

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

800' FNL, 1500' FWL, Sec. 34, T-28-N, R-9-W, NMPM

DHC-1611

5. Lease Number
SF-077111

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Storey C #12

9. API Well No.
30-045-13066

10. Field and Pool
Basin Fruitland Coal/
So. Blanco Pict. Cliffs

11. County and State
San Juan Co, NM

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

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☒ Recompletion

☐ New Construction

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Final Abandonment

☐ Altering Casing

☐ Conversion to Injection

☒ Other - Commingle

13. Describe Proposed or Completed Operations

It is intended to recomplate the subject well in the Fruitland Coal formation according to the attached procedure and wellbore diagram. The Pictured Cliffs formation will also be restimulated. The well will then be down-hole commingled under DHC-1611.

RECEIVED
OCT 1 1997
OIL & GAS
DIVISION

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

Signed Nancy Ulmanns (for JD3) Title Regulatory Administrator Date 9/24/97

(This space for Federal or State Office use)

APPROVED BY /s/ Duane W. Spencer

Title _____

Date OCT - 1 1997

CONDITION OF APPROVAL, if any:

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, 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-1
Revised February 21, 1997
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-13066	Pool Code 71622/72439	Pool Name Basin Fruitland Coal/So. Blanco Pict. Cliffs
Property Code 7552	Property Name Storey C	Well Number 12
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6212'

10 Surface Location

UL or lot no. C	Section 34	Township 28-N	Range 9-W	Lot Idn	Feet from the 800	North/South line North	Feet from the 1500	East/West line West	County S.J.
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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
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12 Dedicated Acres PC-160 ETC-N/320	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

	Not resurveyed, prepared from a plat by David O. Vilven dated 1-31-61.	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Nancy Oltmanns for Signature Perry Bradfield Printed Name Regulatory Administrator Title 9-25-97 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. 6/16/97 Date of Survey Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 6857 RECEIVED OCT 3 1997 OIL CON. DIV. FMT. 8 Certificate Number

Storey C #12
Burlington Resources Oil & Gas
Pictured Cliffs/Fruitland Coal Workover
Unit C-Sec34-T28N-R09W
Lat: 36° 37.41'
Long: 107° 46.75'

-
- Comply with all BLM, NMOCD, & BR rules & regulations.
 - **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
 - Have all personnel on location a minimum of 100' from wellhead during perforating.
 - ~2500' of 1-1/4" IJ Class B tubing will be required.
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The Storey C #12 is currently completed in the Pictured Cliffs. Cumulative production is 1,162 MMCF from the Pictured Cliffs. The Pictured Cliffs will be restimulated with 85,000# sand in a 70Q nitrogen foam. The Fruitland Coal will be completed using extreme overbalanced perforating and commingled with the Pictured Cliffs.

NOTE: Pictured Cliffs perfs open 2350-54', 2362-66', 2378-82', 2390-94'

RIGLESS PROCEDURE

1. Hold safety meeting. Blow down casing. Kill well w/ 2% KCl. ND WH, NU 5000# full opening frac valve. NU 5000# wireline packoff with kill valve. NU frac and flowback manifold to kill valve. Lay immediate flowback line to pit.
2. Dump 4-1/2 sx sand from surface (top of plug ~2342'). Under packoff, run gauge ring and tag top of plug (dump additional sand as needed, top PC perf at 2350').
3. RU acid-pump truck. Load hole with 2% KCl. Pressure test casing to 5000 psi for 15 minutes. Contact engineering if casing does not hold.
4. MIRU swabbing unit. PU and RIH with 2-3/8" sand bailer. CO to PBTD. RD swabbing unit.
5. RU wireline truck with full lubricator. Run Gamma Ray/CCL log from PBTD to ~1900'.

