

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

RECEIVED  
BLM

Sundry Notices and Reports on Wells

97 MAR 13 PM 1:50

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

1175' FNL, 1570' FWL, Sec. 22, T-27-N, R-5-W, NMPM

C

5. Lease Number

SF-079403

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

San Juan 27-5 Unit

8. Well Name & Number

San Juan 27-5 U #1174/M

9. API Well No.

30-039-23703

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**

**Type of Action**

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☒ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☐ Other -

**13. Describe Proposed or Completed Operations**

It is intended to recomplete the subject well in the Mesaverde formation according to the attached procedure and wellbore diagram. The well will then be down hole commingled. A down hole commingle order will be applied for.

*File in #117E  
NOT Chg'd yet.*

**RECEIVED**  
MAR 18 1997

**OIL CON. DIV.**  
DIST. 3

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

Signed *John J. Spauld* (JASPUD) Title Regulatory Administrator Date 3/13/97

(This space for Federal or State Office use)

APPROVED BY /S/ Duane W. Spencer Title \_\_\_\_\_ Date MAR 14 1997

CONDITION OF APPROVAL, if any:

*(Signature)*

NMOC

✓

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-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 30-039-23703		Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7454	Property Name San Juan 27-5 Unit		Well Number 1177 M
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 6561'

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
C	22	27-N	5-W		1175	North	1570	West	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-W/320 DK-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

	<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature: <u>Peggy Bradfield</u> Printed Name: <u>Peggy Bradfield</u> Title: <u>Regulatory Administrator</u> Date: <u>3-13-97</u>
	<b>18 SURVEYOR CERTIFICATION</b> 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.  Date of Survey: <u>2/10/97</u> Signature and Seal of Professional Surveyor: <u>NEALE C. EDWARDS</u> Certificate Number: <u>6857</u>

# BURLINGTON RESOURCES

## San Juan 27-5 Unit #117E

Blanco Mesaverde R/C & Commingle w/ Dakota

Unit C, Section 22, T27N, R5W

Rio Arriba County, New Mexico

Lat: 36° 33' 45"

Long: 107° 20' 55"

- 
- Comply with all BLM, NMOCD, & MOI rules & regulations.
  - **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
  - Use DRILL GAS if possible over AIR.
  - 8,000' of 2-3/8" 4.7#, EUE, J-55 workstring & (6) 3-1/8" drill collars (if necessary)
  - 2 joints of 2-7/8" J-55 or N-80 tubing and 4-1/2" full bore packer.
  - 10 frac tanks to be spotted and filled with 2% KCl water (includes 1 rig tank).
  - Ensure CIBP's are T-Lok, if stacked plugs are run.
- 

This well is part of the 1997 MV PUD Commingle program. The well is currently completed in the Dakota with a production rate of 173 MCFD/ 1 BOPD. Cumulative Dakota production is 517 MMCF and 3.0 MBO. The Mesaverde interval will be added and the zones will be commingled upon completion of the well.

1. MIRU. Record and report SI pressures on tubing, casing, & bradenhead. Lay blowdown line. Blow down casing & tubing. Kill well w/ 2% KCl down tubing. ND WH, Replace any failed valves or seals on wellhead. NU BOP.
2. TOOH & strap 238 jts of 1-1/2" (J-55, 10 rd, 2.9#) tubing @ 7730'. Visually inspect tubing, note and report any scale in tubing. Lay down bad joints. Tubing will be rerun as the production string if there is no scale or other problems.
3. PU 3-7/8" bit, 4-1/2" csg scraper, six (6) 3-1/8" drill collars (if necessary) and 2-3/8" workstring. Clean out w/ gas to PBTD @ 7783'. TOOH.
4. RU wireline. If tubing had appreciable scale when pulled from hole in Step 2., run 4-1/2" 10.5# WL gauge ring to 6010'. RIH and set a 4-1/2" CIBP @ 5850'.
5. Load hole w/ 2% KCL water. PU a 4-1/2" pkr on 2 jts of 2-3/8" tubing and set @ 60'. Pressure test casing and CIBP to 3000 psi (62% of 4800 psi burst). Hold for 10 minutes. If PT does not hold, TIH and search for leaks. Locate leak(s). TOOH. Engineering will provide squeeze design if necessary.
6. TIH w/ 2-3/8" workstring open-ended blowing hole dry in stages to 5800' (50' above CIBP). Spot 500 gallons of 15% HCL with 2/1000 gal inhibitor. TOOH
7. RU wireline under packoff. Perforate underbalanced Lower Menefee and Point Lookout @ the following depths with 3-1/8" HSC guns, 1 and 2 SPF @ 120° phasing, 12 gram charges (Owen HSC-3125 306T) and 0.29" diameter holes:

