

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

APR 23 2013

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			3a. Phone No. (include area code)						
PO Box 4289, Farmington, NM 87499			(505) 326-9700						
4. Location of Well (Report location clearly and in accordance with Federal requirements)*									
At surface									
UNIT D (NW/NW), 755' FNL & 660' FWL									
At top prod. Interval reported below									
At total depth									
14. Date Spudded		15. Date T.D. Reached		16. Date Completed					
12/20/2012		1/13/2013		<input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/01/2013 GRC					
18. Total Depth:		7243'		19. Plug Back T.D.:					
MD		TVD		MD 7214'					
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 checked="" type="checkbox"/> No <input 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 Cement 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	5bbls
8 3/4"	7" / J-55	23#	0	4622'	n/a	643sx-Premium Lite	232bbls	100'	n/a
6 1/4"	4 1/2" / L-80	11.6#	0	7241'	n/a	198sx-Premium Lite	72bbls	2830'	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	7104'	n/a							
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Dakota	7150'	7214'	2SPF	.34"	32	open			
B) Dakota	7062'	7138'	1SPF	.34"	23	open			
C) Total					55				
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
7062' - 7214'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 40,404gals 70% Slickwater N2 foam w/ 40,282# of 20/40 Brady sand. Total N2: 2,416,300SCF.							
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
04/01/2013 GRC	4/4/2013	1hr.	→	0/boph	26/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-568psi	SI-560psi	→	0/bopd	612/mcf/d	4/ 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)

APR 23 2013

APR 23 2013

NMOC

FARMINGTON FIELD OFFICE
BY William Tambekou

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	1416'	1554'	White, cr-gr ss	Ojo Alamo	1416'
Kirtland	1554'	2345'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1554'
Fruitland	2345'	2724'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2345'
Pictured Cliffs	2724'	2884'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2724'
Lewis	2884'	3437'	Shale w/ siltstone stringers	Lewis	2884'
Huerfano Bentonite	3437'	3696'	White, waxy chalky bentonite	Huerfano Bentonite	3437'
Chacra	3696'	4222'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3696'
Mesa Verde	4222'	4472'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4222'
Menefee	4472'	4961'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4472'
Point Lookout	4961'	5330'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4961'
Mancos	5330'	6223'	Dark gry carb sh.	Mancos	5330'
Gallup	6223'	6954'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6223'
Greenhorn	6954'	7009'	Highly calc gry sh w/ thin lmst.	Greenhorn	6954'
Graneros	7009'	7060'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7009'
Dakota	7060'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7060'
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 DHC3375AZ.

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

4/23/13

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

APR 23 2013

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-077282	
b. Type of Completion:		<input checked="" type="checkbox"/> New Well	<input type="checkbox"/> Work Over	<input type="checkbox"/> Deepen	<input type="checkbox"/> Plug Back	6. If Indian, Allottee or Tribe Name	
Other:						7. Unit or CA Agreement Name and No. Report To Lease	
2. Name of Operator Burlington Resources Oil & Gas Company						8. Lease Name and Well No. Grenier A 4M	
3. Address PO Box 4289, Farmington, NM 87499				3a. Phone No. (include area code) (505) 326-9700		9. API Well No. 30-045-35106 - 0002	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface UNIT D (NW/NW), 755' FNL & 660' FWL At top prod. Interval reported below At total depth						10. Field and Pool or Exploratory Blanco Mesaverde	
14. Date Spudded 12/20/2012						15. Date T.D. Reached 1/13/2013	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/28/2013 GRC						17. Elevations (DF, RKB, RT, GL)* 6131' GL / 6146' KB	
18. Total Depth: MD 7243'		19. Plug Back T.D.: MD 7214'		20. Depth Bridge Plug Set: MD TVD		11. Sec., T., R., M., on Block and Survey (SURFACE: SEC: 26, T30N, R10W)	
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 checked="" type="checkbox"/> No <input 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	5bbls
8 3/4"	7" / J-55	23#	0	4622'	n/a	643sx-Premium Lite	232bbls	100'	n/a
6 1/4"	4 1/2" / L-80	11.6#	0	7241'	n/a	198sx-Premium Lite	72bbls	2830'	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	7104'	n/a							

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) Point Lookout	4962'	5284'		ISPF	.34"	25	open
B) Menefee	4712'	4870'		ISPF	.34"	25	open
C) Total						50	
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, etc.		Amount and Type of Material	
Depth Interval			
4962' - 5284'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 53,844gals 70% Slickwater N2 foam w/ 150,598# of 20/40 Brady sand. Total N2: 1,893,900SCF.	
4712' - 4870'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 41,370gals 70% Slickwater N2 foam w/ 49,860# of 20/40 Brady sand. Total N2: 1,517,300SCF.	

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
03/28/2013 GRC	4/4/2013	1hr.	→	0/boph	38/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-568psi	SI-560psi	→	0/bopd	918/mcf/d	5/ 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)

COPIED FOR RECORD

NMOC
FY

APR 23 2013

FARMINGTON FIELD OFFICE
BY William Tambekou

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	1416'	1554'	White, cr-gr ss	Ojo Alamo	1416'
Kirtland	1554'	2345'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1554'
Fruitland	2345'	2724'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2345'
Pictured Cliffs	2724'	2884'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2724'
Lewis	2884'	3437'	Shale w/ siltstone stingers	Lewis	2884'
Huerfano Bentonite	3437'	3696'	White, waxy chalky bentonite	Huerfano Bentonite	3437'
Chacra	3696'	4222'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3696'
Mesa Verde	4222'	4472'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4222'
Menefee	4472'	4961'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4472'
Point Lookout	4961'	5330'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4961'
Mancos	5330'	6223'	Dark gry carb sh.	Mancos	5330'
Gallup	6223'	6954'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6223'
Greenhorn	6954'	7009'	Highly calc gry sh w/ thin lmst.	Greenhorn	6954'
Graneros	7009'	7060'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7009'
Dakota	7060'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7060'
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 DHC3375AZ.

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

4/23/13

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.