

submitted in lieu of Form 3160-5

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) 326-9200

4. Location of Well, Footage, Sec., T, R, M

1850' FSL, 790' FEL, Sec.26, T-26-N, R-5-W, NMPM

5. Lease Number

Jic Contract 153

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Jicarilla 153 #10

9. API Well No.

30-039-20062

10. Field and Pool

Blanco MV/Basin DK/
Tapacito Gallup

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 - Commingle

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to recomplete the subject well in the Mesaverde formation according to the attached procedure. The well will then be down hole commingled. DHC-2889 has been approved for the commingling.

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

Signed Patricia M. Hester (BBOPPS) Title Regulatory Supervisor Date 10/19/01
no

(This space for Federal or State Office use)

APPROVED BY Patricia M. Hester Title Lands and Mineral Resources Date NOV 2 2001

CONDITION OF APPROVAL, if any:

K

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

1 API Number		2 Pool Code		3 Pool Name	
30-039-20062		72319/58090/71599		Blanco Mesaverde/Tapacito Gallup/Basin Dakota	
4 Property Code		5 Property Name			6 Well Number
16579		Jicarilla 153			10
7 OGRID No.		8 Operator Name			9 Elevation
14538		Burlington Resources Oil & Gas Company LP			

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	26	26N	5W		1850'	South	790'	East	RA

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

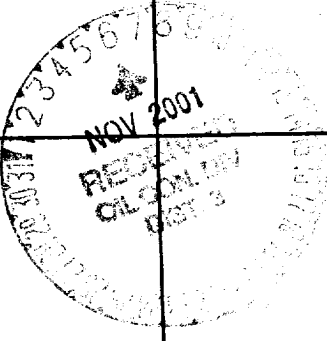
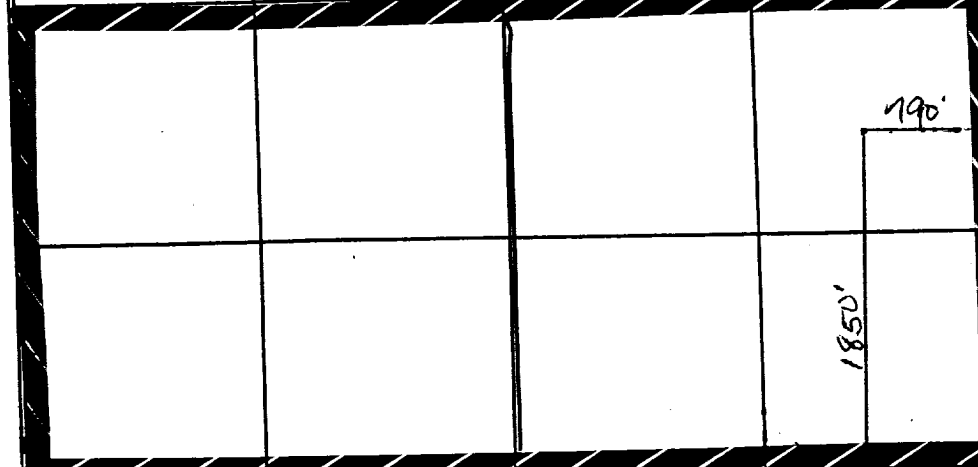
12 Dedicated Acres
Gal - 160
MV-DK S/320

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				17 OPERATOR CERTIFICATION			
				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief			
				Signature <u>Peggy Cole</u>			
				Printed Name <u>Peggy Cole</u>			
				Regulatory Supervisor Title <u>10-19-01</u>			
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 me or under my supervision, and that the same is true and correct to the best of my belief.			
				Date of Survey			
				Signature and Seal of Professional Surveyor:			
				Certificate Number			

Jicarilla 153 #10
Mesavered Recomplete and Mesaverde, Gallup, Dakota Tri-mingle Procedure
1850' FSL, 790' FEL
Unit I, Sec. 26, T-26-N, R-05-W
Rio Arriba County, NM

Project Summary:

The Jicarilla 153 #10 was originally completed in 1967 as a dual Gallup / Dakota well. The production streams from both formations were commingled in 1983. The Gallup completion is currently producing 0 MCFPD. The Dakota completion is currently producing +/- 88 MCFPD with cumulative recovery of 2,175 MMCF.

