

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports on Wells

NOV -7 PM 1:33

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

950' FSL, 1520' FEL, Sec. 26, T-29-N, R-7-W, NMPM

0

5. Lease Number
SF-078425

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

San Juan 29-7 Unit

8. Well Name & Number

San Juan 29-7 U #123

9. API Well No.

30-039-23620

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 recomplate 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 with the New Mexico Oil Conservation Division.

RECEIVED
NOV 14 1996

OIL CON. DIV.
DIST. 3

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

Signed *Reggie Spauld* (SCW8) Title Regulatory Administrator Date 11/5/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any: _____

Date _____

APPROVED

/s/ Duane W. Spencer
NOV 08 1996

DISTRICT MANAGER

Need DHC

NMCCD

District I
PO Box 1988, Hobbs, NM 88241-1988
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 30-039-23620	Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7465	Property Name San Juan 29-7 Unit	Well Number 123
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6360'

10 Surface Location

UL or lot no. O	Section 26	Township 29-N	Range 7-W	Lot Ids	Feet from the 950	North/South line South	Feet from the 1520	East/West line East	County R.A.
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres E/320 E/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

16 Not resurveyed, prepared from a plat by Fred B. Kerr, Jr. dated 8-1-79.	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Peggy Bradfield Printed Name Regulatory Administrator Title 11-5-96 Date
26 1520' 950'	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. 11/04/96 Date of Survey Signature and Seal NEALE C. EDWARDS NEW MEXICO 6887 Certification Number

BURLINGTON RESOURCES - MESAVERDE RECOMPLETION PROCEDURE
LAT-LONG: 36° 41' 32" - 107° 32' 9"

San Juan 29-7 Unit #123

GENERAL WELL DATA:

Well Name: San Juan 29-7 Unit #123
Location: Unit O, Section 26, T29N, R07W, 950' FSL, 1520' FEL
County, State: Rio Arriba County, New Mexico
Field: Basin Dakota (Current), Blanco Mesaverde (Recomplete)
Formation: Dakota, Mesaverde

PROJECT OBJECTIVE:

Recomplete Mesaverde PUD in existing Dakota wellbore. Commingle Mesaverde with Dakota production. Current Dakota production is 65 MCFD. Anticipated initial Mesaverde production 1,375 MCFD.

Deliver to location: 1.) 7750' of 2-3/8" 4.7# J-55 tubing. 2.) Ten, 400 bbl frac tanks to be spotted and filled w/ 2% KCL water. 3.) 4-1/2" wellhead isolation tool (2 jts of 2-7/8" 6.5# J-55 tubing & 4-1/2" packer). 4.) 3-7/8" bit. 5.) Six 3-1/8" drill collars

1. Hold safety meeting. MIRU Completion Rig. Place fire and safety equipment in strategic locations. Comply with all MOI, BLM and NMOCD rules and regulations. Record all tubing, casing, bradenhead and line pressures. RU flowlines. Blowdown tbg and csg.
2. Flow well to atmosphere and record 15, 30, 45, 60 min. pitot gauges. **These pitot gauges will be used for commingling allocation required by the NMOCD.** Kill well w/ 2% KCl down tubing. ND wellhead. Replace any failed valves and seals on wellhead. NU BOP's and stripping head.
3. TOOH with 7593' of 1-1/2", 2.9#, 10rnd tubing. Rabbit and strap tubing. Inspect and replace any bad joints.
4. RU wireline, under lubricator run 3-7/8" gauge ring to PBTD of 7657'. POOH. PU 4-1/2" CIBP and RIH. Wireline set CIBP at 5550'. POOH. RD wireline.
5. Load hole with 2% KCL. Pressure test casing and CIBP to 1000 psi.
6. RU wireline. RIH with CBL/CCL/GR tool. Under 1000 psi, log from 5550' to 4600'. Cement bond required from 5550' to 4750'. POOH. RD wireline.
7. XO to 2-7/8" pipe rams and slips. PU 4-1/2" packer on 2 jts of 2-7/8" tubing. TIH and set packer @ 60'. RU stimulation company. Pressure test casing to 3800 psi for 15 min. Record results. Unseat packer and TOOH.

Point Lookout and Lower Menefee Fracture Stimulation:

8. RU wireline company. RIH with 3-1/8" HSC casing gun. Perforate Lower Menefee and Point Lookout top down with 1 SPF, 0.34" diameter - 11.3" penetration charge at the following depths:

5178,	5195,	5230,	5253,	5256,	5258,	5261,	5324,	5340,	5364,
5368,	5372,	5378,	5389,	5392,	5403,	5408,	5412,	5424,	5435,
5440,	5444,	5455,	5459,	5466,	5482,	5489,	5505		

(20 total intervals, 28 total holes, 330' of gross interval)

POOH and RD wireline company.

