

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED

OMB No 1004-0137

Expires July 31, 2010

1a Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resrv
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

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

At surface UNIT N (SE/SW), 1253' FSL & 1952' FWL

At top prod Interval reported below

UNIT J (NW/SE), 1496' FSL & 2214' FEL

At total depth

UNIT J (NW/SE), 1496' FSL & 2214' FEL

14 Date Spudded

5/24/2012

15 Date T/D Reached

6/12/2012

16 Date Completed

☐ D & A ☒ Ready to Prod

09/07/2012 GRS

17 Elevations (DF, RKB, RT, GL)*

6729' GL / 6744' KB

18 Total Depth

MD

7720'

TVD

7516'

19 Plug Back T/D

MD

7684'

TVD

7480'

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 Sks & Type of Cement	Slurry Vol (BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0	322'	n/a	103sx-Pre-Mix	29bbbls	Surface	3bbbls
8 3/4"	7" / J-55	23#	0	4963'	n/a	652sx-Premium Lite	200bbbls	Surface	20bbbls
6 1/4"	4 1/2" / L-80	11.6#	0	7708'	n/a	216sx-Premium Lite	78bbbls	4240'	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	7560'	n/a						

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Dakota	7326'	7439'	1SPF	.34"	9	open
B) Dakota	7464'	7638'	2SPF	.34"	46	open
C) TOTAL					55	

27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
7326' - 7638'	Acidize w/ 10bbbls of 15% HCL. Frac'd w/ 41,034gals 70% Slickwater N2 Foam w/ 40,237# of 20/40 Brady sand. Total N2:2,459,600SCF.

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
9/07/2012 GRC	9/11/2012	1hr.		trace/boph	17/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"	SF-1334psi	SF-1150psi		10/bopd	414/mcf/d	88/ 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)

RECEIVED
SEP 26 2012
Farmington Field Office
Bureau of Land Management

ACCEPTED FOR RECORD

OCT 01 2012

FARMINGTON FIELD OFFICE

NMOCD

W

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	2397'	2570'	White, cr-gr ss	Ojo Alamo	2397'
Kirtland	2570'	2827'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	2570'
Fruitland	2827'	3050'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	2827'
Pictured Cliffs	3050'	3161'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	3050'
Lewis	3161'	3503'	Shale w/ siltstone stringers	Lewis	3161'
Huerfano Bentonite	3503'	3576'	White, waxy chalky bentonite	Huerfano Bentonite	3503'
Chacra	3576'	4533'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3576'
Mesa Verde	4533'	4797'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4533'
Menefee	4797'	5356'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4797'
Point Lookout	5356'	5681'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5356'
Mancos	5681'	6390'	Dark gry carb sh	Mancos	5681'
Gallup	6390'	7267'	Lt gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh	Gallup	6390'
Greenhorn	7267'	7321'	Highly calc gry sh w/ thin lmst	Greenhorn	7267'
Graneros	7321'	7377'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	7321'
Dakota	7377'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7377'
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 Dakota commingle well under DHC3686AZ.

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 Kellywood

Title

Staff Regulatory Tech

Signature

Arleen Kellywood

Date

9/26/12

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED

OMB No 1004-0137

Expires July 31, 2010

5 Lease Serial No

SF-079265

1a Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr

6 If Indian, Allottee or Tribe Name

7 Unit or CA Agreement Name and No

2 Name of Operator

Burlington Resources Oil & Gas Company

8 Lease Name and Well No

KLEIN 24P

3 Address
PO Box 4289, Farmington, NM 874993a Phone No (include area code)
(505) 326-9700

9 API Well No

30-039-31094

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

At surface UNIT N (SE/SW), 1253' FSL & 1952' FWL

At top prod Interval reported below

UNIT J (NW/SE), 1496' FSL & 2214' FEL

At total depth UNIT J (NW/SE), 1496' FSL & 2214' FEL

14 Date Spudded 5/24/2012 15 Date TD Reached 6/12/2012 16 Date Completed ☐ D & A ☒ Ready to Prod 09/07/2012 GRS

10 Field and Pool or Exploratory

BLANCO MESAVERDE
SURFACE: SEC: 34, T26N, R6W
BOTTOM: SEC: 34, T26N, R6W

11 Sec, T, R, M, on Block and Survey

12 County or Parish

Rio Arriba

13 State
New Mexico

17 Elevations (DF, RKB, RT, GL)*

6729' GL / 6744' KB

18 Total Depth MD 7720' TVD 7516' 19 Plug Back TD MD 7684' TVD 7480' 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 Sks & Type of Cement	Slurry Vol (BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0	322'	n/a	103sx-Pre-Mix	29bbbls	Surface	3bbbls
8 3/4"	7" / J-55	23#	0	4963'	n/a	652sx-Premium Lite	200bbbls	Surface	20bbbls
6 1/4"	4 1/2" / L-80	11.6#	0	7708'	n/a	216sx-Premium Lite	78bbbls	4240'	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	7560'	n/a						

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Point Lookout	5358'	5659'	1SPF	.34"	25	open
B) Menefee	5042'	5328'	1SPF	.34"	25	open
C) TOTAL					50	
D)						

27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
5358' - 5659'	Acidize w/ 10bbbls of 15% HCL. Frac'd w/ 37,926gals 70%Q N2 Slickwater N2 Foam w/ 102,390# of 20/40 Brady sand. Total N2:1,353,200SCF.
5042' - 5328'	Acidize w/ 10bbbls of 15% HCL. Frac'd w/ 22,050gals 70%Q N2 Slickwater N2 Foam w/ 48,273# of 20/40 Brady sand. Total N2:1,446,819SCF.

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
9/07/2012 GRC	9/11/2012	1hr.	→	trace/boph	155/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-1334psi	SI-1150psi	→	10/bopd	3729/mcf/d	88/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)

RECEIVED

SEP 26 2012

Farmington Field Office
Bureau of Land ManagementRECEIVED
OCT 3 12
BLM CHAS. DIV.
DIST. 5

ACCEPTED FOR RECORD

OCT 9 1 2012

FARMINGTON FIELD OFFICE

NMOC
AV

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	2397'	2570'	White, cr-gr ss	Ojo Alamo	2397'
Kirtland	2570'	2827'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	2570'
Fruitland	2827'	3050'	Dk gry-gr carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	2827'
Pictured Cliffs	3050'	3161'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	3050'
Lewis	3161'	3503'	Shale w/ siltstone stringers	Lewis	3161'
Huerfanto Bentonite	3503'	3576'	White, waxy chalky bentonite	Huerfanto Bentonite	3503'
Chacara	3576'	4533'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacara	3576'
Mesa Verde	4533'	4797'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4533'
Menefee	4797'	5356'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4797'
Point Lookout	5356'	5681'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5356'
Mancos	5681'	6390'	Dark gry carb sh	Mancos	5681'
Gallup	6390'	7267'	Lt gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh	Gallup	6390'
Greenhorn	7267'	7321'	Highly calc gry sh w/ thin lmst	Greenhorn	7267'
Graneros	7321'	7377'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	7321'
Dakota	7377'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7377'
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 Dakota commingle well under DHC3686AZ.

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 Kellywood

Title

Staff Regulatory Tech

Signature

Arleen Kellywood

Date

9/26/12

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