Pictured Cliffs Restimulation:

6. RU stimulation company. Pressure test surface lines to 6000 psi. Breakdown perforations @ 3-5 BPM with 500 gals 15% acid. Drop 90 7/8" 1.1 SG balls evenly spaced throughout acid. Displace acid with 1% KCl water to bottom perforation. Record breakdown pressure, ball action, and ISIP. RD stimulation company.
7. RU wireline unit with packoff. RIH with 2-7/8" junk basket. Knock off balls and POOH. Record total ball recovery and number of hits. RD wireline company.
8. RU stimulation company. Pressure test surface lines to 6000 psi. **Max surface pressure = 5000 psi.** Fracture stimulate w/ 85,000# 20/40 Arizona sand in 70Q nitrogen foamed 25# linear gel. See attached frac schedule for details. **(1 frac tank needed)**
9. Shut well in after frac and record ISIP. RD stimulation company. Install flowback line above frac valve. Open well to pit in accordance to flowback schedule enclosed and table below. If choke plugs off, shut well in and remove obstruction from choke and return to flowback

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07/15/97

schedule. Do not replace with next larger choke size. Continue cleaning up until fluid returns are negligible. Take pitot gauges when possible.

9/64 choke	shut-in - 450 psi
12/64 choke	450 - 250 psi
16/64 choke	250 - 120 psi
24/64 choke	120 - well dies

RIG PROCEDURE

Fruitland Coal Completion:

10. MIRU daylight workover rig. Hold safety meeting. Blow down casing. Kill well w/ 2% KCl.
11. MIRU wireline unit. Under packoff, run 2-1/4" gauge ring to 2471'. Dump 4-1/2 sx sand from surface (top of plug ~2342'). Under packoff, run gauge ring and tag top of plug (dump additional sand as needed, bottom perforation will be 2334').
12. Load hole with ~ 1 bbl of water (fluid level ~ 2169').
13. RU nitrogen unit. Pressure test surface lines to 5000 psi. Pressure test casing with nitrogen to 4000 psi. If casing does not hold, load hole with 2% KCl and pressure test to 4000 psi. Contact engineering if casing will not test. (If sand plug will not hold, wireline set 2-7/8" CIBP at 2342'.)
14. RU wireline unit. Under 5000# packoff head, run 2-1/8" RTG gun with Owen 402NT 6.7g charges, 4 SPF @ 60 degree phasing (0.29" hole, 13.48" penetration). Have all personnel on location a minimum of 100' from wellhead. Holding 4000 psi on well, **perforate 2288-2293', 2316-2334'.**
15. Monitor pressure on well for 30 minutes. Release pressure on well. Control with 2% KCl if necessary prior to POOH with wireline. POOH.
16. Flow test well for 1 hour. Obtain pitot gauge.
17. Dump 2 sx sand from surface (top of plug ~ 2284'). Under packoff, run gauge ring and tag top of plug (dump additional sand as needed, bottom perforation will be 2264').
18. Load hole with ~ 1 bbl water (fluid level to ~ 2111').
19. RU wireline unit. Under 5000# packoff head, run 2-1/8" RTG gun with Owen 402NT 6.7g charges, 4 SPF @ 60 degree phasing (0.29" hole, 13.48" penetration). RU nitrogen unit. Pressure test surface lines to 5000 psi. Pressure casing with nitrogen to 4000 psi. Have all personnel on location a minimum of 100' from wellhead. Holding 4000 psi on well, **perforate 2237-2250', 2260-2264'.**
20. Monitor pressure on well for 30 minutes. Release pressure on well. Control with 2% KCl if necessary prior to POOH with wireline. POOH.
21. Flow test well for 1 hour. Obtain pitot gauge.
22. Dump 2 sx sand from surface (top of plug ~ 2226'). Under packoff, run gauge ring and tag top of plug (dump additional sand as needed, bottom perforation will be 2200').

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23. Load hole with ~1 bbl water (fluid level to ~2053').

24. RU wireline unit. Under 5000# packoff head, run 2-1/8" RTG gun with Owen 402NT 6.7g charges, 4 SPF @ 60 degree phasing (0.29" hole, 13.48" penetration). RU nitrogen unit. Pressure test surface lines to 5000 psi. Pressure casing with nitrogen to 4000 psi. Have all personnel on location a minimum of 100' from wellhead. Holding 4000 psi on well, **perforate 2180-2184', 2190-2192', 2198-2200'**.