9. PU 4-1/2" packer on 2 jts of 2-7/8" tubing. TIH and set packer @ 60'. RU stimulation company. Pressure test surface lines to 5000 psi. Prepare to breakdown and balloff w/ 2% KCL. Attempt to breakdown at 20 BPM. Drop a total of 50 7/8" 1.3 SG RCN ball sealers spaced evenly throughout job. Record injection rate and all breakdown pressures throughout job. Max pressure is 3800 psi. RD stimulation company. Unseat packer and TOOH.
10. RU wireline company. Under lubricator, RIH with junk basket to recover ball sealers. Run basket by perforations several times to ensure maximum ball recovery. POOH and RD wireline company. Record number of hits and balls recovered.
11. PU 4-1/2" packer on 2 jts of 2-7/8" tubing. TIH and set packer @ 60'. RU stimulation company. Hold safety meeting. Fracture stimulate Point Lookout and Lower Menefee according to following schedule. Shut down during pad and obtain ISIP. When one-half of flush volume is gone, slow rate by 50% to determine if well will be on vacuum. Adjust flush volume accordingly.

Stage	Prop Conc #/gal	Clean Vol. gals	Clean Vol. bbls	Proppant lbs	Slurry Rate bpm
Pad	0	20,000	476	0	60
2	0.5	40,000	953	20,000	60
3	1.0	20,000	476	40,000	60
4	1.5	35,000	833	52,500	60
5	2.0	25,000	595	50,000	60
Flush	0	3,432	82	0	60
Total		143,432	3,414	142,500	

Frac fluid should contain .33/1000 gals friction reducer.

12. Shutdown and record ISIP, 5, 10, 15 min shut-in pressures. RD stimulation company. Unseat packer packer and TOOH with packer and tubing.
13. RU wireline company. Under lubricator, RIH with 4-1/2" CIBP and set at 5170'. POOH. RD wireline company. PU 4-1/2" packer on 2 jts of 2-7/8" tubing. TIH and set packer @ 60'. RU stimulation company. Pressure test CIBP to 3800 psi for 15 minutes. Record results. Unseat packer and TOOH.

Cliff House and Upper Menefee Fracture Stimulation:

14. RU wireline company. RIH with 3-1/8" HSC casing gun. Perforate Lower Menefee and Point Lookout top down with 1 SPF, 0.34" diameter - 11.3" penetration charge at the following depths:

4814,	4819,	4824,	4917,	4921,	4925,	4930,	4956,	4960,	4975,
4979,	4985,	4989,	5006,	5061,	5092,	5121,	5130,	5134	

(9 total intervals, 19 total holes, 311' of gross interval)

POOH and RD wireline company.

15. PU 4-1/2" packer on 2 jts of 2-7/8" tubing. TIH and set packer @ 60'. RU stimulation company. Pressure test surface lines to 5000 psi. Prepare to breakdown and balloff w/ 2% KCL. Attempt to breakdown at 15 BPM. Drop a total of 40 7/8" 1.3 SG RCN ball sealers spaced evenly throughout job. Record injection rate and all breakdown pressures throughout job. Max pressure is 3800 psi. RD

stimulation company. Unseat packer and TOOH.

16. RU wireline company. Under lubricator, RIH with junk basket to recover ball sealers. Run basket by perforations several times to ensure maximum ball recovery. POOH and RD wireline company. Record number of hits and balls recovered.
17. PU 4-1/2" packer on 2 jts of 2-7/8" tubing. TIH and set packer @ 60'. RU stimulation company. Hold safety meeting. Fracture stimulate Cliff House and Upper Menefee according to following schedule. Shut down during pad and obtain ISIP. When one-half of flush volume is gone, slow rate by 50% to determine if well will be on vacuum. Adjust flush volume accordingly.

Stage	Prop Conc #/gal	Clean Vol. gals	Clean Vol. bbls	Proppant lbs	Slurry Rate bpm
Pad	0	15,000	357	0	40
2	0.5	30,000	714	15,000	40
3	1.0	15,000	357	15,000	40
4	1.5	25,000	595	37,500	40
5	2.0	20,000	476	40,000	40
Flush	0	3,056	73	0	40
Total		108,056	2,572	142,500	

Use friction reducer only as required.

18. Shutdown and record ISIP, 5, 10, 15 min shut-in pressures. RD stimulation company. Unseat packer packer and TOOH with packer and tubing. XO to 2-3/8" pipe rams and slips.
19. PU 3-7/8 and six drill collars on 2-3/8" tubing. Clean out to CIBP set at 5170'. Obtain pitot gauge. Drill out CIBP at 5170'. Clean out to CIBP set at 5550'. When sand and water rates are minimal obtain stabilized pitot gauges at 15, 30, 45, 60 min. Record on WIMS report. These pitot gauges will be used for commingling allocation.
20. Drill CIBP set at 5550'. Clean out to PBTD of 7657'. Clean up to BPH and trace to no sand. Obtain stabilized pitot gauges at 15, 30, 45, 60 min. Record on WIMS report. These pitot gauges will be used for commingling allocation. TOOH laying down 2-3/8" tubing and drill collars and drill bit.
21. XO to 1-1/2" pipe rams. PU 1-1/2" tubing. TIH with expendable check on bottom, one joint of tubing, 1.25" Model F profile nipple and remaining tubing. Land tubing at +/-7593'. RU sand line. Run broach on sand line to F nipple. RD sand line.
22. Nipple down BOP. Nipple up wellhead assembly. Pump of expendable check and flow well up tubing. Take final pitot gauge. RD and release rig.

