

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

1000' FSL, 990' FWL, Sec. 24, T-27-N, R-5-W, NMPPM

M

5. Lease Number
SF-079492B

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 #43

9. API Well No.
30-039-06962

10. Field and Pool
Tapacito Pict. Cliffs/
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

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 - Pay add and commingle

13. Describe Proposed or Completed Operations

It is intended to add pay to the Mesaverde formation of the subject well 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.

RECEIVED
MAY 20 1997

OIL CON. DIV.
DIST. 3

RECEIVED
MAY 20 1997
OIL CON. DIV.
DIST. 3

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

Signed *Donna W. Spencer* (VGW3) Title Regulatory Administrator Date 5/7/97

(This space for Federal or State Office use)

APPROVED BY *Donna W. Spencer* Title _____ Date MAY 14 1997
CONDITION OF APPROVAL, if any:

NMOC

San Juan 27-5 Unit #43
Burlington Resources Oil & Gas
Tapacito Pictured Cliffs/Blanco Mesaverde Workover
Unit M-Sec24-T27N-R05W
Lat: 36° 33' 14''
Long: 107° 18' 53''

-
- Comply with all BLM, NMOCD, & BR rules & regulations.
 - **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
 - 3-1/2" 9.2# J-55 Frac String (4000' +/-) required.
 - Spot and fill 5 frac tanks with 2% KCl water.
 - Use drill gas for all operations.
 - **(1) 5-1/2" packer and (1) 5-1/2" CIBP** required for 5-1/2" 15.5# J55 pipe.
 - Prepare for immediate flowback of Cliffhouse/Menefee
-

The well is currently completed in the Pictured Cliffs (40 MCFD) and the Mesaverde Point Lookout (35 MCFD). Cumulative production is 471 MMCF from the Pictured Cliffs and 374 MMCF from the Mesaverde. Menefee & Cliffhouse pay will be added and stimulated with a 25# xlink frac. The Mesaverde and Pictured Cliffs will be commingled immediately upon completion of the workover.

NOTE: Pictured Cliffs perfs open 3410' - 3460'
Point Lookout perfs open 5552' - 5630'
Baker Model EGJ packer @ 3565'

1. MIRU. Record and report SI pressures on tubing, casing, & bradenhead. Blow down casing & tubing. Kill well w/ 2% KCl. ND WH, NU BOP.
2. TOOH with 1-1/4" PC tubing and LD. Attempt straight PU on 2-3/8" tubing to release Model EGJ packer @ 3565'. TOOH w/ 2-3/8" tubing and packer. Rabbit and strap tubing. Visually inspect tubing, note any scale in tubing. Lay down any bad tubing.
3. PU 6-3/4" bit and 7-5/8", 26.4# casing scraper on 2-3/8" tubing and clean out to top of liner at 3501'. TOOH and LD bit and scraper. PU 4-3/4" bit and 5-1/2", 15.5# casing scraper on 2-3/8" tbg, clean out w/ gas to PBSD @ 5660'. TOOH and LD bit and scraper.
4. RU wireline unit. Wireline set 5-1/2" CIBP at 5540' to TA the Point Lookout.
5. PU 5-1/2" packer, TIH, & set packer at 3530'. Pressure test 5-1/2" liner to 3800 psig for 10 minutes. If casing fails, isolate hole(s). Engineering will provide squeeze design if required.
6. Complete all squeeze cementing operations. WOC recommended time. Drill out cement. Pressure test to 1000 psi.

Menefee/Cliffhouse Completion:

7. Spot 550 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor) across MN/CH at 5505'. TOO H, standing 2-3/8" back. Change rams to 3-1/2". (If separate trip is required, skip spotting acid.)

8. RU wireline under packoff. Perforate MN/CH (top-down if in acid) @ the following depths with a 3-1/8" HSC gun w/ Owen 306T 12g charges (0.29" hole, 12" penetration), 1 SPF @ 120 degree phasing.

5033'	5042'	5044'	5050'	5052'	5058'
5110'	5116'	5118'	5128'	5130'	5133'
5154'	5158'	5160'	5170'	5172'	5176'
5283'	5284'	5370'	5374'	5379'	5383'
5385'	5387'	5394'	5503'	5505'	

(29 total holes, 472' gross interval)

9. PU 5-1/2" fullbore packer, 2 joints 2-7/8" tubing, and 3-1/2" 9.2# J-55 frac string. Set packer at 3530'.

10. RU stimulation company. Pressure test surface lines to 6500 psi. **Max surface pressure = 5500 psi.** Prepare to break down MN/CH w/ 1000 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor) and 58 7/8" 1.3 s.g. ball sealers. Release pressure, RD stimulation company. Release packer & TOO H. Run junk basket and recover balls. TIH with 3-1/2" frac string and 5-1/2" packer. Set packer at 3530'.

11. RU immediate flowback equipment.

12. RU stimulation company. Pressure test surface lines to 6500 psi. **Max surface pressure = 5500 psi.** Fracture stimulate the MN/CH w/ 150,000# 20/40 Arizona sand in 25# Xlink. See attached frac schedule for details. *(5 frac tanks needed)*

13. Flow back well immediately after shutdown -- **NOTE: Time from frac shut-down until flow tee is opened for flow back should be around 30 seconds. Time is critical to achieve reverse gravel packing. Begin flowback on 1/4" choke, increase as needed.** Flowback should continue for as long as necessary to release packer.

14. Release packer & TOO H laying down 3-1/2" tubing. Change out rams to 2-3/8".

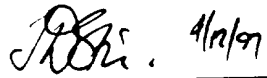
15. TIH w/ 4-3/4" bit on 2-3/8" tubing and clean out to CIBP @ 5540'. Pull up above perms, obtain pitot gauge. Drill up CIBP, clean out to PBDT @ 5660'. Clean up to +/- 5 BPH and trace to no sand. Obtain final pitot gauge. TOO H.

