



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

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

September 11, 1997

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

Administrative Order TX-274

Dear Ms. Bradfield:

Reference is made to your request for an exception to the tubing setting requirements as contained in Division Rule 107 (d) (3) 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, Number and Location:

San Juan 29-7 Unit Well No. 154, API No. 30-039-25717, Unit A, Section 5, Township 29 North, Range 7 West, NMPM, Rio Arriba County, New Mexico.

San Juan 29-7 Unit Well No. 155, API No. 30-039-25710, Unit A, Section 9, Township 29 North, Range 7 West, NMPM, Rio Arriba County, New Mexico.

San Juan 29-7 Unit Well No. 156, API No. 30-039-25698, Unit O, Section 10, Township 29 North, Range 7 West, NMPM, Rio Arriba County, New Mexico.

San Juan 29-7 Unit Well No. 157, API No. 30-039-25709, Unit O, Section 4, Township 29 North, Range 7 West, NMPM, Rio Arriba County, New Mexico.

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

Sincerely,

William J. LeMay  
Director

WJL/RJ/kv

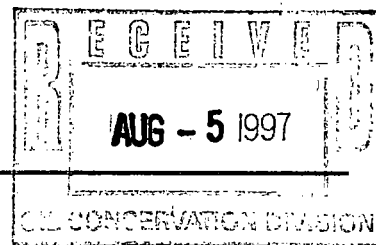
cc: Oil Conservation Division - Aztec

PV2V2005730805

# BURLINGTON RESOURCES

4 wells

SAN JUAN DIVISION



August 4, 1997

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

Att: Mr. Roy Johnson

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.

O.L.

San Juan 29-7 Unit #157	Ø	SE Section 4, T-29-N, R-7-W	30-039-25709
San Juan 29-7 Unit #156	Ø	SE Section 10, T-29-N, R-7-W	30-039-25698
San Juan 29-7 Unit #155	A	NE Section 9, T-29-N, R-7-W	30-039-25710
San Juan 29-7 Unit #154	A	NE Section 5, T-29-N, R-7-W	30-039-not yet assigned

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.

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 pertinent data sheet and wellbore schematic for each well. Please let me know if you require any additional information for these wells.

Sincerely,

BURLINGTON RESOURCES

  
Peggy Bradfield  
Regulatory/Compliance Administrator

xc: NMOCD Aztec District Office

**San Juan 29-7 Unit #154**  
**Pertinent Data Sheet**

**Location:** 1130' FNL & 1190' FEL, Unit A, Section 5, T29N, R7W, Rio Arriba County, New Mexico

**Latitude:** 36°45.6'      **Longitude:** 107°35.4'

**Field:** Blanco PC      **Elevation:** 6157' GL  
6171' KB      **TD:** 3259'  
**PBTD:** 3255'

**Spud Date:** Pending      **Compl Date:** Pending      **DP #:** 61989A  
**Lease:** SF - 078951  
**GWl:** 100%  
**NRI:** 81.5%  
**Prop#:** 007986529

**Initial Potential:** Completion Pending

**Casing Record:**

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
12-1/4"	8-5/8"	23# M-50	200'	215 sx.	Circ Cmt
6-1/4"	3-1/2"	7.7# WC-70	3259'	490 sx.	Circ Cmt

**Cement Record:**

- 8-5/8" 23# M-50 cemented with 215 sx Class "B", 3% CaCL, 1/4 pps Cello plug.
- 3 1/2 7.7# WC-70 cemented with 390 sx. Class "B" w/ 3% econolite, 10% Gilsonite, 1/2# flocele/sx. tail w/ 100 sx Class "B" 50/50 poz w/ 2% CaCL.

