

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 11 2013

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.

NM -01772-A

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other ☐ Plug Back ☐ Diff. Resv. ☐ **Farmington Field Office**
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ **Bureau of Land Management**

Other:

2. Name of Operator

Burlington Resources Oil & Gas Company

3. Address

PO Box 4289, Farmington, NM 87499

3a. Phone No. (include area code)

(505) 326-9700

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

Report To Lease

8. Lease Name and Well No.

REID 22M

9. API Well No.

30-045-35359

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface

UNIT M (SW/SW), 990' FNL & 915' FWL

At top prod. Interval reported below

UNIT N (SE/SW), 762' FSL & 1918' FWL

At total depth

UNIT N (SE/SW), 762' FSL & 1918' FWL

14. Date Spudded

9/21/2012

15. Date T.D. Reached

10/16/2012

16. Date Completed

☐ D & A ☒ Ready to Prod.

01/21/2013 GRC

18. Total Depth:

MD

7040'

19. Plug Back T.D.:

MD

7004'

20. Depth Bridge Plug Set:

MD

TVD

6877'

TVD

6841'

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

GR/CCL/CBL

22. Was well cored?

☒ No ☐ Yes (Submit analysis)

Was DST run?

☒ No ☐ Yes (Submit report)

Directional Survey?

☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0	230'	n/a	76sx-Pre-mix	22bbls	Surface	7bbls
8 3/4"	7" / J-55	23#	0	4289'	1981'	589sx-Premium Lite	215bbls	Surface	86bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7025'	n/a	458sx-Premium Lite	153bbls	3850'	n/a

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8", 4.7#, L-80	6907'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Dakota	6920'	6976'	2SPF	.34"	12	open
B) Dakota	6826'	6912'	1SPF	.34"	30	open
C) Total					58	
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
6826' - 6976'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 170,380 gals 70Q Slick foam w/ 40,704# of 20/40 Brown sand. Pumped 106bbls of fluid. Total N2:2,598,800SCF.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/21/2013 GRC	01/24/2013	1hr.	5500 →	0/boph	45/mcf/h	trace/bwph	n/a	n/a	FLOWING
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	SI-773psi	SI-781psi	5500 →	0/bopd	1076/mcf/d	7/ bwpd	n/a	SHUT IN	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			5500 →						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
SI			5500 →						

*(See instructions and spaces for additional data on page 2)

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FEB 20 2013

FARMINGTON FIELD OFFICE
BY William Tambekou

NMOCDA

PC

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

TO BE SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem test, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Ojo Alamo	1256'	1419'	White, cr-gr ss	Ojo Alamo	1256'
Kirtland	1419'	2004'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1419'
Fruitland	2004'	2368'	Dk gry-gr carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2004'
Pictured Cliffs	2368'	2552'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2368'
Lewis	2552'	3396'	Shale w/ siltstone stringers	Lewis	2552'
Huerfanito Bentonite	n/a	n/a	White, waxy chalky bentonite	Huerfanito Bentonite	n/a
Chacra	3396'	3983'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3396'
Mesa Verde	3983'	4120'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3983'
Menefee	4120'	4728'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4120'
Point Lookout	4728'	5166'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4728'
Mancos	5166'	5922'	Dark gry carb sh.	Mancos	5166'
Gallup	5922'	6692'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5922'
Greenhorn	6692'	6755'	Highly calc gry sh w/ thin lmst.	Greenhorn	6692'
Graneros	6755'	6825'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6755'
Dakota	6825'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6825'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	

32. Additional remarks (include plugging procedure):

This is a Blanco Mesaverde, Basin Mancos & Basin Dakota commingle well under DHC4582.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print)

Arleen White

Title

Staff Regulatory Tech.

Signature

Arleen White

Date

2/11/13

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,

Other:

2. Name of Operator

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4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface

UNIT M (SW/SW), 990' FNL & 915' FEL

At top prod. Interval reported below

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At total depth

UNIT N (SE/SW), 762' FSL & 1918' FWL

14. Date Spudded

9/21/2012

15. Date T.D. Reached

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16. Date Completed

☐ D & A ☒ Ready to Prod.

01/21/2013 GRC

18. Total Depth:

MD

7040'

TVD

6877'

19. Plug Back T.D.:

MD

7004'

TVD

6841'

20. Depth Bridge Plug Set:

MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

GR/CCL/CBL

22. Was well cored?

☒ No ☐ Yes (Submit analysis)

Was DST run?

☒ No ☐ Yes (Submit report)

Directional Survey?

☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0	230'	n/a	76sx-Pre-mix	22bbls	Surface	7bbls
8 3/4"	7" / J-55	23#	0	4289'	1981'	589sx-Premium Lite	215bbls	Surface	86bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7025'	n/a	458sx-Premium Lite	153bbls	3850'	n/a

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8", 4.7#, L-80	6907'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Mancos	5928'	6222'	3SPF	.34"	60	open
A)						
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5928' - 6222'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 140,840 gals 70Q X-Link Foam w/ 158,095# of 20/40 Brown sand. Pumped 92bbls of fluid. Total N2:1,947,000SCF.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/21/2013 GRC	01/24/2013	1hr.	→	0/boph	12/mcf/h	1/bwph	n/a	n/a	FLOWING
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	SI-773psi	SI-781psi	→	0/bopd	277/mcf/d	17/bwpd	n/a		SHUT IN

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
SI			→						

*(See instructions and spaces for additional data on page 2)

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FARMINGTON FIELD OFFICE
BY William Tambekou

NMOCD A

PC

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

TO BE SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem test, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Ojo Alamo	1256'	1419'	White, cr-gr ss	Ojo Alamo	1256'
Kirtland	1419'	2004'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1419'
Fruitland	2004'	2368'	Dk gry-gr carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2004'
Pictured Cliffs	2368'	2552'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2368'
Lewis	2552'	3396'	Shale w/ siltstone stingers	Lewis	2552'
Huerfanito Bentonite	n/a	n/a	White, waxy chalky bentonite	Huerfanito Bentonite	n/a
Chacra	3396'	3983'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3396'
Mesa Verde	3983'	4120'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3983'
Menefee	4120'	4728'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4120'
Point Lookout	4728'	5166'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4728'
Mancos	5166'	5922'	Dark gry carb sh.	Mancos	5166'
Gallup	5922'	6692'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5922'
Greenhorn	6692'	6755'	Highly calc gry sh w/ thin lmst.	Greenhorn	6692'
Graneros	6755'	6825'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6755'
Dakota	6825'		Lt to dark gry foss carb sl calc slitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6825'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	

32. Additional remarks (include plugging procedure):

This is a Blanco Mesaverde, Basin Mancos & Basin Dakota commingle well under DHC4582.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print)

Arleen White

Title

Staff Regulatory Tech.

Signature

Arleen White

Date

2/11/13

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well		<input type="checkbox"/> Oil Well	<input checked="" type="checkbox"/> Gas Well	<input type="checkbox"/> Dry	<input type="checkbox"/> Other				
b. Type of Completion:		<input checked="" type="checkbox"/> New Well	<input type="checkbox"/> Work Over	<input type="checkbox"/> Deepen	<input type="checkbox"/> Plug Back				
2. Name of Operator Burlington Resources Oil & Gas Company									
3. Address PO Box 4289, Farmington, NM 87499			3a. Phone No. (include area code) (505) 326-9700						
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface UNIT M (SW/SW), 990' FNL & 915' FEL At top prod. interval reported below UNIT N (SE/SW), 762' FSL & 1918' FWL At total depth UNIT N (SE/SW), 762' FSL & 1918' FWL									
14. Date Spudded 9/21/2012		15. Date T.D. Reached 10/16/2012		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/17/2013 GRC					
18. Total Depth: MD 7040' TVD 6877'		19. Plug Back T.D.: MD 7004' TVD 6841'		20. Depth Bridge Plug Set: MD 7004' TVD 6841'					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/CCL/CBL			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)						
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0	230'	n/a	76sx-Pre-mix	22bbls	Surface	7bbls
8 3/4"	7" / J-55	23#	0	4289'	1981'	589sx-Premium Lite	215bbls	Surface	86bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7025'	n/a	458sx-Premium Lite	153bbls	3850'	n/a
24. Tubing Record						26. Perforation Record			
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2 3/8", 4.7#, L-80	6907'	n/a							
25. Producing Intervals						26. Perforation Record			
Formation	Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status		
A) Point Lookout	4734'	4984'	ISPF		.34"	25	open		
B) Menefee	4434'	4676'	ISPF		.34"	25			
C) TOTAL						50			
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
4734' - 4984'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 38,262 gals 70% Slick water N2 Foam w/ 100,417# of 20/40 Brady sand. Total N2:1,340,000SCF.							
4434' - 4676'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 23,352 gals 70% Slick water N2 Foam w/ 45,586# of 20/40 Brady sand. Total N2:1,035,200SCF.							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/17/2013 GRC	01/24/2013	1hr.	→	0/boph	12/mcf/h	4/bwph	n/a	n/a	FLOWING
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	SI-773psi	SI-781psi	→	0/bopd	297/mcf/d	98/ bwpd	n/a		SHUT IN
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
SI			→						

*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

FEB 20 2013

FARMINGTON FIELD OFFICE
BY William Lambekou

NMOCD A

PL

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

TO BE SOLD

30. Summary of Porous Zones (Include Aquifers):

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Pictured Cliffs	2368'	2552'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2368'
Lewis	2552'	3396'	Shale w/ siltstone stringers	Lewis	2552'
Huerfano Bentonite	n/a	n/a	White, waxy chalky bentonite	Huerfano Bentonite	n/a
Chacra	3396'	3983'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3396'
Mesa Verde	3983'	4120'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3983'
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Graneros	6755'	6825'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6755'
Dakota	6825'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6825'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	

32. Additional remarks (include plugging procedure):

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Title

Staff Regulatory Tech.

Signature

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