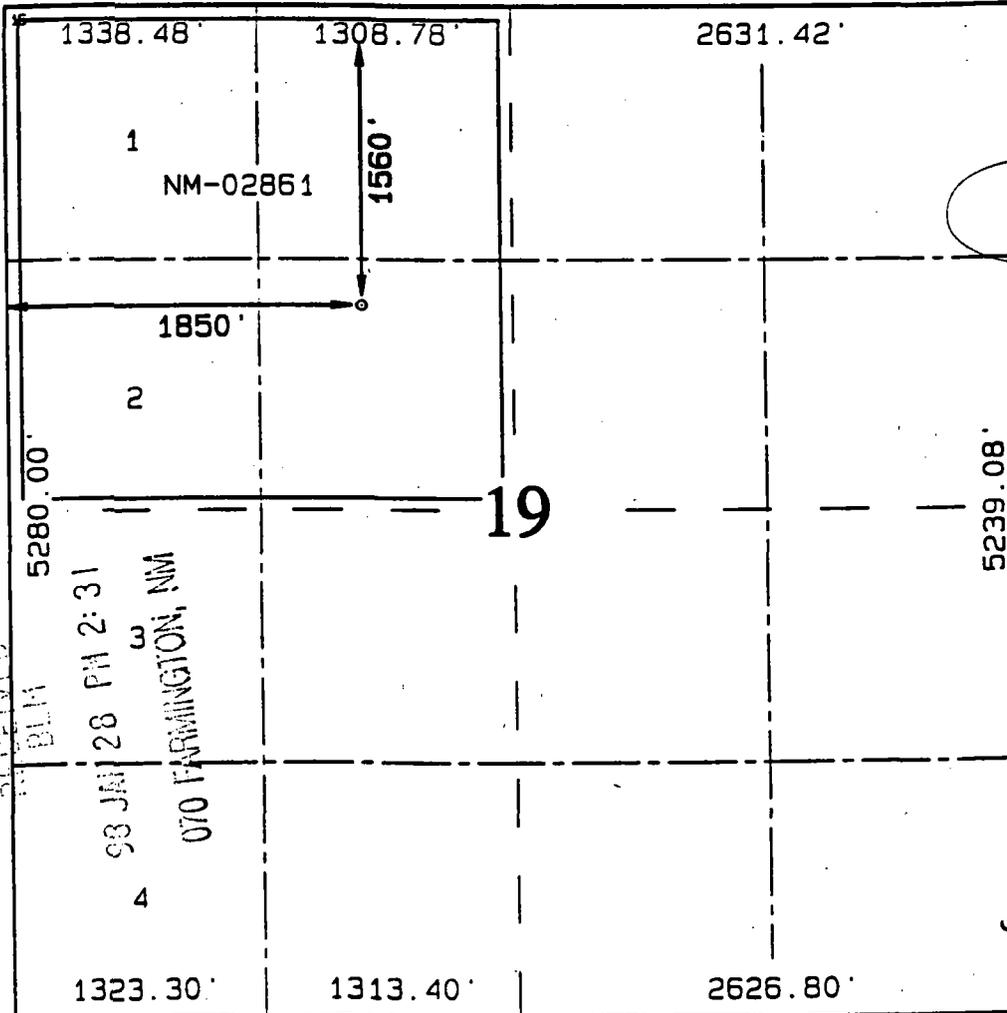
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	19	27N	9W		1560	North	1850	West	SAN JUAN

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

Dedicated Acres 160.68	Joint or Infill	Consolidation Code	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



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Administrator
Title

12/30/97
Date

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by or under my supervision and that the same is true and correct to the best of my belief.

NOVEMBER 7 1997
Date of Survey

NEAL E. EDWARDS
Signature and Title of Professional Surveyor



6857
Certificate Number

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DLH
93 JAN 28 PM 2:31
070 FARMINGTON, NM

Lodewick #3R

Section 19F, T-27-N, R-9-W
San Juan County, NM

FULCHER KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 6512' GL 6526' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 1449'

TOP OF KIRTLAND @ 1607'

TOP OF FRUITLAND @ 2115'

TOP OF PICTURED CLIFFS @ 2379'

Perf & Foam Frac
2379' - 2429' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2579'
Cmt to Surface

PBD @ 2569'
TD @ 2579'

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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Santa Fe, NM 87504-2088

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

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 71280	*Pool Name Aztec Pictured Cliffs
*Property Code 7336	*Property Name MURPHY B		*Well Number 1R
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 5965'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
K	25	30N	11W		1715	South	1470	West	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

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

¹² Dedicated Acres 158.47	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 2630.76' 4 5 2655.84' 12	5188.92'	3	2	1	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Peggy Bradfield Printed Name Regulatory Administrator Title 2/6/98 Date
	25	6	7	8	
SF-080869	11	10	9	5236.44'	
1470'	1715'	13	14	15	
	5217.96'				