Note: Upon sundry approval, this well will replace Jicarilla 153 #12 (red on the rig schedule) for 2001. Jicarilla 153 #12 will be moved to 2002, contingent upon the production results of Jicarilla 153 #10.

Completion Procedure:

The following procedure details the proposed operations to add pay in the Mesaverde formation and commingle the production with the existing Gallup and Dakota production.

- Comply with all NMOC, BLM and BR regulations. Conduct daily safety meetings for all personnel on location. **Notify BR regulatory (Peggy Cole 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job and after CBL is run. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document the approval in Dims.** Allow adequate notice prior to the pump time for the Agency to witness the cementing operation.
 - Inspect location and wellhead and install rig anchors prior to rig move.
 - Construct blow pit.
1. MOL, hold safety meeting and RU completion rig. Insure all safety equipment is strategically located and functioning properly. NU relief lines to blow pit. Set frac tanks and fill with 2% KCl water. Blow well down and kill with 2% KCl water as necessary.
 2. ND wellhead. NU BOP, stripper head and blooie line. Test BOP.
 3. TOOH w/ 2-3/8", 4.7#, J-55 production string set at 7,417' (237 jts, SN at 7,384'). Inspect tubing and replace as necessary. Stand back 2-3/8" tubing.
 4. PU 4-3/4" bit on 2-3/8", 4.7#, J-55 tubing. TIH and cleanout to +/- 5,470'. TOOH.
 5. TIH with 5-1/2" CIBP on 2-3/8", 4.7#, J-55 tubing and set at 5,450.
 6. PU to 5,385'. Load hole with 2% KCl water. Close pipe rams and test CIBP and 5-1/2" casing to 4,050 psi (~85% of burst for 5-1/2", 15.5#, J-55 casing). Bleed off pressure. Spot 4 Bbls 15% HCl acid** over proposed Point Lookout perforation interval (5,296' – 5,385'). TOOH. ** 15% HCl acid to contain 2 gals of corrosion inhibitor per 1,000 gals of acid.
 7. NU Wireline Company. TIH with GR/CCL/CBL and run from PBTD at 5,450' to surface. Correlate depths with attached logs. Ensure that good cement bond and isolation exists across proposed Point Lookout (5,296' – 5,385') and Menefee (4,973' – 5,227') intervals. If not, contact drilling and engineering to discuss possible remedial action. TOOH. **Note: previous CBL run by Schlumberger in 1967 shows poor to no bond from 5,300' to surface. If this poor bond is confirmed, discuss with drilling and engineering squeezing and/or lowering the casing burst safety factor for the fracture stimulation.**

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POINT LOOKOUT:

8. TIH w/ 3-1/8" select fire HSC perforating gun with HSC-3125-306, 12.0 gram Owen charges (0.33" Entry hole; 15.43" penetration in concrete). Correlate GR/CBL/CCL log with attached open-hole log section and perforate the Point Lookout interval with 30 holes at the following depths (perforate "top" to "bottom"):

5296	5297	5298	5299	5300	5301	5302	5303	5304	5305
5306	5307	5308	5309	5310	5311	5325	5326	5327	5328
5345	5346	5347	5372	5373	5374	5382	5383	5384	5385

ND Wireline Company.

9. PU 5-1/2" packer on 2-3/8", 4.7#, J-55 tubing. TIH and set packer at +/-60'.
10. MIRU Stimulation Company. Hold safety meeting. Pressure test surface lines to 5,050 psi (1,000 psi over maximum treating pressure).
11. Breakdown Point Lookout perforations with 1,500 gals 15% HCl acid**. Drop 60 RCN 7/8" 1.3 specific gravity perf balls evenly spaced throughout job. Attempt to ball-off. Record ISIP. **Maximum surface treating pressure for breakdown and ball-off is 4,050 psi (~85% of burst for 5-1/2", 15.5#, J-55 casing).** ND Stimulation Company. ****15% HCl acid to contain 2 gals of corrosion inhibitor per 1000 gals of acid.**
12. Bleed off pressure. Release packer and TOOH w/ tubing and packer.
13. NU wireline. TIH with gauge ring and junk basket to +/- 5,400, knocking balls off of perfs. TOOH. ND Wireline Company
14. TIH with 5-1/2" packer on 2 joints of 2-3/8", 4.7#, J-55 tubing. Set packer at +/- 60'.
15. NU Stimulation Company. Hold safety meeting. Pressure test surface lines to 5,050 psi. Fracture stimulate the Point Lookout with 100,000 lbs 20/40 Arizona sand in 10,044 gals of 70Q foam at 50 BPM. Tag sand with 3 isotopes. **Maximum surface treating pressure during Fracture Treatment is 4,050 psi (~85% of Burst for 5-1/2", 15.5#, J-55 casing).** Anticipated surface treating pressure is 3,518 psi @ 50 BPM. Estimated tubing and perforation friction is 2,129 psi. Treat per the following schedule:

