

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

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

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

990' FNL, 1650' FEL, Sec. 4, T-29-N, R-7-W, NMPM

5. Lease Number

SF-078915 078945

6. Indian, All. or  
Tribe Name

7. Unit Agreement Name  
San Juan 29-7 Unit

8. Well Name & Number

San Juan 29-7 Unit #82

9. API Well No.

30-039-07671

10. Field and Pool

Blanco Mesaverde

11. County and State

Rio Arriba Co., NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☒ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to recomplete the Pictured Cliffs formation in the subject well according to the attached procedure and wellbore diagram.

RECEIVED  
JUN 15 1998

OIL CON. DIV.  
DIST. 3

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

Signed John S. Stauder (BLG) Title Regulatory Administrator Date 5/21/98

VKH

(This space for Federal or State Office use)

APPROVED BY John S. Stauder Title Reg. Admin. Date JUN 18 1998

CONDITION OF APPROVAL, if any:

NMOC

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-1  
Revised February 21, 1998

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

Instructions on back  
Submit to Appropriate District Office:  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

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

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

98 JUN -8 PM 4:11

☐ AMENDED REPOF

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number <b>30-039-07671</b>	'Pool Code <b>72319/77200</b>	'Well Name <b>Blanco Mesaverde/Fulcher Kutz Pict Cliff</b>
'Property Code <b>7465</b>	'Property Name <b>SAN JUAN 29-7 UNIT</b>	'Well Number <b>82</b>
'OGRID No. <b>14538</b>	'Operator Name <b>BURLINGTON RESOURCES OIL &amp; GAS COMPANY</b>	'Elevation <b>6188'</b>

<sup>10</sup> Surface Location

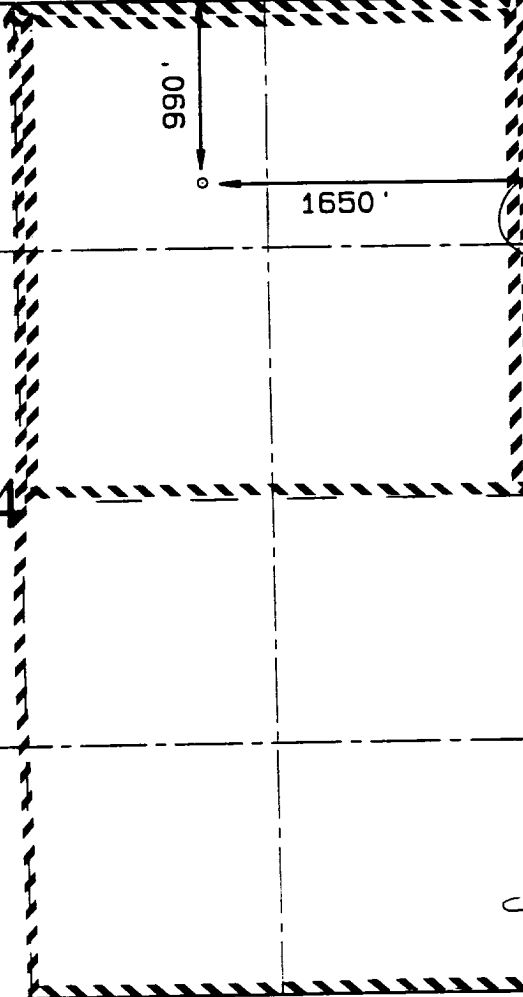
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	4	29N	7W		990	NORTH	1650	EAST	RIO ARriba

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres <b>160/317.38</b> <b>E/317.38</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. <b>160 acres for density purposes for the PC</b> <b>317.38 acres for revenue purposes for the P</b>
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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>NOT RESURVEYED, PREPARED FROM A PLAT BY ERNEST V. ECHOHAWK DATED 5-1-53.</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><i>Peggy Bradfield</i> Signature</p> <p><b>Peggy Bradfield</b> Printed Name</p> <p><b>Regulatory Administrator</b> Title</p> <p><b>6-8-98</b> 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><b>JUNE 3, 1998</b> Date of Survey</p> <p><i>Neale C. Edwards</i> Signature and Seal of Professional Surveyor</p> <p><b>NEALE C. EDWARDS</b> NEW MEXICO 6857 REGISTERED PROFESSIONAL SURVEYOR</p> <p><b>6857</b> Certificate Number</p>

**San Juan 29-7 Unit #82**  
Burlington Resources Oil & Gas  
Pictured Cliffs Recompletion  
Unit B, Sec 4, T29N - R07W  
Lat: 36° 45.54'  
Long: 107° 34.36'

