

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

1610' FNL, 1460' FEL, Sec. 21, T-28-N, R-5-W, NMPM

G

5. Lease Number  
SF-079519A

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
San Juan 28-5 U #76

9. API Well No.  
30-039-20107

10. Field and Pool  
Blanco MV/Basin DK

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 - Commingle

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut off  
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to add the Mesaverde formation to the existing Dakota formation in the subject well according to the attached procedure and wellbore diagram. The well will then be commingled. A down-hole commingle order will be obtained from the New Mexico Oil Conservation Division.

RECEIVED  
MAR - 7 1997

OIL CON. DIV.  
DISL 3

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

Signed Duane W. Spenser (LLL8) Title Regulatory Administrator Date 11/14/96

(This space for Federal or State Office use)

APPROVED BY JS/ Duane W. Spenser

Title

Date

MAR - 5 1997

CONDITION OF APPROVAL, if any:

Need HHC order @

NMCCD

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-102  
Revised February 21, 1994  
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 30-039-20107	Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota	Well Number 76
Property Code 7460	Property Name San Juan 28-5 Unit	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6722'
OGRID No. 14538			

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
G	21	28-N	5-W		1610	North	1460	East	R.A.

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	County

12 Dedicated Acres  
MV-N/320  
DK-N/320

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

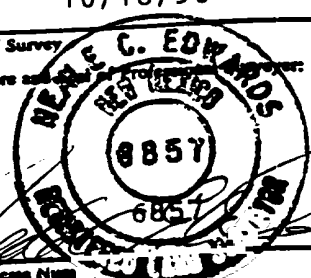
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Peggy Bradfield*  
Signature  
Peggy Bradfield  
Printed Name  
Regulatory Administrator  
Title  
10-23-96  
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.

10/18/96

Date of Survey  
Signature and Seal of Professional Surveyor  
  
Certificate Num

Not resurveyed, prepared  
from a plat by David O.  
Vilven Dated 1-9-68.

## San Juan 28-5 Unit #76

### Mesaverde Recompletion

Unit G, Section 21, T-28-N, R-5-W, Rio Arriba County, New Mexico

Lat. 36-38-58, Long. 107-21-35

---

Inspect location and install and/or test rig anchors. **This job will require 4 total frac tanks.** Comply with all BLM, NMOCD, Forestry, and MOI rules and regulations. **BE SAFE.**

---

\*\*\*All vendors/service companies on location will be responsible for protection of the environment. Any questions call Lori Lantz at 599-4024.\*\*\*

1. MIRU. Hold Safety Meeting. Place fire and safety equipment in easily accessible locations. Obtain and record all wellhead pressures. NU relief line to flare pit.
2. Blow down tubing. If tubing will not blow down, kill well with 2% KCl water. ND WH, NU BOP. NU blooie line to flare pit.
3. TOOH with 259 jts (7990') of 2-3/8" 4.7# J-55 tubing. Visually inspect, tally, and stand back tubing. Note and record locations of scale, if any. Replace any bad joints.
4. PU 3-7/8" bit and 4-1/2" 11.6# casing scraper on 2-3/8" workstring. Rabbit and tally on TIH to PBTD of 8055'. TOOH and LD bit and scraper.
5. MIRU electric line unit. RIH and set CIBP at 6100' (use slow burn charge to set plug). Load hole w/ 2% KCl and pressure test casing and CIBP to 1000 psi.
6. Run GR-CBL-CCL from 6100' to 200' above top of cement with 1000 psi surface pressure. Run repeat section with 0 psi surface pressure. Top of good cement must be above 5342' to continue. Evaluate CBL and send copy to production and drilling.

