

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports of 07 APR 97 PM 2:52

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

1190' FSL, 1740' FEL, Sec. 11, T-27-N, R-5-W, NMPM

0

5. Lease Number
SF-079491
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 #105E
9. API Well No.
30-039-22435
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

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other -	

13. Describe Proposed or Completed Operations

It is intended to add the Mesaverde formation to the existing Dakota formation of 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.

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APR 25 1997

OIL CON. DIV.
DIST. 3

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

Signed *John J. Stauder* (JASPUD) Title Regulatory Administrator Date 4/14/97

(This space for Federal or State Office use)

APPROVED BY *AS/Duane W. Spencer* Title _____ Date APR 23 1997
CONDITION OF APPROVAL, if any:

E

NMOOD

✓

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1008 Rio Bravo Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Mineral & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088
FARMINGTON, NM

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 30-039-22435	Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7454	Property Name San Juan 27-5 Unit	Well Number 105E
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 7430'

10 Surface Location

UL or lot no. O	Section 11	Township 27-N	Range 5-W	Lot Idn	Feet from the 1190	North/South line South	Feet from the 1740	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 Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedication Acres
MV-E/320
DK-S/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

16

Not resurveyed, prepared
from a plat by Fred B.
Kerr Jr. dated 4-1-80.

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APR 25 1997
OIL CON. DIV.
DIST. 3

1190'

1740'

17 OPERATOR CERTIFICATION

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

Peggy Bradford
Signature
Peggy Bradford
Printed Name
Regulatory Administrator
Title
4-14-97
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
or under my supervision, and that the same is true and
correct to the best of my belief.

2/10/97

Date of Survey
Signature and Seal of Professional Surveyor
NEALE C. EDWARDS
NEW MEXICO
6867
Certification Number 0 Professional

BURLINGTON RESOURCES

San Juan 27-5 Unit #105E

Blanco Mesaverde R/C & Commingle w/ Dakota
Unit O, SE Section 11, T27N, R5W
Rio Arriba County, New Mexico
Lat: 36° 35' 3" Long: 107° 19' 26"

-
- 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.
 - 8,800' of 2-3/8" 4.7# EUE J-55 workstring and six (6) 3-1/8" drill collars (if necessary)
 - 2 joints of 2-7/8" J-55 or N-80 tubing
 - 21 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 52 MCFD/ <1 BOPD. Cumulative Dakota production is 900 MMCF and 6.5 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, rabbit, & strap 271 jts of 1-1/2" (J-55, 10RD, 2.9#) tubing @ 8639'. Visually inspect tubing, note and report any scale in tubing. Lay down bad joints. Tubing may be used for cleanout and rerun for production string if there is no scale or other problems.
3. Change rams to 2-3/8". PU 3-7/8" bit, 4-1/2" casing scraper, six (6) 3-1/8" drill collars (if necessary) and PU and strap 2-3/8", 4.7#, J-55, EUE workstring. Clean out w/ gas to PBTD @ 8695'. TOOH.
4. RU wireline. If tubing had appreciable scale when pulled from hole in Step 2., run 4-1/2" 11.6# - 3.875" WL gauge ring to 6750'. RIH and set 4-1/2" CIBP @ 6750'.
5. Load hole w/ 2% KCL water. Change out rams to 2-7/8". PU 4-1/2" pkr on 2 jts of 2-7/8" 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 6730' (20' above CIBP). Spot 500 gallons of 15% HCL with 2/1000 gal inhibitor. TOOH.
7. RU wireline under packoff. Run tie-in strip (CCL-GR). Perforate underbalanced Lower Menefee and Point Lookout @ the following depths with 3-1/8" HSC guns, 1 and 2 SPF, 12 gram charges (Owen HSC-3125 306T) and 0.29" diameter holes:

2 SPF 6727, 6671, 6640, 6605, 6590, 6574, 6566

7 Intervals - 14 Holes

1 SPF 6556, 6549, 6537, 6528, 6517, 6511, 6495, 6483,
6456, 6450, 6428, 6425, 6404, 6398, 6387, 6380,
6372, 6364

18 Intervals - 18 Holes

Total - 25 Intervals - 32 Holes

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/ 10,000# 40/70 Arizona sand and 110,000# 20/40 Arizona sand in slickwater with friction reducer as needed. 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 frac tanks needed for this stage)*
10. 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. When well dies, release packer and stand back.
11. RU wireline. If necessary, run 4-1/2" 11.6# - 3.875" WL gauge ring to 6310'. RIH and set 4-1/2" RBP @ 6310'. Spot 5-10' sand on RBP.
12. Load hole w/ 2% KCL water. PU 4-1/2" PKR on 2 jts of 2-7/8", J-55 or N-80 tubing/fracstring. Pressure test casing and CIBP to 3000 psi (62% of 4800 psi burst). Hold for 10 minutes. Release pressure and stand back packer.
13. Change to 2-3/8" rams. TIH open ended w/ 2-3/8" workstring. Blow down with gas going in hole. Blow hole dry @ 6300'. Spot 400 gallons of 15% HCL (w/ 2 gal/1000 corrosion inhibitor). TOOH.
14. RU wireline under packoff. Underbalance perforate the Cliffhouse and Menefee @ the following depths with a 3-1/8" HSC gun, 1 SPF, 12 gram charges (Owen HSC-3125 306T) and 0.29" diameter holes:

