

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

Sundry Notices and Reports SF-079193  
JAN 11 PM 1:08

070 FARMINGTON, NM

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

915' FNL, 1675' FEL, Sec. 20, T-28-N, R-6-W, NMPM

5. Lease Number

~~SE-070103~~

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

San Juan 28-6 Unit

8. Well Name & Number

San Juan 28-6 U #44

9. API Well No.

30-039-07392

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 - Pay add

☐ 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 Lewis, Cliff House and Menefee pay to the existing Point Lookout zone of the subject well according to the attached procedure and wellbore diagram.

RECEIVED  
JAN - 9 1997  
OIL CON. DIV.  
DIST. 3

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

Signed Regina Starnes (LLL8) Title Regulatory Administrator Date 12/31/96

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_

CONDITION OF APPROVAL, if any:

Date \_\_\_\_\_

**APPROVED**

JAN 06 1997

M. J. Starnes  
DISTRICT MANAGER

(E)

## **San Juan 28-6 Unit #44**

### **Mesaverde Pay-Add**

Unit B, Section 20, T-28-N, R-6-W, Rio Arriba County, New Mexico

Lat. 36-39-5, Long. 107-29-11

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Inspect location and install and/or test rig anchors. This job will require 15 frac tanks. Comply with all BLM, NMOCD, Forestry, and BR rules and regulations.

#### **BE SAFE.**

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\*\*\*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 w/ 180 jts (5626') of 2-3/8" 4.7# J-55 tubing. Visually inspect, tally, and stand back tubing.
4. PU 4-1/2" bit and 5-1/2" 14# casing scraper on 2-3/8" tbg. Rabbit and tally on TIH to PBTD of 5649'. TOOH and LD bit and scraper.
5. MIRU electric line unit. RIH and set CIBP at 5309' (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 5309' to 200' above TOC with 1000 psi surface pressure. Run repeat section with 0 psi surface pressure. Top of good cement must be above 3993' to continue. Evaluate CBL and send copy to production and drilling.

#### **Cliffhouse / Menefee 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:

**4972' 4975' 4979' 4996' 5006' 5050' 5058' 5075' 5077' 5083'  
5086' 5108' 5114' 5120' 5126' 5132' 5138' 5144' 5211' 5224'  
5234' 5254' 5264' 5269'  
(48 total holes)**

8. RD electric line unit. PU 5-1/2" packer on 2-7/8" N-80 buttress frac string. TIH and set packer at approximately 5280'. Load hole w/ 2% KCl and
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pressure test CIBP to 3400 psi (80% of internal yield of 4270 psi). Pull up and reset packer at approximately 4822'.

9. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 4400 psi. **Maximum static treating pressure is 3400 psi.** Pump 1500 gals of 15% HCl acid at 10-15 bpm. Drop a total of 72 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/ 5-1/2" packer on frac string and knock balls off perforations. Pull up and reset packer at approximately 4822'.
11. RU stimulation company. Pressure test surface treating lines to 9200 psi. **Maximum treating pressure for various rates is listed below.** Fracture stimulate the Cliffhouse and Menefee intervals w/ 90,000# 20/40 sand in slickwater at approximately 35 bpm according to the attached procedure.

Rate	Max Pressure
0 bpm	3400 psi
20 bpm	5000 psi
35 bpm	8200 psi

12. RDMO stimulation company. Flow back well using a dual choke manifold. When pressures allow, release packer. TOO H w/ packer and 2-7/8" frac string.
13. RU electric line unit. RIH w/ 5-1/2" RBP and set at 4609'. Dump 2 sks sand on RBP.

#### Lewis 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:

**4043' 4061' 4087' 4103' 4175' 4190' 4277' 4290' 4302' 4320'**  
**4355' 4419' 4435' 4445' 4460' 4546' 4569'**  
**(34 total holes)**

15. RD electric line unit. PU 5-1/2" packer on 2-7/8" N-80 buttress frac string. TIH and set packer at approximately 4580'. Load hole w/ 2% KCl and pressure test RBP to 3400 psi (80% of internal yield of 4270 psi). Pull up and reset packer at approximately 3893' (or in good cement).
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16. RU stimulation company. **Hold Safety Meeting.** Pressure test surface treating lines to 4400 psi. **Maximum static pressure is 3400 psi.** Pump 1500 gals of 15% HCl acid at 10-15 bpm. Drop a total of 51 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/ 5-1/2" packer on frac string and knock balls off perforations. Pull up and reset packer at approximately 3893'.