#### Point Lookout Stimulation:

7. RIH w/ 3-1/8" Select Fire Perforating gun loaded 2 spf w/ 10 or 12 gram charges (0.31" diameter holes) and perforate the following depths:

**5785' 5799' 5802' 5805' 5818' 5829' 5838' 5848' 5852' 5860'**  
**5881' 5887' 5899' 5904' 5909' 5927' 5931' 5935'**  
**(36 total holes)**

8. RD electric line unit. PU 4-1/2" packer on 2-7/8" N-80 buttress frac string. TIH and set packer at approximately 6000'. Load hole w/ 2% KCl and pressure test CIBP to 3800 psi (80% of internal yield of 4790 psi). Pull up and reset packer at approximately 5635'.

## San Juan 28-5 Unit #76

### Mesaverde Recompletion

Unit G, Section 21, T-28-N, R-5-W, Rio Arriba County, New Mexico  
Lat. 36-38-58, Long. 107-21-35

9. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 4800 psi. **Maximum treating pressure is 3800 psi.** Pump 1500 gals of 15% HCl acid at 10-15 bpm. Drop a total of 54 7/8" diameter (1.3 sg) RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.
10. Release packer. TIH w/ 4-1/2" packer on frac string and knock balls off perforations. Pull up and reset packer at approximately 5635'.
11. RU stimulation company. Pressure test surface treating lines to 9400 psi. **Maximum treating pressure for various rates is listed below.** Fracture stimulate the Point Lookout interval w/ 69,000# 20/40 sand in 70Q Nitrogen foam (20# linear based foam) at approximately 20 bpm according to the attached procedure.

Rate	Max Pressure
20 bpm	8400 psi
10 bpm	5200 psi
0 bpm	3800 psi

12. RDMO stimulation company. Flow back well immediately using a dual choke manifold unless specified in fracture procedure. When pressures allow, release packer. TOOH w/ packer and 2-7/8" frac string.
13. RU electric line unit. RIH w/ 4-1/2" RBP and set at 5700'. Dump 2 sks sand on RBP.

#### Cliffhouse / Menefee Stimulation:

14. RIH w/ 3-1/8" Select Fire Perforating gun loaded 2 spf w/ 10 or 12 gram (0.31" diameter holes) and perforate the following depths:

**5392' 5400' 5415' 5423' 5432' 5435' 5440' 5447' 5454' 5458'  
5538' 5543' 5572' 5576' 5592' 5597' 5620' 5626' 5657'  
(38 total holes)**

15. RD electric line unit. PU 4-1/2" packer on 2-7/8" N-80 buttress frac string. TIH and set packer at approximately 5675'. Load hole w/ 2% KCl and pressure test RBP to 3800 psi (80% of internal yield of 4790 psi). Pull up and reset packer at approximately 5242'.

## San Juan 28-5 Unit #76

### Mesaverde Recompletion

Unit G, Section 21, T-28-N, R-5-W, Rio Arriba County, New Mexico

Lat. 36-38-58, Long. 107-21-35

16. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 4800 psi. **Maximum treating pressure is 3800 psi.** Pump 1500 gals of 15% HCl acid at 10-15 bpm. Drop a total of 57 7/8" diameter (1.3 sg) RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.
17. Release packer. TIH w/ 4-1/2" packer on frac string and knock balls off perforations. Pull up and reset packer at approximately 5242'.
18. RU stimulation company. Pressure test surface treating lines to 9000 psi. **Maximum treating pressure for various rates is listed below.** Fracture stimulate the Cliffhouse / Menefee intervals w/ 94,000# 20/40 sand in 70Q Nitrogen foam (20# linear based foam) at approximately 20 bpm according to the attached procedure.