- 
- Comply with all BLM, NMOCD, & BR rules & regulations.
  - **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
  - Spot and fill 2 frac tanks with 4% KCl water
  - (1) 7" RBP required for 7" 20# J-55 casing
  - (1) 7" Model 'EA' Retreivamatic Packer
  - (1) 7" Model R-3 Production Packer
  - 3500' 3-1/2" 9.3# N-80 Frac string
- 

*The well is completed in the Blanco Mesaverde (Point Lookout, Menefee, and Cliffhouse) and is currently producing 180 MCFD. Cumulative production is 2702 MMCF with remaining reserves of 1021 MMCF. The existing 4-1/2" csg will be cut below the PC and recovered. The Pictured Cliffs will be recompleted in this well and treated with a 70 Quality foam and 20# Linear gel fracture stimulation. The well is to be completed as a dual with a production packer set in the 7" casing and the Pictured Cliffs producing up the annulus.*

**NOTE:** Point Lookout perfs open 5235' - 5633'  
Cliffhouse/Menefee perfs open 4801' - 5132'

1. MIRU. Record and report SI pressures on tubing, casing, and bradenhead. Blow down casing and tubing. Kill well w/ 2% KCl. ND WH, NU BOP.
2. TOOH with 2-3/8" 4.7# J-55 tubing from 5629' (188 joints) and standback. Visually inspect tubing, note any scale. Replace any bad tubing.
3. RU wireline unit. Run CBL-CCL from 4800' to 3500', estimated TOC is 3850' in the 4-1/2" by TS. POOH. Run in hole with chemical cutter, cut 4-1/2" 10.5# K55 csg 80' above TOC. POOH. TOOH with 4-1/2" csg. TIH with 5-1/2" swedge tool on 2-3/8" tubing. Swedge down 4-1/2" csg.
3. RU wireline unit. Run gauge ring to 3200'. Wireline set 7" RBP at 3190' to isolate the open Mesaverde perfs. POOH. Dump 2 sxs of sand on top of the RBP. TIH with 7" pkr, set at 3170', pressure test to 3000 psi.
4. Close pipe rams and pressure test 7" casing down annulus to 1000 psi for 10 minutes. TOOH. If casing fails hunt hole(s) while tripping out of hole. Engineering (B. Goodwin at 326-9713) will provide squeeze design if required.
5. With hole loaded and 1000 psi, run CBL from 3200' to surface. Send logs into B. Goodwin for evaluation. RD wireline unit.

6. RU wireline under packoff. Perforate at the following depths with select fire HSC gun using Owen 3125-302T 10g charges (0.32" hole, 16.64" penetration), 2 SPF @ 120 degree phasing.  
  
**3055', 3060', 3065', 3070', 3075', 3080', 3085', 3090', 3095', 3100', 3105', 3110', 3115', 3120', 3125' (30 total holes, 70' gross interval)**
7. TIH with 7" pkr on 3-1/2" 9.3# N-80 frac string set at 2900'.
8. RU stimulation company. Test surface lines to 4350 psi. **Max surface pressure = 3250 psi at 5 BPM. Max static pressure = 3000 psi.** Break down with 1000 gallons 15% HCl and 60 RCN 7/8" 1.3 s.g. ball sealers. Release pressure, RD stimulation company. Lower pkr to knock off perf balls. Reset pkr at 2900'.
9. RU flowback equipment so that flowback can commence within 30 min after shutdown.
10. RU stimulation company. Test surface lines to 8000 psi. **Max surface pressure = 7000 psi.** Stimulate w/135,000# 20/40 Arizona sand 70 Quality foam with 20# Linear Gel at 50 BPM. Frac will be tagged with 3 RA tracers. See attached frac schedule for details. (2 frac tank needed)
11. Shut well in after frac and record ISIP. RD stimulation company. Begin flowback on choke manifold within 30 min of shutdown. Open well to pit, starting with an 8/64" choke. If minimal sand is being produced, change to a larger choke size. If choke plugs off, change chokes and clean obstruction. Continue increasing choke size and cleaning well up until fluid returns are minimal. Take pitot gauges when possible. TOOH.
12. RD flowback equipment. TOOH.
14. TIH w/retrieving head on 2-3/8" tubing and clean out to RBP at 3200'. Pull above perms and obtain a one hour stabilized pitot gauge on the Pictured Cliffs. Retrieve RBP, TOOH.
15. TIH with 2-3/8" tbg and clean out to PBSD. TOOH. An acid wash may be needed based on the condition of the tubing, contact B. Goodwin to discuss this procedure.
16. Hydrotest and run production tubing string as follows: expendable check, one joint 2-3/8" tubing, 1.78" seating nipple, and approx 81 jts tubing to Model R packer at 3190'. Run remaining 107 jts 2-3/8" tubing to surface. Land tubing @ 5629' with Model R packer at 3190'.
17. ND BOP's, NU single tubing hanger wellhead. Pump off expendable check. Obtain final pitot up tubing, and a final gauge up the casing. If well will not flow on it's own, make swab run to seating nipple. If swab run is not necessary, run a broach on slickline to ensure that the tubing is clear. RD and MOL. Return well to production. **The Pictured Cliffs will be produced up the casing annulus.**