25. Monitor pressure on well for 30 minutes. Release pressure on well. Control with 2% KCl if necessary prior to POOH with wireline. POOH.

26. Flow test well for 1 hour. Obtain pitot gauge.

27. TIH with 2-3/8" blade bit on 1-1/4" IJ Class B tubing (use 1-1/4" Homco rental drill pipe if CIBP set). Clean out to PBTD with air. TOOH.

28. Flow test commingled zones.

29. ND BOP. NU wellhead. RD and release rig.

Concur:

 7/12/97
Northeast Basin Team Leader

Approved:

 7/15/97
Drilling Superintendent

Production Engineers: **Gaye White**
326-9875-work
327-8904-pager
326-6354-home

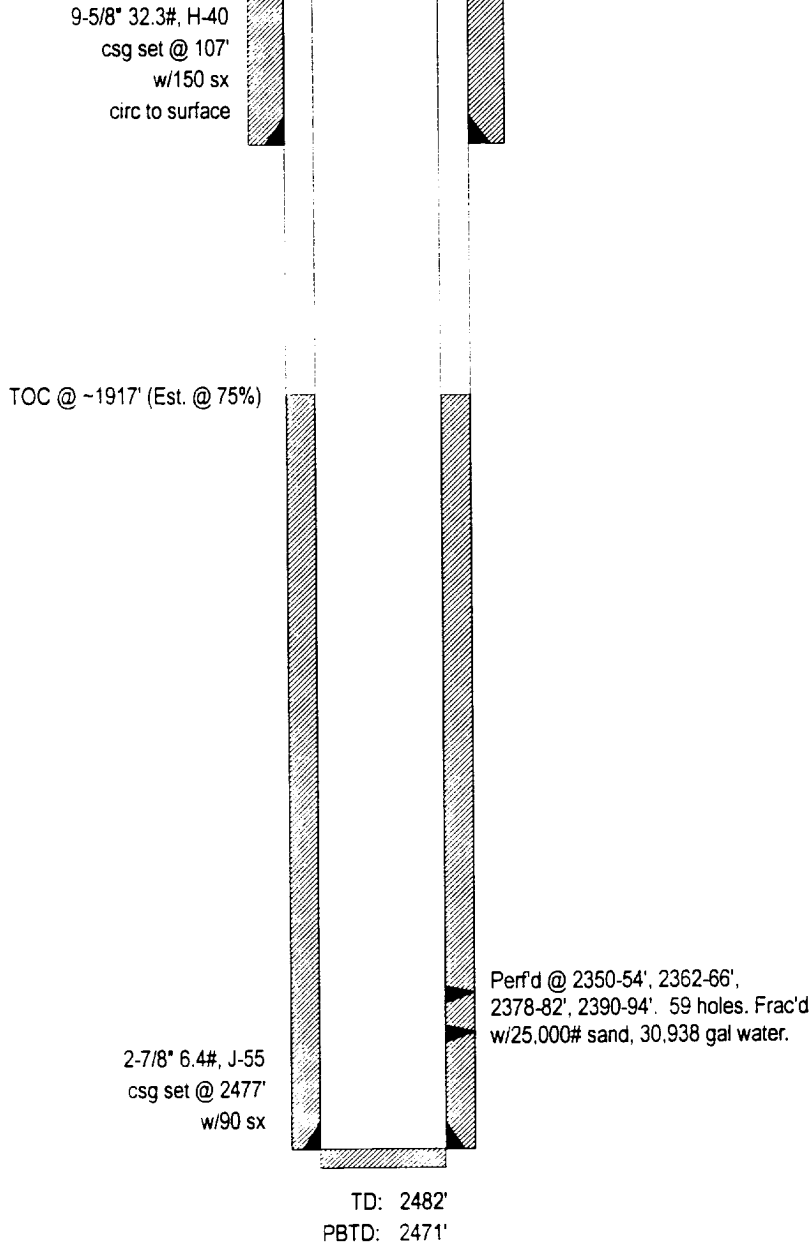
Joan Easley
599-4026-work
324-2717-pager
327-6843-home