16. Prepare to run production tubing string as follows: expendable check, one joint 2-3/8" tubing, 1.78" seating nipple, and remaining tubing. Land tubing @ 5630' +/-.

San Juan 27-5 Unit #43
Burlington Resources Oil & Gas
04/14/97

18. ND BOP, NU WH. Pump off expendable check and flow well up tubing to ensure check pumped off. RD & release rig to next location.

Concur:



Northeast Basin Team Leader

Approved:

Drilling Superintendent

Production Engineers: **Gaye White**
326-9875-work
327-8904-pager
326-6534-home

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

PERTINENT DATA SHEET
SAN JUAN 27-5 UNIT #43

Location:	1000' FSL, 990' FWL Unit M, Section 24, T27N, R5W Rio Arriba County, New Mexico	Elevation:	6563' GR
Field:	Tapacito PC/Blanco MV	LAT:	36° 33' 14"
TD:	5756'	LONG:	107° 18' 53"
PBTD:	5660'	DP#:	53375A - PC 53375B - MV
Spud Date:	02/16/59	GWl:	68.01% - PC 67.46% - MV
Completion Date:	03/07/59	NRI:	57.36% - PC 56.91% - MV

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>
15"	10-3/4"	32.75#, Armco SW	174'	112 (~132 ft3)	surface
9-7/8"	7-5/8"	26.4#, J-55	3571'	200 (~236 ft3)*	2075' (TS)
6-3/4"	5-1/2" (liner)	15.5#, J-55	3501-5753'	400 (~472 ft3)	3501' (TS)

*Squeezed 7-5/8" with 100 sx @ 3400' before perforating PC

Tubing Record:

	<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>BHA</u>
(MV)	2-3/8"		5613'	SN @ 5578', Baker EGJ pkr @ 3565'
(PC)	1-1/4"		3458'	SN @ 3424'

MV - Perf jt @ 5579-5582', tapped BP @ 5613', PC - Perf jt @ 3423', tapped BP @ 3458'

Formation Tops:

Ojo Alamo	2763'	Pictured Cliffs	3385'	Menefee	5128'
Kirtland	2983'	Lewis	3425'	Point Lookout	5546'
Fruitland	3138'	Cliffhouse	5040'	Mancos	5658'

Logging Record:

ES / GRN / IND / ML / Temp Survey

Stimulation:

PC Perfs: 3410-20', 3424-40', 3446-60', w/2 SPF, 36,300 gal water, 35,000# sand
MV Perfs: 5552-62', 5580-92', 5599-5611', 5616-30', w/2 SPF, 65,100 gal wtr, 65,000# sand (Pt Lookout)

Workover History:

NONE

Production History:

Latest Deliverability	43 MCFD (PC), 45 MCFD, -0- BOPD (MV)	
Initial Deliverability	2,778 AOF (PC), 2,784 AOF (MV)	
Cums:	470 MMCF (PC)	ISICP: 983
	373 MMCF, 317 BO (MV)	ISITP: 985 (PC), 1100 (MV)

Transporter:

Oil/Condensate: Giant Gas: Williams

San Juan 27-5 Unit #43

Tapacito Pictured Cliffs / Blanco Mesaverde
Unit M. Section 24, T27N, R5W
Rio Arriba County, NM
Elevation: 6563' GR
LAT: 36° 33' 14" / LONG: 107° 18' 53"
date spud: 02/16/59

Current

10-3/4" 32.75#
Armco SW csg
set @ 112'
w/225 sx
circ to surface

TOC @ 2075' (TS)

1-1/4" EUE tbg @
3458', SN @ 3424'

Squeezed 3400'
w/100 sx cmt

7-5/8" 26.4#, J-55
csg set @ 3571'
w/200 sx

2-3/8" EUE tbg @ 5613'
SN @ 5578'

5-1/2" 15.5#, J-55 liner
3501-5753' w/400 sx.
Reverse out 185 sx cmt.

TD: 5756'
PBSD: 5660'

Formation Tops:

Ojo Alamo @ 2763'
Kirtland @ 2983'
Fruitland @ 3138'
Pct'd Cliffs @ 3385'
Lewis @ 3425'
Cliffhouse @ 5040'
Menefee @ 5128'
Pt Lookout @ 5546'
Mancos @ 5658'

Pictured Cliffs Perfs:
3410-20', 3424-40',
3446-60', w/2 SPF,
36,300 gal wtr,
35,000# sand

Baker Model 'EGJ'
pkr @ 3565'

Point Lookout Perfs:
5552-62', 5580-92',
5599-5611', 5616-30',
w/2 SPF, 65,100 gal
wtr, 65,000# sand

Proposed

2-3/8" tbg set @ 5630'

Pictured Cliffs Perfs:
3410-20', 3424-40',
3446-60', w/2 SPF,
36,300 gal wtr,
35,000# sand

Cliffhouse/Menefee Perf:
5033', 5042', 5044', 5050',
5052', 5058', 5110', 5116',
5118', 5128', 5130', 5136',
5154', 5158', 5160', 5170',
5172', 5176', 5283', 5284',
5370', 5374', 5379', 5384',
5385', 5387', 5394', 5500',
5505' w/1 SPF, 25# Xlini,
150,000# sand

Point Lookout Perfs:
5552-62', 5580-92',
5599-5611', 5616-30',
w/2 SPF, 65,100 gal
wtr, 65,000# sand

TD: 5756'
PBSD: 5660'