**Formation Tops:**

Ojo Alamo:	1902'
Kirtland Shale:	2109'
Fruitland:	2591'
Pictured Cliffs:	2959'

**Logging Record:** Open hole wireline logs - SFL,LDT,APS

**Pipeline:** EPNG

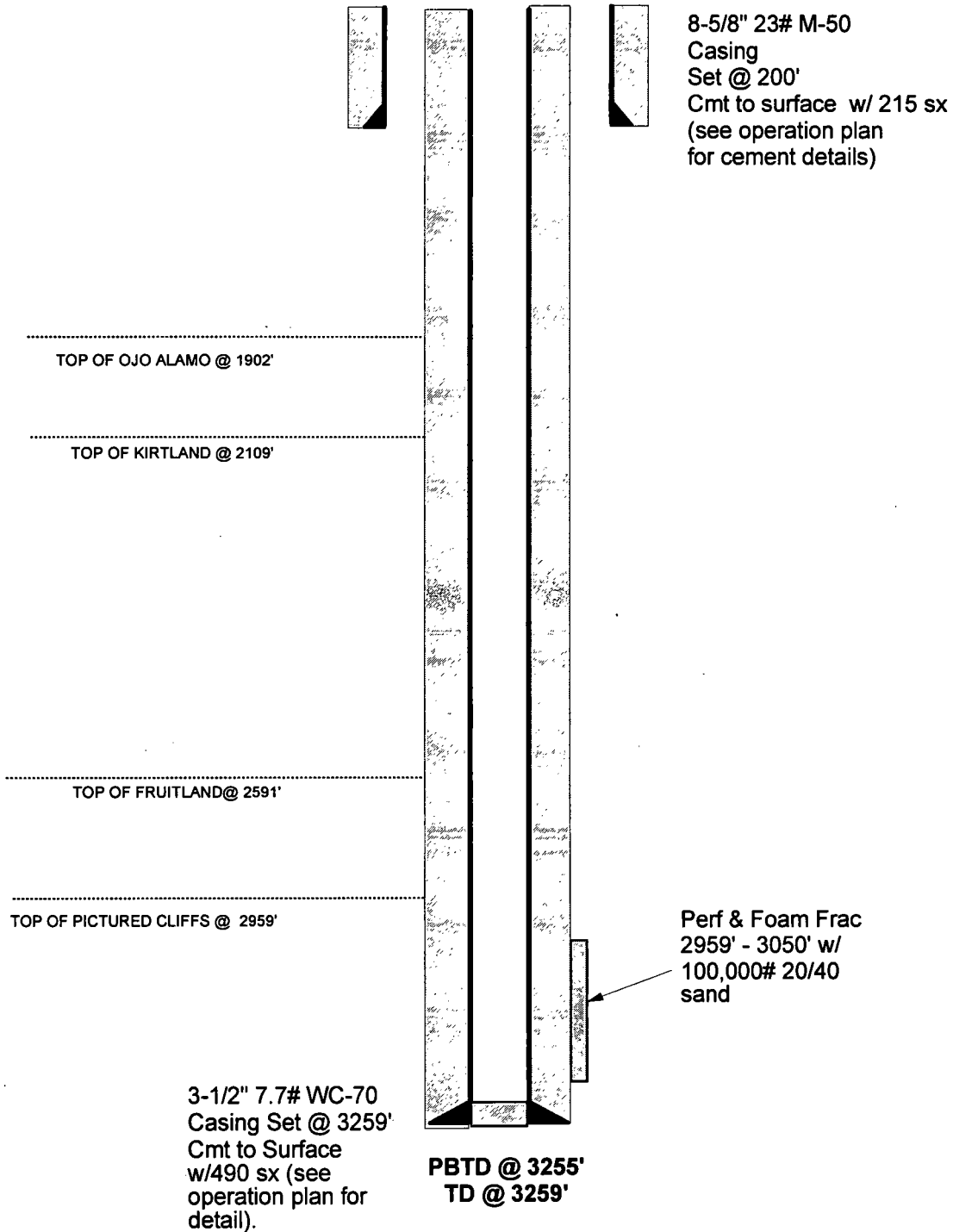
# San Juan 29-7 Unit #154

Section 5A, T-29-N, R-7-W  
Rio Arriba County, NM

## BLANCO PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 6157' GL 6171' KB



**San Juan 29-7 Unit #155**  
**Pertinent Data Sheet**

**Location:** 1085' FNL & 1040' FEL, Unit A, Section 9, T29N, R7W, Rio Arriba County, New Mexico

**Latitude:** 36°44.7'      **Longitude:** 107°34.2'

**Field:** Blanco PC      **Elevation:** 6160' GL  
6174' KB      **TD:** 3287'  
**PBTD:** 3283'

**Spud Date:** Pending      **Compl Date:** Pending      **DP #:** 61990A  
**Lease:** SF - 078423  
**GWl:** 90.625%  
**NRI:** 76.245%  
**Prop#:** 007986530

