

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 <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. Resvr.										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. Vaughn 32N	
3. Address PO Box 4289, Farmington, NM 87499										9. API Well No. 30-039-30983 - 0001	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Unit F (SENW), 1790' FNL & 1740' FWL,										10. Field and Pool or Exploratory Basin Dakota	
At surface Same as above										11. Sec., T., R., M., on Block and Survey o SURFACE: SEC: 29, T26N, R6W	
At top prod. Interval reported below Same as above										12. County or Parish Rio Arriba	
At total depth Same as above										13. State New Mexico	
14. Date Spudded 1/15/2013										15. Date T.D. Reached 2/9/2013	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.										17. Elevations (DF, RKB, RT, GL)* 6764' GL; 6779' KB	
18. Total Depth: MD 7607' TVD										19. Plug Back T.D.: MD 7574' TVD	
20. Depth Bridge Plug Set: MD 7574' TVD										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	22bbbls	Surface	5 bbls		
8 3/4"	7" / J-55	20# / 23#	0	4720'	n/a	765 sx Premium Lite	277 bbls	Surface	100 bbls		
6 1/4"	4 1/2" / L-80	11.6#	0	7596'	n/a	218 sx Premium Lite	79 bbls	3230'	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	7333'	n/a									
25. Producing Intervals											
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status					
A) Dakota	7455'	7455'	2SPF	.34"	2	Covered w/BP					
B) Dakota	7335'	7340'	5 SPF	.40"	60	open					
C) Total					62						
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval										Amount and Type of Material	
7335' - 7455'										Acidized w/10 bbls 15% HCL; Frac'd w/11,886 gal 25# X-link pre-pad, 79,590 gal 25# 70% X-link N2 foam w/309,988 # 20/40 Brady Sand and 4,977,100 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		
SI	Unable to test	1hr.	→								
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
1/2"	SI-893 psi	SI 954 psi	→					SI Not able to test. Will show production rates with first delivery report.			
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

NMOCB
AV

MAY 07 2013

FARMINGTON FIELD OFFICE
BY William Tamberton

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	2334'	2456'	White, cr-gr ss	Ojo Alamo	2334'
Kirtland	2456'	2723'	Gry sh interbedded w/tight, gry, fine-gr ss. Lk gry-gry carb sn, coal, grn silts, light-med gry, tight, fine gr ss.	Kirtland	2456'
Fruitland	2723'	2967'	Bn-Gry, fine grn, tight ss.	Fruitland	2723'
Pictured Cliffs	2967'	3037'	Shale w/ siltstone stingers	Pictured Cliffs	2967'
Lewis	3037'	3396'	White, waxy chalky bentonite	Lewis	3037'
Huerfano Bentonite	3352'	n/a	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Huerfano Bentonite	3352'
Chacara	3812'	4586'	Light gry, med-fine gr ss, carb sh & coal	Chacara	3812'
Mesa Verde	4586'	4605'	Med-dark gry, fine gr ss, carb sh & coal	Mesa Verde	4586'
Menefee	4605'	5200'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Menefee	4605'
Point Lookout	5200'	5625'	Dark gry carb sh.	Point Lookout	5200'
Mancos	5625'	6270'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Mancos	5625'
Gallup	6270'	7125'	Highly calc gry sh w/ thin lmst.	Gallup	6270'
Greenhorn	7125'	7187'	Dk gry shale, fossil & carb w/ pyrite incl.	Greenhorn	7125'
Graneros	7187'	7243'	Lt to dark gry ross carb si calc si silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Graneros	7187'
Dakota	7243'		interbed grn, brn & red waxy sh & fine to coard grn s	Dakota	7243'
Morrison				Morrison	

32. Additional remarks (include plugging procedure):

This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3592.

Note: Unable to sell gas thru GRS. Gas never reached P/L acceptable levels. First delivery will be after facilities are set. BR will report the test volumes with the first delivery report.

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

5/3/2013

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.

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

MAY 06 2013

5. Lease Serial No.

SF-079266

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

Other:

Farmington Field Office
Bureau of Land Management

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 F (SENW), 1790' FNL & 1740' FWL,

At top prod. Interval reported below

Same as above

At total depth

Same as above

14. Date Spudded

1/15/2013

15. Date T.D. Reached

2/9/2013

16. Date Completed

☐ D & A ☒ Ready to Prod.

4/18/2013

18. Total Depth:

MD

7607'

TVD

19. Plug Back T.D.:

MD

7574'

TVD

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	230'	n/a	76sx-Pre-mix	22bbbls	Surface	5 bbls
8 3/4"	7" / J-55	20# / 23#	0	4720'	n/a	765sx Premium Lite	277 bbls	Surface	100 bbls
6 1/4"	4 1/2" / L-80	11.6#	0	7596'	n/a	218sx Premium Lite	79 bbls	3230'	n/a

RCUD MAY 9 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#, J-55	7333'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pt. Lookout	5121'	5564'	1 SPF	.34"	25	open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5212' - 5564'	Acidized w/10 bbls 15% HCL; Frac'd w/42,242 gal 70% slickwater N2 foam w/1,677,000 scf N2 & 140,755# 20/40 Brady sand

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
SI	No Test	1hr.	→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	SI-893 psi	SI 954 psi	→					SI Unable to get a good test on this well. Will report production with First Delivery Report	

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

MAY 07 2013

NMOC

AV

FIELD OFFICE

William Tambakou

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	2334'	2456'	White, cr-gr ss	Ojo Alamo	2334'
Kirtland	2456'	2723'	Gry sh interbedded w/tight, gry, fine-gr ss. LK gry-gry carb sn, coal, grn silts, ngnt-med gry, tight, fine gr ss.	Kirtland	2456'
Fruitland	2723'	2967'	Bn-Gry, fine gm, tight ss.	Fruitland	2723'
Pictured Cliffs	2967'	3037'	Shale w/ siltstone stingers	Pictured Cliffs	2967'
Lewis	3037'	3396'	White, waxy chalky bentonite	Lewis	3037'
Huerfano Bentonite	3352'	n/a	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Huerfano Bentonite	3352'
Chacra	3812'	4586'	Light gry, med-fine gr ss, carb sh & coal	Chacra	3812'
Mesa Verde	4586'	4605'	Med-dark gry, fine gr ss, carb sh & coal	Mesa Verde	4586'
Menefee	4605'	5200'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Menefee	4605'
Point Lookout	5200'	5625'	Dark gry carb sh.	Point Lookout	5200'
Mancos	5625'	6270'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Mancos	5625'
Gallup	6270'	7125'	Highly calc gry sh w/ thin lmst.	Gallup	6270'
Greenhorn	7125'	7187'	Dk gry shale, fossil & carb w/ pyrite incl. Lt to dark gry loss carb si calc si silty ss w/ pyrite	Greenhorn	7125'
Graneros	7187'	7243'	incl thin sh bands cly Y shale breaks	Graneros	7187'
Dakota	7243'		interbed gm, brn & red waxy sh & fine to coard gm s	Dakota	7243'
Morrison				Morrison	

32. Additional remarks (include plugging procedure):

This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3592.

Note: Unable to sell gas thru GRS. Gas never reached P/L acceptable levels. First delivery will be after facilities are set. BR will report the test volumes with the first delivery report.

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

5/3/2013

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.