Stage	70Q Foam (gals)	Sand Volume (lbs)
Pad	10,000	
0.5 ppg	20,000	10,000
1.0 ppg	30,000	30,000
1.5 ppg	20,000	30,000
2.0 ppg	15,000	30,000
Flush (200' above top perf)	5,044	
Totals	100,044	100,000

Slow rate during flush. If well is on vacuum near end of frac job, cut flush as necessary to avoid over flushing.

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16. Record ISIP, 5, 10, and 15-minute shut-in pressure. ND Stimulation Company.
Note: Flow back Point Lookout overnight if timing permits between frac stages.
17. Bleed off pressure. Release packer. TOOH.
18. TIH with 5-1/2" CIBP on 2-3/8", 4.7#, J-55 tubing and set at 5,260'.
19. PU to 5,227. Close pipe rams and pressure test CIBP and 5-1/2" casing to 4,050 psi (~85% of burst for 4-1/2", 10.5#, J-55 casing). Bleed off pressure.
20. Spot 8 Bbls 15% HCl acid** over proposed Menefee perforation interval (4,973' – 5,227'). TOOH.
**** 15% HCl acid to contain 2 gals of corrosion inhibitor per 1000 gals of acid.**

MENEFEE:

21. NU Wireline Company. TIH w/ 3-1/8" select fire HSC perforating gun with HSC-3125-306, 12.0 gram Owen charges (0.33" Entry hole; 15.43" penetration in concrete). Correlate GR/CBL/CCL log with attached open-hole log section and perforate the Menefee interval with 30 holes at the following depths (perforate "top" to "bottom"):

4973	4974	5000	5001	5002	5003	5053	5054	5055	5056
5057	5124	5125	5126	5127	5128	5129	5130	5216	5217
5218	5219	5220	5221	5222	5223	5224	5225	5226	5227

ND Wireline Company.

22. PU 5-1/2" packer on a 2-3/8", 4.7#, J-55 tubing. TIH and set packer at +/- 60'.
23. RU stimulation company. Hold safety meeting. Pressure test surface lines to 5,050 psi (1000 psi over maximum treating pressure).
24. Breakdown Menefee perforations with 2,000 gals 15% HCl acid**. Drop 60 RCN 7/8" 1.3 specific gravity perf balls evenly spaced throughout job. Attempt to ball-off. Record ISIP. **Maximum surface treating pressure for breakdown and ball-off is 4,050 psi (~85% of burst for 5-1/2", 15.5#, J-55 casing).** ND Stimulation Company. ****15% HCl acid to contain 2 gals of corrosion inhibitor per 1000 gals of acid.**
25. Bleed off pressure. Release packer and TOOH w/ tubing and packer.
26. NU wireline. TIH with gauge ring and junk basket to +/- 5,240, knocking balls off of perfs. TOOH. RD Wireline Company.
27. TIH with 5-1/2" packer on 2 joints of 2-3/8", 4.7#, J-55 tubing. Set packer at +/- 60'.
28. NU Stimulation Company. Hold safety meeting. Pressure test surface lines to 5,050 psi. Fracture stimulate the Menefee with 100,000 lbs 20/40 Arizona sand in 99,721 gals of 70Q foam at 50 BPM. Tag sand with 3 isotopes. **Maximum surface treating pressure during Fracture Treatment is 4,050 psi (~85% of Burst for 5-1/2", 15.5#, J-55 casing).** Anticipated surface treating pressure is 3,576 psi @ 50 BPM. Estimated tubing and perforation friction is 1,995 psi. Treat per the following schedule:

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Stage	Water (gals)	Sand Volume (lbs)
Pad	10,000	
0.5 ppg	20,000	10,000
1.0 ppg	30,000	30,000
1.5 ppg	20,000	30,000
2.0 ppg	15,000	30,000
Flush (100' above top perf)	4,721	
Totals	99,721	100,000

Slow rate during flush. If well is on vacuum near end of frac job, cut flush as necessary to avoid over flushing.