2 SPF @ 120°

5760, 5739, 5726, 5662, 5655, 5639,

5634, 5626, 5593, 5586, 5574, 5570

12 Intervals - 24 Holes

1 SPF

5547, 5538, 5532, 5522, 5502, 5470, 5462

5454, 5445, 5420, 5410, 5388, 5381

13 Intervals - 13 Holes

**Total - 25 Intervals - 37 Holes**

8. Change rams to 2-7/8". PU 4-1/2" pkr on 2 jts of 2-7/8", J-55 or N-80 tubing/fracstring.
9. RU stimulation company. Pressure test surface lines to 4000 psi. **Maximum STP = 3000 psi.** Hold 500 psi on annulus behind packer and monitor during the job. Also monitor the 7" by 4 - 1/2" annulus. Fracture stimulate the Point Lookout & Lower Menefee w/ Arizona sand in slickwater. When rate and pressure stabilize during pad shut down and obtain ISIP. When one-half of flush volume is gone, slow rate by 50% to determine if fluid will be on a vacuum. Adjust flush volume accordingly.
10. If well has pressure when stimulation is complete, stimulation company is to monitor pressures for 30 minutes after shutdown. Flowback well if necessary to release packer. Flowback should continue for as long as necessary to release pkr (not to exceed 3-4 BPM). When well dies, release packer and stand back.
11. RU wireline. If necessary, run 4-1/2" 10.5# WL gauge ring to 5370'. RIH and set a 4-1/2" CIBP @ 5360'.
12. Change to 2-3/8" rams. Load hole w/ 2% KCL water. PU 4-1/2" pkr on 2 jts of 2-3/8" tubing. Pressure test casing and CIBP to 3000 psi (62% of 4800 psi burst). Hold for 10 minutes. Release pressure and stand back packer.
13. TIH open ended w/ 2-3/8" workstring. Blow down with gas going in hole. Blow hole dry @ 5340'. Spot 400 gallons of 15% HCL with 2/1000 gal inhibitor. TOOH.
14. RU wireline under packoff. Underbalance perforate the Cliffhouse and Menefee @ the following depths with 3-1/8" HSC guns, **1 and 2 SPF @ 120° phasing**, 12 gram charges (Owen HSC-3125 306T) and 0.29" diameter holes:

**2 SPF @ 120°** 5333, 5311, 5298, 5267, 5263

**5 Intervals - 10 Holes**

**1 SPF**

5246, 5238, 5232, 5195, 5176, 5153, 5134, 5130, 5120,  
5116, 5082, 5068, 5062, 5037, 5029, 5018, 4965, 4956, 4918

**19 Intervals - 19 Holes**

**Total - 24 Intervals - 29 Holes**

15. Change out rams to 2-7/8". PU 4-1/2" pkr on 2 jts of 2-7/8", J-55 or N-80 tubing/fracstring.
16. RU stimulation company. Pressure test surface lines to 4000 psi. **Maximum STP = 3000 psi.** Hold 500 psi on annulus behind packer and monitor during the job. Also monitor the 7" by 4 - 1/2" annulus. Fracture stimulate the Cliffhouse/Menefee w/ Arizona sand in slickwater. When rate and pressure stabilize during pad shut down and obtain ISIP. When one-half of flush volume is gone, slow rate by 50% to determine if fluid will be on a vacuum. Adjust flush volume accordingly.
17. If well has pressure when stimulation is complete, flow back well immediately to pit. **Flowback rate not to exceed 4 BPM - choke flowback line with 1/4" to 1/2" positive choke.** Frac company is to monitor flowback pressures for 30 minutes after shutdown. Flowback should continue for as long as necessary to release PKR.
18. When well dies, release pkr & stand back. Change out rams to 2-3/8".
19. PU 3-7/8" bit and collars (if necessary) on 2-3/8" workstring and TIH. Clean out to CIBP @ 5360'. If well cleans and dries up quickly obtain pitot gauge. Obtain 15, 30, 45 & 60 minute pitot gauges.

