

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAY 13 2013

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
Farmington Field Office  
Bureau of Land Management

5. Lease Serial No.  
**SF-080511**

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

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 J (NWSE), 1600' FSL & 1786' FEL**

At top prod. Interval reported below

**Unit I, (NESE), 1455' FSL & 907' FEL**

At total depth

**Unit I (NESE), 1455' FSL & 907' FEL**

14. Date Spudded

**12/26/2012**

15. Date T.D. Reached

**1/26/2013**

16. Date Completed

☐ D & A ☒ Ready to Prod.

GRS

**4/30/2013**

18. Total Depth:

MD

**6940**

19. Plug Back T.D.:

MD

**6909'**

20. Depth Bridge Plug Set:

MD

TVD

**6771**

TVD

**6740'**

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	229'	n/a	127 sx Premium Lite	35 bbls	Surface	1/4 bbl
8 3/4"	7" / J-55	23#	0	4211'	n/a	553 sx Premium Lite	199 bbls	Surface	64 bbls
6 1/4"	4 1/2" / L-80	11.6#	0	6931'	n/a	213 s x Premium Lite	77 bbls	3200'	n/a

RCVD MAY 15 '13  
OIL CONS. DIV.

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	6807'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Dakota	6818'	6878'	2 spf	.34"	36	open
B) Dakota	6728'	6826'	1 spf	.34"	22	open
C)						
D) Total MV Perfs					58	

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

Depth Interval	Amount and Type of Material
6728' - 6878'	Acid - 10 bbls 15% HCL; Frac - 131,600 gal 70 Q N2 Slickfoam w/41,067# 20/40 Brown sand & 2,172,000 scf N2

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
4/30/13 GRS	5/3/2013	1hr.	→	1 bph	11 mcfh	1 bwph			
Choke Size	Tbg. Press. Flwg.	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	SI-1145 psi	SI 958 psi	→	23 bopd	254 mcfh	25 bwph		SI waiting on ND C104	

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. SI	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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MAY 13 2013

FARMINGTON FIELD OFFICE  
BY William Tambekou

## 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	1424'	1594'	White, cr-gr ss	Ojo Alamo	1424'
Kirtland	1594'	2023'	Gry sh interbedded w/tight, gry, fine-gr ss. LK gry-gry caro sh, coal, gm silts, light-med gry,	Kirtland	1594'
Fruitland	2023'	2309'	tight, fine gr ss.	Fruitland	2023'
Pictured Cliffs	2309'	2493'	Bn-Gry, fine gm, tight ss.	Pictured Cliffs	2309'
Lewis	2493'	3396'	Shale w/ siltstone stringers	Lewis	2493'
Huerfanito Bentonite	2836'	n/a	White, waxy chalky bentonite	Huerfanito Bentonite	2836'
Chacra	3266'	4002'	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Chacra	3266'
Mesa Verde	4002'	4019'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4002'
Menefee	4019'	4660'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4019'
Point Lookout	4660'	5061'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4660'
Mancos	5061'	5798'	Dark gry carb sh.	Mancos	5061'
Gallup	5798'	6612'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5798'
Greenhorn	6612'	6669'	Highly calc gry sh w/ thin lmst.	Greenhorn	6612'
Graneros	6669'	6725'	Dk gry shale, fossil & carb w/ pyrite incl. Lt to dark gry ross caro si calc si silty ss w/ pyrite	Graneros	6669'
Dakota	6725'		incl thin sh bands cly Y shale breaks	Dakota	6725'
Morrison			interbed gm, brn & red waxy sh & fine to coard gm s	Morrison	

32. Additional remarks (include plugging procedure):

**This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3732AZ**

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)

Patsy Clugston

Title

Staff Regulatory Tech.