**Initial Potential:** Completion Pending

**Casing Record:**

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
12-1/4"	8-5/8"	23# M-50	200'	215 sx.	Circ Cmt
6-1/4"	3-1/2"	7.7# WC-70	3287'	494 sx.	Circ Cmt

**Cement Record:**

- 8-5/8" 23# M-50 cemented with 215 sx Class "B", 3% CaCL, 1/4 pps Cello plug.
- 3-1/2" 7.7# WC-70 cemented with 394 sx. Class "B" w/ 10#/sx gilsonite, 3% econolite and 1/2 # flocele /sx. Tail w/100 sx 50/50 Class "B" 50/50 poz w/ 2% CaCL.

**Formation Tops:**

Ojo Alamo:	1930'
Kirtland Shale:	2137'
Fruitland:	2619'
Pictured Cliffs:	2987'

**Logging Record:** Open hole wireline logs - SFL,LDT,APS

**Pipeline:** EPNG

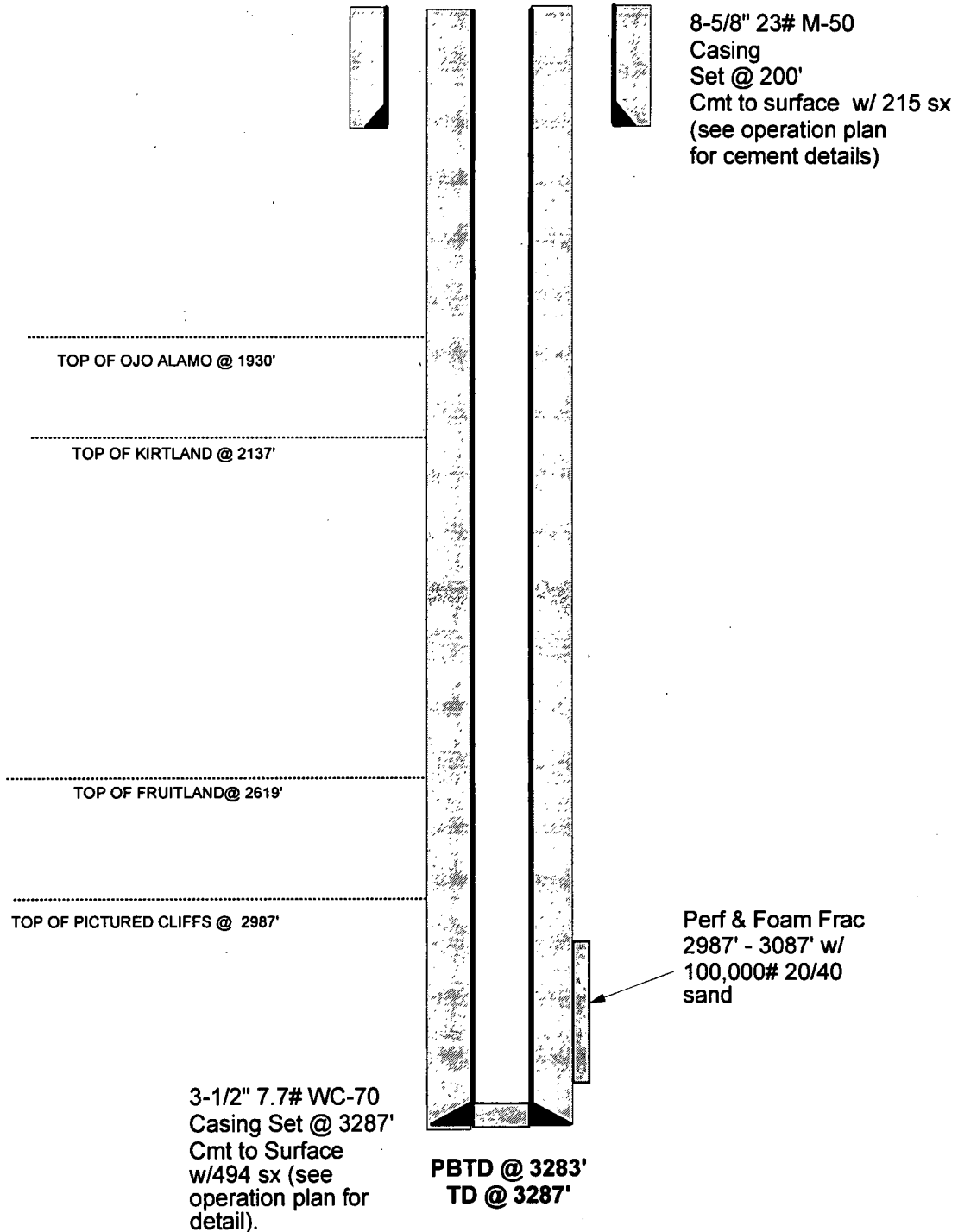
# San Juan 29-7 Unit #155

Section 9A, T-29-N, R-7-W  
Rio Arriba County, NM

## BLANCO PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 6160' GL 6174' KB



**San Juan 29-7 Unit #156**  
**Pertinent Data Sheet**

**Location:** 805' FSL & 