29. Record ISIP, 5, 10, and 15-minute shut-in pressure. RD Stimulation Company.
30. Flow back through choke manifold & monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed.
31. When pressure allows, release 5-1/2" packer. TOOH.
32. TIH w/ 4-3/4" casing mill on 2-3/8", 4.7#, J-55 tubing and clean out to CIBP @ 5,260'. Blow well clean and monitor fluid rates until well is sufficiently clean (<2 BWPH). Take pitot gauge for the Menefee interval only
33. Drill out CIBP @ 5,260' and clean out to CIBP @ 5,450'. Blow well clean and monitor fluid rates until well is sufficiently clean (<2 BWPH), Take pitot gauge for the PL and Menefee intervals.
34. Drill out CIBP @ 5,450' and clean out to PBTD at 7,486' (existing Dakota perms 7,252' – 7,480'). Blow well clean and monitor fluid rates until well is sufficiently clean (<2 BWPH). Take pitot gauge for the PL, Menefee and Dakota intervals. TOOH.
35. TIH with an expendable check; 1 jt. of 2-3/8", 4.7#, J-55 tubing; S.N. w 1.78" ID; and half of the 2-3/8", 4.7#, J-55 production string. Run a broach on sand line to insure the tubing is clear.
36. TIH with remaining 2-3/8" tubing and broach this tubing. Replace any bad joints. CO to PBTD with air/mist. PU above perforations. Alternate blow and flow periods, making short trips for clean up as necessary.
37. Land tubing @ ±7,480'. ND BOP & NU wellhead & tree. Pump off check valve. Flow up tubing. Take final water rates and pitot gauge for gas rates.

 During work-over operations the reservoir may be charged with air. As a result of introducing air to the wellbore, excess oxygen levels may be in the reservoir and/or wellbore. Contact the Lease Operator to discuss the need for determining oxygen levels prior to returning the well to production.
38. Rig down & release rig. (Post frac tracer log will be run through tubing after the rig is off location).

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Recommend: 3C Bred 10-10-01
Production Engineer

Approve: W.S. Frit 10/16/01
Asset Manager

Approve: Bruce D. Borg 10-18-01
Drilling Manager

Regulatory: Sundry Notice Required

Yes X

No

Deanna Cale 10-19-01

Vendors:

Stimulation:

No Preference

Radioactive Tagging:

ProTechnics

326-7133

Production Engineer:	Brent Bundy	Office 326-9782	Pager 327-8903	Home 324-9013
Lease Operator:	Larry Nelson		Cell 320-2570	Pager 326-8470
Specialist:	Richard Lopez		Cell 320-6573	Pager 326-8681
Forman:	Ward Arnold	Office 326-9846	Cell 320-1689	Pager 326-8303

Jicarilla 153 #10
Unit I, Sec. 26, T-26-N, R-05-W
Rio Arriba County, New Mexico

CURRENT WELLBORE

POST-WORK WELLBORE

8-5/8", 24#, J-55 casing set @ 309'

2-3/8", 4.7#, J-55 tubing landed @ 7417'
SN set @ 7384'

DV Tool set @ 3253'

PROPOSED PAYADD:

Mesaverde (Menefee)
4,973' - 5,227' OA

Mesaverde (Point Lookout)
5,296' - 5,385' OA

DV Tool set @ 5472'

Existing Gallup (2 shots/ft)
6719' - 6725' OA

Existing Dakota (1 shot/ft)
7252' - 7270', 7280-7290, 7382-7400, 7416-7424,
7424-7426 (4 shots/ft), 7426-7436, 7468-7480

PBTD: 7486'
TD: 7517'

5-1/2", 15.5#, J-55 casing set @ 7517'