Bob Goodwin
326-9713-work
564-7096-pager
599-0992-home

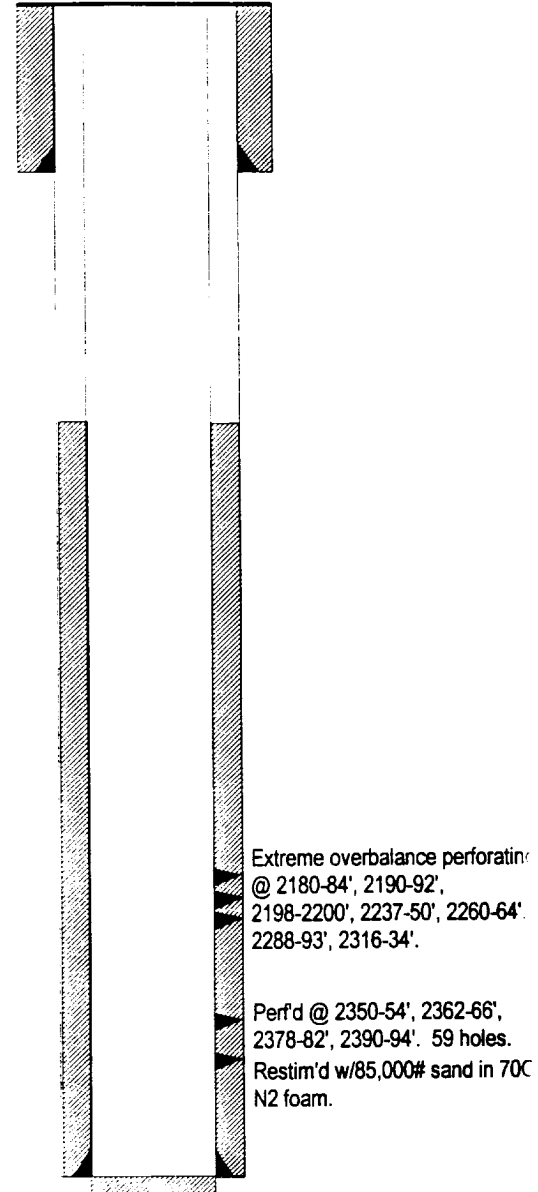
Storey C #12

Blanco Pictured Cliffs
Unit C, Section 34, T28N, R9W
San Juan County, NM
Elevation: 6212' GL
LAT: 36° 37.41' / LONG: 107° 46.75'
date spud: 08-13-61

Current



Proposed



PERTINENT DATA SHEET
STOREY C #12

Location: 800' FNL, 1500' FWL
Unit C, Section 34, T28N, R9W
San Juan County, New Mexico

Elevation: 6212' GL
LAT: 36 37.41'
LONG: 107 46.75'

Field: Blanco Pictured Cliffs

GWI: 86.5%
NRI: 71.4%

Spud Date: 08/13/61
Completion Date: 10/06/61

TD: 2482'
PBTD: 2471'

DP#: 50496A

Casing Record:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>Sxs Cmt</u>	<u>Cement Top</u>
13-3/4"	9-5/8"	32.3# H-40	107'	150 (140 cf)	Circ. to surface
7-7/8" to ~2183'	2-7/8"	6.4#, J-55	2477'	90 (133 cf)	~1917' (Est. w/75% eff.)
6-3/4" @ ~2183'					

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>BHA</u>
TUBINGLESS COMPLETION			

Formation Tops:

Ojo Alamo	1375'	Fruitland	2080'
Kirtland	1450'	Pictured Cliffs	2340'

Logging Record:

Electric log

Stimulation:

Perf'd @ 2350-54', 2362-66', 2378-82', 2390-94'. 59 holes (4 SPF, 5 misfired). Frac'd w/25,000# sand, 30,938 gal water

Workover History:

NONE

Production History:

Initial Deliverability:	4735 AOF	ISICP:	753#
Latest Deliverability:	39 MCFD	CUMS:	1,156 MMCF

Transporter:

Oil/Condensate: Giant Gas: El Paso