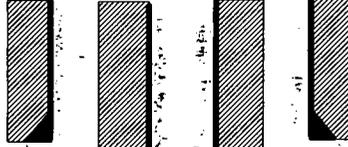
Murphy B #1R

Section 25K, T-30-N, R-11-W
San Juan County, NM

AZTEC PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED:

ELEVATION: 5965' GL 5977' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 1095'

TOP OF KIRTLAND @ 1165'

TOP OF FRUITLAND @ 2095'

TOP OF PICTURED CLIFFS @ 2367'

Perf & Foam Frac
2367' - 2417' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2567'
Cmt to Surface

PBTD @ 2557'
TD @ 2567'

District I
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State of New Mexico
Energy, Minerals & Natural Resources Department

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1000 Rio Brazos Rd., Aztec, NM 87410

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 77200	*Pool Name Fulcher Kutz Pictured Cliffs
*Property Code 18589	*Property Name NEWMAN A		*Well Number 7R
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 5932'

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
G	19	28N	10W		1745	North	1840	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 160	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 	1	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Peggy Bradfield Printed Name Regulatory Administrator Title 1-23-98 Date
	2	
	3	
	4	
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 7, 1998 Date of Survey Signature and Seal of Professional Surveyor 6857 Certificate Number		

Newman A #7R

Section 19G, T-28-N, R-10-W
San Juan County, NM

FULCHER KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 5919' GL 5933' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 820'

TOP OF KIRTLAND @ 985'

TOP OF FRUITLAND @ 1709'

TOP OF PICTURED CLIFFS @ 1939'

Perf & Foam Frac
1939' - 1989' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2200'
Cmt to Surface

PBTD @ 2190'
TD @ 2200'

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PO Drawer DD, Artesia, NM 88211-0719

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

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Energy, Minerals & Natural Resources Department

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name		
⁴ Property Code		⁵ Property Name QUITZAU			⁶ Well Number 8R	
⁷ OGRID No.		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			⁹ Elevation 7117'	

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
G	11	25N	8W		2100	NORTH	2255	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				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 5228.52'	5186.28' 2100' NM-04224	5253.60'	¹⁷ OPERATOR CERTIFICATION	
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.		Signature _____ Printed Name _____ Title _____ Date _____	
11 5266.80'			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 28, 1998 Date of Survey	
			Signature and Seal of Professional Surveyor 	
			Certificate Number _____ PROFESSIONAL SURVEYOR	

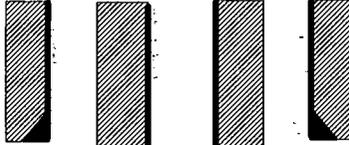
Quitau #8R

Section 11G, T-25-N, R-8-W
San Juan County, NM

BALLARD PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 7091' GL 7105' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 1997'

TOP OF KIRTLAND @ 2172'

TOP OF FRUITLAND @ 2634'

TOP OF PICTURED CLIFFS @ 2750'

Perf & Foam Frac
2750' - 2800' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2975'
Cmt to Surface

PBTD @ 2965'
TD @ 2975'

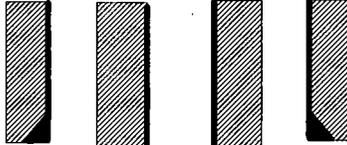
Schwerdtfeger #1R

Section 8M, T-27-N, R-11-W
San Juan County, NM

WEST KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 6125' GL 6139' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 742'

TOP OF KIRTLAND @ 849'

TOP OF FRUITLAND @ 1679'

TOP OF PICTURED CLIFFS @ 1869'

Perf & Foam Frac
1869' - 1919' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2100'
Cmt to Surface

PBTD @ 2090'
TD @ 2100'

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Santa Fe, NM 87504-2088

District IV
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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
N	12	28N	10W		850	South	1485	West	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 202.82	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

5285.28'

12

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature
Peggy Bradfield

Printed Name
Regulatory Administrator

Title

Date

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 Engineer

Certificate Number

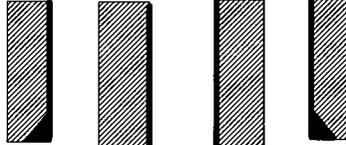
Zachry #1R

Section 12N, T-28-N, R-10-W
San Juan County, NM

AZTEC PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 5850' GL 5864' KB



8-5/8" 23# K-55
Casing
Set @ 120'
Cmt to surface

TOP OF OJO ALAMO @ 960'

TOP OF KIRTLAND @ 1100'

TOP OF FRUITLAND @ 1740'

TOP OF PICTURED CLIFFS @ 2071'

Perf & Foam Frac
2071' - 2121' w/
150,000# 20/40
sand

3-1/2" 9.2# J-55
Casing Set @ 2270'
Cmt to Surface

PBTD @ 2260'
TD @ 2270'