

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AMENDED

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

RECEIVED

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		5 Lease Serial No SF-079266							
b Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resrv., Other _____		6 If Indian, Allottee or Tribe Name							
2 Name of Operator Farmington Field Office Bureau of Land Management PO Box 4289, Farmington, NM 87499		7 Unit or CA Agreement Name and No							
3a Phone No (include area code) (505) 326-9700		8 Lease Name and Well No Vaughn 30P							
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface UNIT L (NW/SW), 2685' FSL & 1070' FWL At top prod. interval reported below UNIT F (SE/NW), 1501' FNL & 1782' FWL At total depth UNIT F (SE/NW), 1501' FNL & 1782' FWL		9 API Well No 30-039-30953							
14 Date Spudded 6/23/2012		10 Field and Pool or Exploratory Basin Dakota							
15 Date T D Reached 7/3/2012		11 Sec., T., R., M., on Block and Survey SURFACE: SEC: 28, T26N, R6W BOTTOM: SEC: 28, T26N, R6W							
16 Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/25/2012GRC		12 County or Parish Rio Arriba							
17 Elevations (DF, RKB, RT, GL)* 6436' GL / 6451' KB		13 State New Mexico							
18 Total Depth MD 7565' TVD 7287'		19 Plug Back T D MD 7535' TVD 7257'							
20 Depth Bridge Plug Set MD 7535' TVD 7257'		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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0	346'	n/a	249sx-Type III	57bbls	Surface	30bbls
8 3/4"	7" / J-55	23#	0	4851'	n/a	635sx-Premium Lite	228bbls	Surface	50bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7555'	n/a	216sx-Premium Lite	78bbls	4200'	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" / 4.7H/J-55	7229'	n/a							
25 Producing Intervals				26 Perforation Record					
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
Upper Dakota	7226'	7231'	12SPF	.34"	60	open			
Lower Dakota	7460'	7460'	2SPF	0.46	2	open			
27 Acid, Fracture, Treatment, Cement Squeeze, etc				Amount and Type of Material					
Depth Interval	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 6,720gals of 25# X-Link gel pre-pad w/ 149,520 gals of 70Q 25# X-Link Gel Foam w/ 201,113# of 20/40 Brown sand. Total N2: 3,572,300SCF.								
7226' - 7231'									
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
08/25/2012 GRC	8/30/2012	1hr.	→	trace/boph	11/mcf/h	trace/bwph	n/a	n/a	FLOWING
Choke Size	Fig. Press Flwg.	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	SI-453psi	SI-705psi	→	4/bopd	257/mcf/d	8/ bwpd	n/a		OIL CONS. DIV.
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	Fig. Press Flwg.	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						SHUT IN

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

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OCT 09 2012

NMOCD A

FARMINGTON FIELD OFFICE
BY T.L. Salyers

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	2177'	2344'	White, cr-gr ss	Ojo Alamo	2177'
Kirtland	2344'	2644'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	2344'
Fruitland	2644'	2848'	Dk gry-gry carb sh, coal, gm silts, light-med gry, tight, fine gr ss	Fruitland	2644'
Pictured Cliffs	2848'	3018'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	2848'
Lewis	3018'	3288'	Shale w/ siltstone stringers	Lewis	3018'
Huerfano Bentonite	3288'	3386'	White, waxy chalky bentonite	Huerfano Bentonite	3288'
Chacra	3386'	4563'	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Chacra	3386'
Mesa Verde	4563'	4638'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4563'
Menefee	4638'	5174'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4638'
Point Lookout	5174'	5638'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5174'
Mancos	5638'	6243'	Dak gry carb sh.	Mancos	5638'
Gallup	6243'	7103'	Lt gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh	Gallup	6243'
Greenhorn	7103'	7154'	Highly calc gry sh w/ thin lnst	Greenhorn	7103'
Graneros	7154'	7208'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	7154'
Dakota	7208'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7208'
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 DHC3405AZ.

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)*

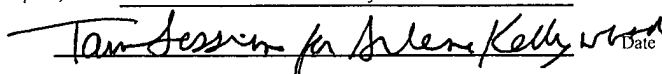
Name (please print)

Arleen Kellywood

Title

Staff Regulatory Tech

Signature



Date

7-21-12

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

AMENDED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
Bureau of Land Management1. Name of Well: **Oil Well** ☒ **Gas Well** ☐ **Dry** ☐ **Other** ☐
2. Type of Completion: ☒ **New Well** ☐ **Work Over** ☐ **Deepen** ☐ **Plug Back** ☐ **Diff. Resvr.**3. Name of Operator: **SEP 21 2012****Burlington Resources Oil & Gas Company**3. Address: **Farmington Field Office, Farmington, NM 87499**3a. Phone No. (include area code): **(505) 326-9700**