18. RU stimulation company. Pressure test surface treating lines to 8200 psi. **Maximum treating pressure for various rates is listed below.** Fracture stimulate the Lewis interval w/ 85,000# 20/40 sand in slickwater at approximately 35 bpm according to the attached procedure. Tag pad with Antimony, 1/2, 1 & 1-1/2 ppg sand stages with Iridium, and 2 ppg stage with Scandium-46. SI for ISIP.

Rate	Max Pressure
0 bpm	3400 psi
20 bpm	4700 psi
35 bpm	7200 psi

19. RDMO stimulation company. Flow back well immediately using a dual choke manifold. 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 4609' with air until sand and water production is minimal (run retrieving head on last clean out run). **Obtain flow gauge and record as Lewis.** Latch onto RBP and TOOH.

21. PU mill on 2-3/8" tbg. TIH and clean out to CIBP set at 5309' with air until sand and water production is minimal. **Obtain flow gauge and record as Lewis / Cliffhouse / Menefee.** Mill up CIBP set at 5309', push to bottom, and clean out to PBTD of 5649'. **Obtain flow gauge and record as Lewis / Cliffhouse / Menefee / Point Lookout.** TOOH and LD mill.

22. RU Wireline Unit. Run Multiple Isotope After-Frac Gamma Ray log over Lewis interval. Run Perforation Efficiency Log from top of Lewis through bottom of Point Lookout. RD Wireline Unit. Send Logs to Production Engineering and Drilling.

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23. Rabbit and TIH with 2-3/8" 4.7# J-55 tbg with expendable check and seating nipple one joint off bottom. Land tubing at approximately 5630'. ND BOP. NU WH. Pump off check and obtain final flow gauge. **Record as Lewis / Cliffhouse / Menefee / Point Lookout.** Contact Production Operations for well tie-in. RDMO.

Approved: Amber Morehead Approved: \_\_\_\_\_  
Regional Team Leader  
12/26/96 for ALW Drilling Superintendent

**San Juan 28-6 Unit #44**  
**Unit B, Sec 20, T-28-N, R-6-W**

Location: 915' FNL, 1675' FEL  
 Rio Arriba County, NM

Latitude: 36-39-5  
Longitude: 107-29-11

Current Field: Blanco Mesaverde  
Spud: 11/10/55  
Elev GL: 6500'  
TD: 5672'

Logs Run: ES, GR-Neutron  
Completed: 1/ 6/56  
Elev KB:  
PBTD: 5649'

**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>
	10-3/4"	32.75#	H-40	226'	140 sks	No Est
9-7/8"	7-5/8"	26.4#	H-40	3335'	190 sks	No Est
6-3/4"	5-1/2"	14#	J-55	5673'	150 sks	No Est

**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>
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**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	5626'	180		

**FORMATION TOPS:**

Ojo Alamo	2480'	Pictured Cliffs	3327'	Pt Lookout	5490'
Kirtland	2640'	Cliffhouse	5046'	Gallup	—
Fruitland	3034'	Menefee	5144'	Dakota	—

Completions:

Mesaverde - Lower Pt. Lookout

Perfs: 5578-96, 5602-16, 5620-26, 5630-36 (2 spf)

Frac: 50,000 gal water and 60,000# 20/40 sand.

SIWHP: 1015 psi AOF: 5751 MCFD

Mesaverde - Point Lookout

Perfs: 5494-5504, 5508-38, 5544-52, 5556-62 (2 spf)

Frac: 42,000 gal water and no sand.

Cementing Information

10-3/4" casing cemented w/ 140 sks cement w/ 4% gel.

7-5/8" casing cemented w/ 140 sks cement w/ 8% gel and 50 sks neat.

5-1/2" casing cemented w/ 150 sks regular cement.

Workover History:

LLL:rjp 12/20/96

# SAN JUAN 28-6 UNIT #44

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## CURRENT WELLBORE SCHEMATIC