Signature

Date

5/10/2013

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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## 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. <b>SF-080511</b>							
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. Resvr., Other: _____		6. If Indian, Allottee or Tribe Name							
2. Name of Operator <b>Burlington Resources Oil &amp; Gas Company</b>		7. Unit or CA Agreement Name and No. <b>Report To Lease</b>							
3. Address <b>PO Box 4289, Farmington, NM 87499</b>		8. Lease Name and Well No. <b>Harrington #9N</b>							
3a. Phone No. (include area code) <b>(505) 326-9700</b>		9. API Well No. <b>30-039-31140 - 00C2</b>							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface <b>Unit J (NWSE), 1600' FSL &amp; 1786' FEL</b> At top prod. Interval reported below <b>Unit I, (NESE), 1455' FSL &amp; 907' FEL</b> At total depth <b>Unit I (NESE), 1455' FSL &amp; 907' FEL</b>		10. Field and Pool or Exploratory <b>Blanco Mesaverde</b>							
14. Date Spudded <b>12/26/2012</b>		11. Sec., T., R., M., on Block and Survey or <b>SURFACE &amp; BH: SEC: 31, T27N, R7W</b>							
15. Date T.D. Reached <b>1/26/2013</b>		12. County or Parish <b>Rio Arriba</b>							
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <b>GRS 4/30/2013</b>		13. State <b>New Mexico</b>							
17. Elevations (DF, RKB, RT, GL)* <b>5745' GL; 5760' KB</b>									
18. Total Depth: MD <b>6940</b> TVD <b>6771</b>		19. Plug Back T.D.: MD <b>6909'</b> TVD <b>6740'</b>							
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>GR/CCL/CBL</b>							
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	229'	n/a	127 sx Premium Lite	35 bbls	Surface	1/4 bbl
8 3/4"	7" / J-55	23#	0	4211'	n/a	553 sx Premium Lite	199 bbls	Surface	64 bbls
6 1/4"	4 1/2" / L-80	11.6#	0	6931'	n/a	213 s x Premium Lite	77 bbls	3200'	n/a
RCVD MAY 15 '13 OIL CONS. DIV.									
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	6807'	n/a							
25. Producing Intervals									
Formation	Top	Bottom	26. Perforation Record						
A) Pt. Lookout	4664'	4972'	Perforated Interval						
B) Menefee	4396'	4610'	Size						
C)			No. Holes						
D) Total MV Perfs			Perf. Status						
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
4664' - 4972'	Acid - 10 bbls 15% HCL; Frac - 123,774 gal 70 Q N2 Slickfoam w/103,607# 20/40 Brown sand & 1,222,900 scf N2								
4396' - 4610'	Acid - 10 bbls 15% HCL; Frac - 78,260 gal 70 Q Slickfoam w/49,225# 20/40 Brown sand & 978,800 scf N2								
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
4/30/13 GRS	5/3/2013	1hr.	→	2 bph	32 mcfh	1 bwph			
Choke Size	Tbg. Press. Flwg.	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	SI-1145 psi	958 psi	→	51 bopd	760 mcfh	25 bwph		SI waiting on ND C104	
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

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MAY 13 2013

FARMINGTON FIELD OFFICE  
BY William Tambekou

## 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	1424'	1594'	White, cr-gr ss	Ojo Alamo	1424'
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Fruitland	2023'	2309'	Bn-Gry, fine gm, tight ss.	Fruitland	2023'
Pictured Cliffs	2309'	2493'	Shale w/ siltstone stringers	Pictured Cliffs	2309'
Lewis	2493'	3396'	White, waxy chalky bentonite	Lewis	2493'
Huerfano Bentonite	2836'	n/a	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Huerfano Bentonite	2836'
Chacra	3266'	4002'	Light gry, med-fine gr ss, carb sh & coal	Chacra	3266'
Mesa Verde	4002'	4019'	Med-dark gry, fine gr ss, carb sh & coal	Mesa Verde	4002'
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Gallup	5798'	6612'	Highly calc gry sh w/ thin lmst.	Gallup	5798'
Greenhorn	6612'	6669'	Dk gry shale, fossil & carb w/ pyrite incl.	Greenhorn	6612'
Graneros	6669'	6725'	Lt to dark gry to ss carb si calc si silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Graneros	6669'
Dakota	6725'		interbed gm, brn & red waxy sh & fine to coard gm s	Dakota	6725'
Morrison				Morrison	

32. Additional remarks (include plugging procedure):

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