San Juan 29-7 Unit #82  
Burlington Resources Oil & Gas  
05/20/98

Recommended:

  
Production Engineer 5-20-98

Approved:

\_\_\_\_\_  
Basin Opportunities Team Leader

Approved:

\_\_\_\_\_  
Drilling Superintendent

Vendors:

Wireline	Schlumberger	325-5006
Stimulation	Dowell	325-5096
RA Tagging	Pro-Technics	326-7133

Production Engineer: **Bobby Goodwin**  
**326-9713-work**  
**564-7096-pager**  
**599-0992-home**

## PERTINENT DATA SHEET

5/12/98

<b>WELLNAME:</b> San Juan 29-7 Unit # 82					<b>DP NUMBER:</b> 69685 <b>PROP. NUMBER:</b>																																												
<b>WELL TYPE:</b> Blanco Mesaverde					<b>ELEVATION:</b> DF 6198' GL 6188'																																												
<b>LOCATION:</b> 990' FNL, 1650' FEL Unit B, Sec. 4, T29N, R07W Rio Arriba County, NM					<b>INITIAL POTENTIAL:</b> 4,933 MCFD  <b>INITIAL SITP:</b> 903 psi																																												
<b>OWNERSHIP:</b> <b>GW:</b> MV 62.5190% PC 50.4130% <b>NRI:</b> 52.8040% 41.5900% <b>SJBT:</b> 0.0000% 0.0000%					<b>DRILLING:</b> <b>SPUD DATE:</b> QH 7/1/53 SI 6/30/78 <b>COMPLETED:</b> 7/23/53 7/17/78 <b>TOTAL DEPTH:</b> 5342' 5703' <b>PBTD:</b> 5342' 5686'																																												
<b>CASING RECORD:</b> <table border="1"> <thead> <tr> <th>HOLE SIZE</th> <th>SIZE</th> <th>WEIGHT</th> <th>GRADE</th> <th>DEPTH</th> <th>EQUIP.</th> <th>CEMENT</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>12-1/4"</td> <td>9-5/8"</td> <td>25.4#</td> <td>Armco SW</td> <td>173'</td> <td>Casing</td> <td>125 sxs</td> <td>Circ to Surface</td> </tr> <tr> <td>8-3/4"</td> <td>7"</td> <td>23/20#</td> <td>J55</td> <td>4737'</td> <td>Casing</td> <td>154 sxs</td> <td>1500' (calc)</td> </tr> <tr> <td>6-1/4"</td> <td>4-1/2"</td> <td>10.5#</td> <td>K55</td> <td>5703'</td> <td>Casing</td> <td>246 ft^3</td> <td>3850' (TS)</td> </tr> <tr> <td></td> <td>2-3/8"</td> <td>4.7#</td> <td>J55</td> <td>5629'</td> <td>Tubing SN @ 5597'</td> <td></td> <td></td> </tr> </tbody> </table>										HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC	12-1/4"	9-5/8"	25.4#	Armco SW	173'	Casing	125 sxs	Circ to Surface	8-3/4"	7"	23/20#	J55	4737'	Casing	154 sxs	1500' (calc)	6-1/4"	4-1/2"	10.5#	K55	5703'	Casing	246 ft^3	3850' (TS)		2-3/8"	4.7#	J55	5629'	Tubing SN @ 5597'		
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<b>LOGGING:</b> GR/Electric/Induction/Temperature Survey																																																	
<b>PERFORATIONS</b> CH/MN 4801' - 5132' (19 holes) PL 5235' - 5633' (22 holes)																																																	
<b>STIMULATION:</b> CH/MN Frac w/ 118K gal. water, 60K # sand PL Frac w/ 117.6K gal. water, 65K # sand																																																	
<b>WORKOVER HISTORY:</b> 6/1/78 Sidetrack original open hole completion, cut off stuck 2-3/8" tbg at 4830'. Cmt rtrn at 4637', squeeze 150 sxs, Squeeze holes at 1950', sqz 125 sxs to cover Ojo Alamo. sidetrack at 4755', 4-1/2" casing to surface. TOC 3850' by Temp Survey, perf and frac CH/MN and PL																																																	
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# San Juan 29-7 Unit #82

Blanco Mesaverde  
Unit B, Section 4, T29N, R7W  
Rio Arriba County, NM  
Elevation: 6188' GR  
LAT: 36 45.54' / LONG: 107 34.36'  
date spud: 07/01/53  
date sidetracked: 06/30/78