1560' FEL, Unit O, Section 10, T29N, R7W, Rio Arriba County, New Mexico

**Latitude:** 36°44.1'      **Longitude:** 107°33.2'

**Field:** Blanco PC      **Elevation:** 6259' GL  
6273' KB      **TD:** 3386'  
**PBTD:** 3382'

**Spud Date:** Pending      **Compl Date:** Pending      **DP #:** 61991A  
**Lease:** SF - 078399  
**GWl:** 100%  
**NRI:** 87%  
**Prop#:** 007986531

**Initial Potential:** Completion Pending

**Casing Record:**

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
12-1/4"	8-5/8"	23# WC-50	200'	182 sx.	Circ Cmt
6-1/4"	3-1/2"	7.7# WC-70	3386'	637 sx.	Circ Cmt

**Cement Record:**

- 8-5/8" 23# M-50 cemented with 182 sx Class "B", 3% CaCL, 1/4 pps Cello plug.
- 3-1/2" 7.7# WC-70 cemented with 537 sx. Class "B" w/ 10#/sx gilsonite, 3% econolite and 1/2 # flocele /sx. Tail w/100 sx 50/50 Class "B" 50/50 poz w/ 2% CaCL.

**Formation Tops:**

Ojo Alamo:	2029'
Kirtland Shale:	2236'
Fruitland:	2718'
Pictured Cliffs:	3086'