**1 SPF 6282, 6274, 6270, 6260, 6255, 6242, 6227, 6218, 6212,
6208, 6186, 6182, 6158, 6152, 6129, 6124, 6116, 6103,
6085, 6072, 6068, 6064, 6056, 6052, 6036, 6032, 6014,
5967, 5961, 5942**

30 Intervals - 30 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/ 10,000# 40/70 Arizona sand and 120,000# 20/40 Arizona sand in slickwater. If possible, when rate and pressure stabilize during pad shut down and obtain an 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. TIH w/ retrieving head on 2-3/8" tubing and clean out to RBP @ 6310'. Obtain pitot gauge if well cleans up quickly. Retrieve RBP @ 6310' and TOOH.

20. PU 3-7/8" bit and collars (if necessary) on 2-3/8" workstring and TIH. Clean out to CIBP @ 6750'. When sand and water rates are acceptable obtain pitot gauge. **Obtain 15, 30, 45 & 60 minute MV pitot gauges. These pitot gauges are required by the NMOCD for commingling approval.**
21. Drill CIBP @ 6750'. Clean out to PBTD @ 8695'. Clean up to +/- 5 BPH and trace to no sand. Obtain final commingled pitot gauge. **Obtain 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 1-1/2" tubing. Broach tubing while running in hole. Land tubing @ 8639' as removed from well.
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:  2/7/97
Regional Engineer

Approved:  2/12/97
Drilling Superintendent

Recommended Vendors:

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

TSS/JAS 

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PERTINENT DATA SHEET
SAN JUAN 27-5 UNIT #105E

<u>Location:</u>	1190' FSL, 1740' FEL Unit O, Section 11, T27N, R5W Rio Arriba County, New Mexico	<u>Elevation:</u>	7430' GL
<u>Field:</u>	Blanco Mesaverde/Basin Dakota	<u>LAT:</u>	36° 35' 3"
<u>TD:</u>	8702'	<u>LONG:</u>	107° 19' 26"
<u>PBTD:</u>	8695'	<u>DP#:</u>	52197A - DK 36591A - MV
<u>Spud Date:</u>	09/27/80	<u>GWI:</u>	55.02% (DK)
<u>Completion Date:</u>	06/03/81	<u>NRI:</u>	46.03% (DK)
		<u>GWI:</u>	67.46% (MV)
		<u>NRI:</u>	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>
12-1/4"	9-5/8"	40#, LSS	339'	225 (325 ft3)	surface
8-3/4"	7"	20 & 23#, KS	4602'	332 (625 ft3)	3700' (TS)
6-1/4"	4-1/2"	10.5#, K-55	6393'		
		11.6#, N-80	6393'-8702'	210 (298 ft3)	3950' (TS)
		Float collar @ 8695'			

Tubing Record:

	<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>BHA</u>
(271 JTS)	1-1/2"	2.9#, J-55	8639'	SN @ 8608'

Formation Tops:

Mesaverde	5932'	Gallup	7445'	Graneros	8436'
Menefee	6075'	Greenhorn	8377'	Dakota	8582'
Pt. Lookout	6434'				

Logging Record:

CDL-GR / IEL-GR / Temp Survey

Stimulation:

Dakota: Treated w/155,000# 20/40 sand & 36,550 water
Perfd: 8470', 8478', 8486', 8493', 8588', 8594', 8600', 8649', 8657', 8663', 8670', 8678', w/1 SPZ

Workover History:

NONE

Production History:

Latest Deliverability	52 MCFD	>1 BOPD
Initial Deliverability	447 MCFD	ISIP: 2360 (tbg)
Cums:	900 MMCF	6.5 MBO

Transporter:

Oil/Condensate: Giant Gas: Williams

San Juan 27-5 Unit #105E

Blanco Mesaverde/Basin Dakota

Unit O, Section 11, T27N, R5W

Rio Arriba County, NM

Elevation: 7430' GL

LAT: 36° 35' 3" / LONG: 107° 19' 26"

date spud: 09-27-80