4. Location of Well (from 2007 map) and in accordance with Federal requirements)*

At surface

UNIT L (NW/SW), 2685' FSL & 1070' FWL

At top prod. Interval reported below

UNIT F (SE/NW), 1501' FNL & 1782' FWL

At total depth

UNIT F (SE/NW), 1501' FNL & 1782' FWL

14. Date Spudded 6/23/2012	15. Date T D Reached 7/3/2012	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 08/24/2012GRC	17. Elevations (DF, RKB, RT, GL)* 6436' GL / 6451' KB
18. Total Depth MD 7565' TVD 7287'	19. Plug Back T D MD 7552' TVD 7257'	20. Depth Bridge Plug Set MD 7552' TVD 7257'	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)		22. Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report)	
22. 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	346'	n/a	249sx-Type III	57bbls	Surface	30bbls
8 3/4"	7" / J-55	23#	0	4851'	n/a	635sx-Premium Lite	228bbls	Surface	50bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7555'	n/a	216sx-Premium Lite	78bbls	4200'	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" / 4.7H/J-55	7229'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Point Lookout	5206'	5563'	ISPF	.34"	25	open
B) Menefee	4868'	5162'	ISPF	.34"	25	open
C)						
D)						

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

Depth Interval	Amount and Type of Material
5206' - 5563'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 119,840gals 70% Quality N2 Slick foam w/ 105,731# of 20/40 Brown sand. Total N2:1,591,000SCF.
4868' - 5162'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 65,520gals 70% Quality N2 Slick foam w/ 65,731# of 20/40 Brown sand. Total N2:1,188,200SCF.

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
08/24/2012 GRC	8/30/2012	1hr.	→	trace/boph	22/mcf/h	trace/bwph	n/a	n/a	RCVD OCT 11 '12 FLOWING
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	OIL CONS. DIV.
1/2"	SI-453psi	SI-705psi	→	6/bopd	522/mcf/d	16/ bwph	n/a		SHUTINCT 2

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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OCT 09 2012

FARMINGTON FIELD OFFICE
BY TL Salazar

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	2177'	2344'	White, cr-gr ss	Ojo Alamo	2177'
Kirtland	2344'	2644'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2344'
Fruitland	2644'	2848'	Dk gry-gry carb sh, coal, gm silts, light-med gry, tight, fine gr ss.	Fruitland	2644'
Pictured Cliffs	2848'	3018'	Bn-Gry, fine gm, tight ss	Pictured Cliffs	2848'
Lewis	3018'	3288'	Shale w/ siltstone stringers	Lewis	3018'
Huerfano Bentonite	3288'	3386'	White, waxy chalky bentonite	Huerfano Bentonite	3288'
Chacra	3386'	4563'	Gry fn gm silty, glauconitic sd stone w/ dk gry shale	Chacra	3386'
Mesa Verde	4563'	4638'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4563'
Menefec	4638'	5174'	Med-dark gry, fine gr ss, carb sh & coal	Menefec	4638'
Point Lookout	5174'	5638'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5174'
Mancos	5638'	6243'	Dark gry carb sh	Mancos	5638'
Gallup	6243'	7103'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ ineg. interbed sh	Gallup	6243'
Greenhorn	7103'	7154'	Highly calc gry sh w/ thin lmst	Greenhorn	7103'
Graneros	7154'	7208'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	7154'
Dakota	7208'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7208'
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32 Additional remarks (include plugging procedure)

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 ☐ Other

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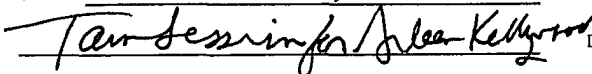
Name (please print)

Arleen Kellywood

Title

Staff Regulatory Tech.

Signature



Date

9-21-12

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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b. Type of Completion		<input checked="" type="checkbox"/> New Well	<input type="checkbox"/> Work Over	<input type="checkbox"/> Deepen	<input type="checkbox"/> Plug Back				
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 L (NW/SW), 2685' FSL & 1070' FWL At top prod. Interval reported below UNIT F (SE/NW), 1501' FNL & 1782' FWL At total depth UNIT F (SE/NW), 1501' FNL & 1782' FWL									
14. Date Spudded 6/23/2012		15. Date T.D. Reached 7/3/2012		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 08/27/2012GRC					
18. Total Depth MD 7565' TVD 7287'		19. Plug Back T.D. MD 7535' TVD 7257'		20. Depth Bridge Plug Set MD 7535' TVD 7257'					
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)					
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24. Tubing Record						25. Producing Intervals			
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2 3/8" / 4.7H/J-55	7229'	n/a							
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Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
A) Upper Dakota		7226'	7231'	12SPF		.34"	60	open	
B) Lower Dakota		7460'	7460'	2SPF		0.46	2	open	
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval		Amount and Type of Material							
7226' - 7231'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 6,720gals of 25# X-Link gel pre-pad w/ 149,520 gals of 70Q 25# X-Link Gel Foam w/ 201,113# of 20/40 Brown sand. Total N2: 3,572,300SCF.							
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08/27/2012 GRC	8/30/2012	1hr.	→	trace/boph	11/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-453psi	SI-705psi	→	4/bopd	257/mcf/d	8/ 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	SI		→						