**Logging Record:** Open hole wireline logs - SFL,LDT,APS

**Pipeline:** EPNG

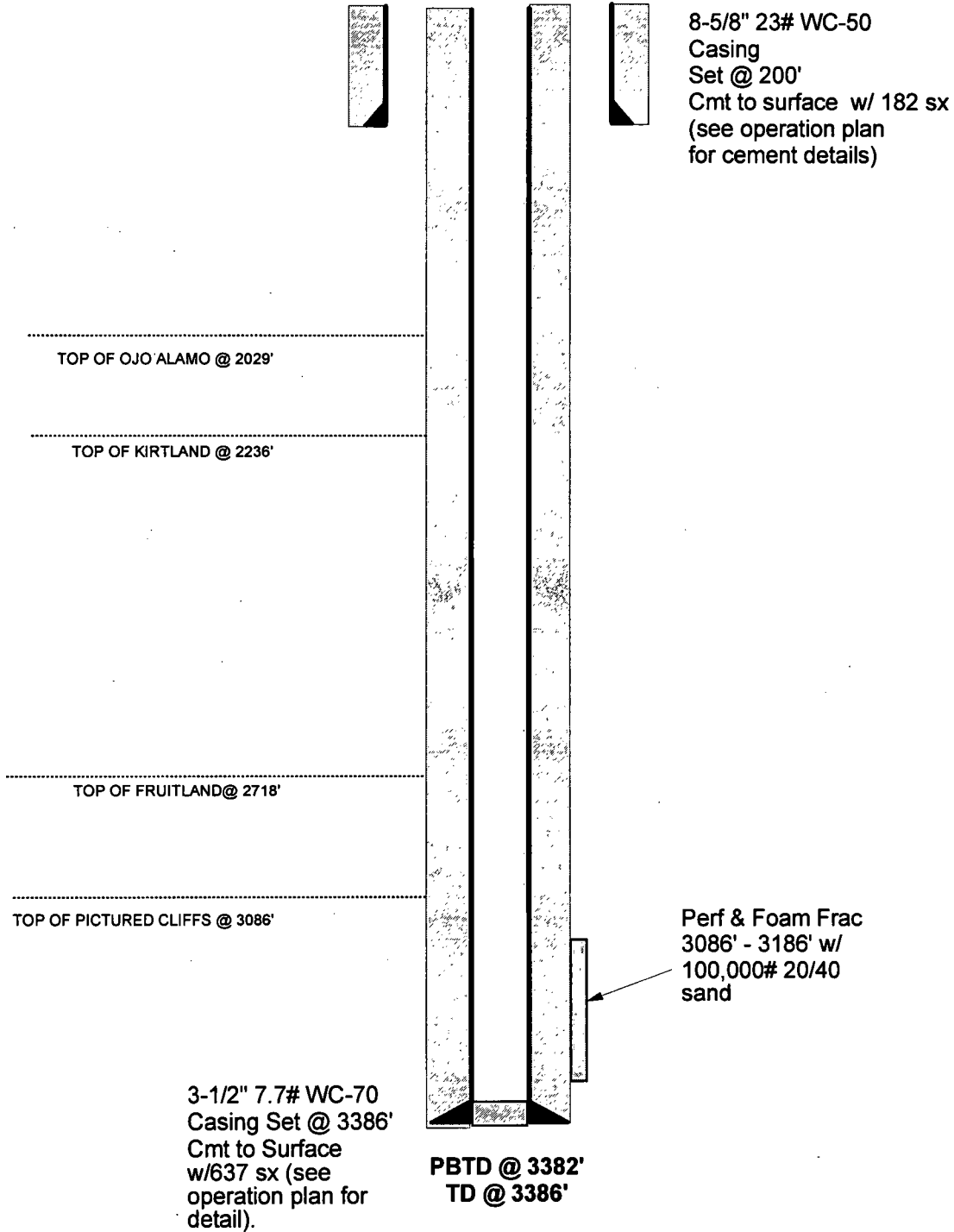
# San Juan 29-7 Unit #156

Section 10 O, T-29-N, R-7-W  
Rio Arriba County, NM

## BLANCO PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 6259' GL 6273' KB





**San Juan 29-7 Unit #157**  
**Pertinent Data Sheet**

**Location:** 825' FSL & 1560' FEL, Unit O, Section 4, T29N, R7W, Rio Arriba County, New Mexico

**Latitude:** 36°45.0'      **Longitude:** 107°34.3'

**Field:** Blanco PC      **Elevation:** 6204' GL  
6218' KB      **TD:** 3336'  
**PBTD:** 3332'

**Spud Date:** Pending      **Compl Date:** Pending      **DP #:** 61992A  
**Lease:** SF - 078919  
**GWl:** 50.41%  
**NRI:** 42.68%  
**Prop#:** 007986532

**Initial Potential:** Completion Pending

**Casing Record:**

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
12-1/4"	8-5/8"	23# WC-50	200'	215 sx.	Circ Cmt
6-1/4"	3-1/2"	7.7# WC-70	3336'	501 sx.	Circ Cmt

**Cement Record:**

- 8-5/8" 23# M-50 cemented with 215 sx Class "B", 3% CaCL, 1/4 pps Cello plug.
- 3-1/2" 7.7# WC-70 cemented with 501 sx. Class "B" w/ 10#/sx gilsonite, 3% econolite and 1/2 # flocele /sx. Tail w/100 sx 50/50 Class "B" 50/50 poz w/ 2% CaCL.

**Formation Tops:**

Ojo Alamo:	1979'
Kirtland Shale:	2186'
Fruitland:	2668'
Pictured Cliffs:	3036'

**Logging Record:** Open hole wireline logs - SFL,LDT,APS, FMI

**Pipeline:** EPNG

# San Juan 29-7 Unit #157

Section 4 O, T-29-N, R-7-W  
Rio Arriba County, NM

## BLANCO PICTURED CLIFFS WELLBORE SCHEMATIC

PROPOSED

ELEVATION: 6204' GL 6218' KB