Rate	Max Pressure
20 bpm	8000 psi
10 bpm	5100 psi
0 bpm	3800 psi

19. RDMO stimulation company. Flow back well immediately using a dual choke manifold unless specified in fracture procedure. When pressures allow, release packer. TOOH and LD packer and 2-7/8" frac string.
20. TIH w/ 2-3/8" workstring and clean out to the RBP set at 5700' with air until sand and water production is minimal (run retrieving head on last clean out run). **Obtain flow gauge and record as Cliffhouse / Menefee.** Latch onto RBP and TOOH.
21. PU mill on 2-3/8" tbg. TIH and clean out to CIBP set at 6100' with air until sand and water production is minimal. **Obtain flow gauge and record as Cliffhouse / Menefee / Point Lookout.** Mill up CIBP set at 6100', push to bottom, and clean out to PBDT of 8055'. TOOH and LD mill.
22. Rabbit and TIH with 2-3/8" 4.7# J-55 tubing with expendable check and seating nipple one joint off bottom and cleanout to PBDT of 8055' with air. Land tubing at approx 8040'. ND BOP. NU WH. Pump off check and obtain final flow gauge. **Record flow gauge as Mesaverde / Dakota.** Contact Production Operations for well tie-in. RDMO.

# **San Juan 28-5 Unit #76**

## **Mesaverde Recompletion**

Unit G, Section 21, T-28-N, R-5-W, Rio Arriba County, New Mexico

Lat. 36-38-58, Long. 107-21-35

Approved: \_\_\_\_\_  
Regional Team Leader

Approved: \_\_\_\_\_  
Drilling Superintendent

# **San Juan 28-5 Unit #76** **Unit G, Sec 21, T-28-N, R-5-W**

Location: 1610' FNL, 1460' FEL  
 Rio Arriba County, NM

Latitude: 36-38-58  
Longitude: 107-21-35

Current Field: Basin Dakota  
Spud: 6/21/68  
Elev GL: 6722'  
TD: 8058'

Logs Run: I-EL, Density, TS  
Completed: 9/17/68  
Elev KB:  
PBTD: 8055'

## **CASING RECORD:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Cmt Vol</u>	<u>Cmt Top</u>
13-3/4"	9-5/8"	32.3#	H-40	196'	125 sks	Surf (circ)
8-3/4"	7"	20#	J-55	3850'	135 sks	2600' (TS)
6-1/4"	4-1/2"	10.5 & 11.6#	J-55	8058'	395 sks	

## **LINER RECORD:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Cmt Vol</u>	<u>Cmt Top</u>
------------------	--------------------	---------------	--------------	------------------	----------------	----------------

## **TUBING RECORD:**

<u>Tubing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Joints</u>	<u>Other</u>	<u>Depth</u>
2-3/8"	4.7#	J-55	7990'	259		

## **FORMATION TOPS:**

Ojo Alamo	—	Pictured Cliffs	3607'	Pt Lookout	5782'
Kirtland	—	Cliffhouse	5317'	Gallup	6807'
Fruitland	—	Menefee	—	Dakota	7966'

## Completions:

Dakota

Perfs: 7898-7906, 7988-8004, 8040-48 (24 spz)

Frac: 44,000# 40/60 sand and 47,300 gal water + balls.

SIWHP: 2706 psi      AOF: 4309 mcf

## Cementing Information

9-5/8" Casing cemented w/ 125 sks Class A w/ 1/4# gel flake /sk.

7" Casing cemented w/ 85 sks Class C w/ 4% gel & 1/4 cu ft Strata Crete "6" /sk, followed by 50 sks Class C Neat w/ 2% CaCl<sub>2</sub>.

4-1/2" Casing cemented w/ 295 sks Class A w/ 4% gel, 1/4 cu ft fne gilsonite /sk & 0.4% HR-4, followed by 100 sks Class A w/ 1# Tuff-plug /sk & 0.4% HR-4.

## Workover History:

8/11/68 While logging, left GR-Induction tool in hole; also left washover pipe. Spotted 100 sk cement plug on top fish @ 5740'. Squeezed OH w/ 300 sks. Sidetracked well. Bit fell back into openhole. Squeezed w/ 132 Sidetracked. KOP @3900'.

8/6/96 Well acidized for scale. Bad tubing replaced.

# SAN JUAN 28-5 UNIT #76

Unit G, Section 21, T-28-N, R-5-W

Lat. 36-38-58, Long. 107-21-35

57.11.11 11:09:03

## CURRENT WELLBORE SCHEMATIC