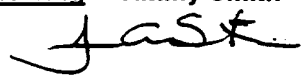
20. Drill CIBP @ 5360'. Clean out to CIBP @ 5850'. Clean up well to obtain an accurate pitot gauge. Obtain 15, 30, 45 & 60 minute MV pitot gauges. Pitot gauges are required by the NMOCD for commingling approval.
21. Drill CIBP @ 5850'. Clean out to PBTD @ 7783'. Obtain commingled 15, 30, 45 & 60 minute pitot gauges. Pitot gauges are required by the NMOCD for commingling approval. When well is clean TOOH.
22. Run production tubing as follows: expendable check, one joint 1-1/2" tubing, standard SN, and remaining tubing. Broach tubing while running in hole. Land tubing @ the original setting depth (+/-7730').
23. ND BOP, NU WH. Pump off expendable check and flow well up tubing. Run swab to SN to ensure tubing is clear. RD & release rig to next location.

Approved:

  
 Regional Engineer

Approved:

  
 Drilling Superintendent
**Recommended Vendors:**

Stimulation	Rig Dependent	Cased Hole Services	Rig Dependent
<b>Engineering</b>	Jimmy Smith	326-9713-(W)	Sean Woolverton
		324-2420-(P)	326-9837- (W)
		327-3061-(H)	326-8931- (P)
			326-4525- (H)

JAS



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PERTINENT DATA SHEET  
**SAN JUAN 27-5 UNIT #117E**

**Location:** 1175' FNL, 1570' FWL  
Unit C, Section 22, T27N, R5W  
Rio Arriba County, New Mexico  
**Field:** Blanco Mesaverde/Basin Dakota  
**ID:** 7795'  
**PBTD:** 7783'  
**Spud Date:** 06-12-85  
**Completion Date:** 08-30-85

**Elevation:** 6561' GL  
**LAT:** 36° 33' 45"  
**LONG:** 107° 20' 55"  
**DP#:** 54051A - DK  
36274A - MV  
**GWI:** 55.02% (DK)  
**NRI:** 46.03% (DK)  
**GWI:** 67.46% (MV)  
**NRI:** 56.91% (MV)

**Casing Record:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>	<u>Sxs Cmt</u>	<u>Cement Top</u>
12-1/4"	9-5/8"	36#, K-55	227'	110 (130 ft3)	surface
8-3/4"	7"	20#, K-55	3612'	180 (272 ft3)	2400' (TS)
6-1/4"	4-1/2"	10.5#, K-55	6484'		
		11.6#, K-55	6484-7795'	355 (643 ft3)	3300' (TS)
		Float collar @ 7783', Top of Marker Jt @ 7450'			

**Tubing Record:**

<u>Tubing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>	<u>BHA</u>
1-1/2"	2.9#, J-55, 10 rd	7730'	SN @ 7698'
	238 jts		

**Formation Tops:**

Chacra	4308'	Pt. Lookout	5560'	Greenhorn	7450'
Mesaverde	5028'	Mancos	6060'	Graneros	7505'
Menefee	5126'	Gallup	6497'	Dakota	7640'

**Logging Record:**

Comp Density Sidewall Neutron / Ind Gamma Ray / C-GR-L / Temp Survey

**Stimulation:**

**Dakota:** Treated w/136,000# 20/40 sand, 108,490 gal slickwater, Perf'd @ 7535', 7538', 7541', 757551', 7553', 7556', 7559', 7581', 7588', 7663', 7667', 7672', 7676', 7717', 7722', 7732', 7747',

**Workover History:**

NONE

**Production History:**

Latest Deliverability	173 MCFD	> 1 BOPD
Initial Deliverability	668 MCFD	ISIP: 2040 (csg)
Cums:	517 MMCF	2965 BO

**Transporter:**

Oil/Condensate: Giant Gas: Williams

# San Juan 27-5 Unit #117E

Blanco Mesaverde/Basin Dakota

Unit C, Section 22, T27N, R5W

Rio Arriba County, NM

Elevation: 6561' GL

LAT: 36° 33' 45" / LONG: 107° 20' 55"

date spud: 06-12-85