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

ACCEPTED FOR RECORD

SEP 19 2012

FARMINGTON FIELD OFFICE
BY T. Salyers

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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

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Pictured Cliffs	2848'	3018'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	2848'
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Chacra	3386'	4563'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3386'
Mesa Verde	4563'	4638'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4563'
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Gallup	6243'	7103'	Lt gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh	Gallup	6243'
Greenhorn	7103'	7154'	Highly calc gry sh w/ thin lmst	Greenhorn	7103'
Graneros	7154'	7208'	Dk gry shale, fossil & carb w/ pynte incl.	Graneros	7154'
Dakota	7208'		Lt to dark gry foss carb sl calc sl silty ss w/ pynte incl thin sh bands cly Y shale breaks	Dakota	7208'
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 DHC3405AZ.

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

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 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

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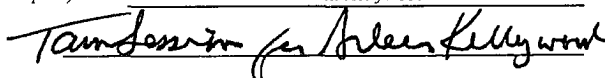
Name (please print)

Aileen Kellywood

Title

Staff Regulatory Tech

Signature



Date

9/17/12

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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, 20101a Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other ☐ Plug Back ☐ Diff. Resrv.
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen

Other

2 Name of Operator

Burlington Resources Oil & Gas Company

3 Address
PO Box 4289, Farmington, NM 87499

3a Phone No (include area code)

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

At surface

UNIT L (NW/SW), 2685' FSL & 1070' FWL

At top prod. Interval reported below

UNIT F (SE/NW), 1501' FNL & 1782' FWL

At total depth

UNIT F (SE/NW), 1501' FNL & 1782' FWL

14. Date Spudded

6/23/2012

15. Date T D Reached

7/3/2012

16. Date Completed

☐ D & A ☒ Ready to Prod

08/24/2012 GRC

18 Total Depth

MD

7565'

19 Plug Back T D

MD

7552'

20 Depth Bridge Plug Set

MD

TVD

7287'

TVD

7257'

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" / 11-40	32.3#	0	346'	n/a	249sx-Type III	57bbls	Surface	30bbls
8 3/4"	7" / J-55	23#	0	4851'	n/a	635sx-Premium Lite	228bbls	Surface	50bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7555'	n/a	216sx-Premium Lite	78bbls	4200'	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# / J-55	7229'	n/a						

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Point Lookout	5206'	5563'	ISPF	.34"	25	open
B) Menefee	4868'	5162'	ISPF	.34"	25	open
C)						
D)						

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

Depth Interval	Amount and Type of Material
5206' - 5563'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 119,840gals 70% Quality N2 Slick foam w/ 105,731# of 20/40 Brown sand. Total N2: 1,591,000SCF.
4868' - 5162'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 65,520gals 70% Quality N2 Slick foam w/ 65,731# of 20/40 Brown sand. Total N2: 1,188,200SCF.

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
08/24/2012 GRC	8/30/2012	1hr.	→	trace/boph	22/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-453psi	SI-705psi	→	6/bopd	522/mcf/d	8/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)

NMOC

AV

ACCEPTED FOR RECORD

SEP 19 2012

FARMINGTON FIELD OFFICE
BY T. Salyers

TS

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	2177'	2344'	White, cr-gr ss	Ojo Alamo	2177'
Kiltland	2344'	2644'	Gry sh interbedded w/tight, gry, fine-gr ss	Kiltland	2344'
Fruitland	2644'	2848'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	2644'
Pictured Cliffs	2848'	3018'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	2848'
Lewis	3018'	3288'	Shale w/ siltstone stringers	Lewis	3018'
Huerfano Bentonite	3288'	3386'	White, waxy chalky bentonite	Huerfano Bentonite	3288'
Chacra	3386'	4563'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3386'
Mesa Verde	4563'	4638'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4563'
Menefee	4638'	5174'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4638'
Point Lookout	5174'	5638'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5174'
Mancos	5638'	6243'	Dark gry carb sh	Mancos	5638'
Gallup	6243'	7103'	Lt gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh	Gallup	6243'
Greenhorn	7103'	7154'	Highly calc gry sh w/ thin fmst	Greenhorn	7103'
Graneros	7154'	7208'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	7154'
Dakota	7208'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands	Dakota	7208'
Morrison			clay Y shale breaks	Morrison	
			Interbed grn, brn & red waxy sh & fine to coars grn ss		

32. Additional remarks (include plugging procedure).

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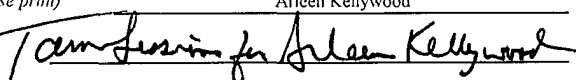
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