Compiled By:

S. C. Woolverton
Production Engineer

Approved By:

T. D. Stice

Drilling Superintendent

Recommended Vendors:

Stimulation Services:

Halliburton (325-3575)

Engineer:

Sean Woolverton (H) 326-4525, (W) 326-9837,
(P) 326-8931

PERTINENT DATA SHEET
SAN JUAN 29-7 UNIT #123

Location: 950' FSL, 1520' FEL
Unit O, Section 26, T29N, R7W
Rio Arriba County, New Mexico

Field: Basin Dakota

Spud Date: 12/19/84
Completion Date: 03/19/85

Elevation: 6360' GL
LAT: 36° 41' 32"
LONG: 107° 32' 9"
DP#: 53762A
GW: 70.79% DK 62.52% MV
NRI: 57.73% DK 52.80% MV
TD: 7665'
PBTD: 7657'

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>
12-1/4"	9-5/8"	40#, N-80	243'	120 (144 FT3)	surface
8-3/4"	7"	20#, K-55	3523'	250 (365 FT3)	1800' (Temp Survey)
6-1/4"	4-1/2"	11.6, 10.5# K-55	7665'	340 (639 FT3)	4811' (Calc @ 75%)

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>BHA</u>
1-1/2"	2.9#, J-55	7593'	1-1/2" SN @ 7560'

Formation Tops:

Ojo Alamo	2306'	Chacra	4145'	Mancos	5832'
Kirtland	2402'	Mesaverde	4811'	Gallup	6351'
Fruitland	2862'	Menefee	4963'	Greenhorn	7298'
Pictured Cliffs	3172'	Point Lookout	5332'	Graneros	7356'
				Dakota	7513'

Logging Record:

Comp. Dens. Dual Neutron / Induction / Temp. Survey/Gamma Ray

Stimulation:

Perf'd @ 7407', 7410', 7412', 7419', 7421', 7424', 7427', 7430', 7438', 7441', 7443', 7518', 7522', 7525', 7526', 7592', 7595', 7598', 7620', 7624', w/1 SPZ. Breakdown and balloff w/ 1500 gals 15% HCL. Frac'd w/112,000# 20/40 sand, 85,956 gals of 50# gel wtr @ 25 BPM and 2910 PSI

Workover History:

NONE

Production History:

Latest Deliverability	67 MCFD	-0- BOPD
Initial Deliverability	957 MCFD	-0- BOPD
Cums:	441 MMCF	476 BO
ISITP:	2664 PSI on 3/19/85	
Last Test:	1012 PSI on 4/29/92	

Transporter:

Oil/Condensate: Giant Gas: El Paso

San Juan 29-7 Unit #123

Basin Dakota

Unit O, Section 26, T29N, R7W

Rio Arriba County, NM

Elevation: 6360' GL

LAT: 36°41' 32"

LONG: 107°32' 9"

date spud: 12-19-84

MV / DK Commingled
Proposed

Current

9-5/8" 40#, N-80
csg set @ 243'
w/120 sx
circ to surface

TOC @ 1800'
(Temp Survey)

7" 20#, K-55 csg set
@ 3523' w/250 sx

TOC @ 4811'
(Calc @ 75%)

1-1/2" 2.9#, J-55
tbg set @ 7593'

4-1/2" 11.6, 10.5# K-55
csg set @ 7665' w/340 sx

TD: 7665'
PBTD: 7657'

Formation Tops	
Ojo Alamo	@ 2306'
Kirtland	@ 2402'
Fruitland	@ 2862'
Pict'd Cliffs	@ 3172'
Chacra	@ 4145'
Mesaverde	@ 4811'
Menefee	@ 4963'
Pt Lookout	@ 5332'
Mancos	@ 5832'
Gallup	@ 6351'
Greenhorn	@ 7298'
Graneros	@ 7356'
Dakota	@ 7513'

Perfd @:
7407', 7410', 7412',
7419', 7421', 7424',
7427', 7430', 7438',
7441', 7443', 7518',
7522', 7525', 7526',
7592', 7595', 7598',
7620', 7624' w/1 SPZ
85,956 gals 50# gel wtr
112,000# 20/40 sand

1-1/2" 2.9#, J-55
tbg set @ 7593'

TD: 7665'
PBTD: 7657'

Proposed Completion:
2 Stage Slickwater Frac
4812' - 5507'

Perfd @:
7407', 7410', 7412',
7419', 7421', 7424',
7427', 7430', 7438',
7441', 7443', 7518',
7522', 7525', 7526',
7592', 7595', 7598',
7620', 7624' w/1 SPZ
85,956 gals 50# gel wtr
112,000# 20/40 sand