

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 &amp; Gas Company

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

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

At surface UNIT I (NESE), 1675' FSL &amp; 285' FEL

At top prod Interval reported below SAME AS ABOVE

At total depth SAME AS ABOVE

14 Date Spudded  
11/21/201115. Date T D Reached  
3/1/201216 Date Completed  
4/19/2012  
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)\*  
GL-6,246' / KB-6,261'18 Total Depth MD  
TVD 6,740'19. Plug Back T D : MD  
TVD 6,719'20. Depth Bridge Plug Set MD  
TVD

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

GR/CCL/CBL

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	76 sx (Pre-mix)	22 bbls	Surface	7 bbls
8 3/4"	7" - J-55	20# / 23#	0	3,881'	N/A	561 sx Prem Lt	203 bbls	Surface	75 bbls
6 1/4"	4 1/2" L-80	11.6#	0	6,740'	N/A	230 sx Prem Lt	83 bbls	3,100	

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	6,548'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) Basin Dakota	6,444'	6,560'	1 SPF	.34" diam	31	Open
B)	6,582'	6,634'	2 SPF	.34" diam	24	Open
C)						
D) Total Holes					55	

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

Depth Interval	Amount and Type of Material
6,444' - 6,634'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 34,188 gal 70Q N2 slickfoamw/ 24,787# 20/40 Brady sand. N2: 4,424,400scf.

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
N/A	4/19/2012	1	→	0	37mcf/h	2bwph			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	651psi	545psi	→	0	884mcf/d	45bwpd		SI	

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. SI	Csg. Press. SI	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

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FARMINGTON FIELD OFFICE  
BY SW

MAY 08 2012

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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

31 Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top
					Meas. Depth
Ojo Alamo	1294	1368	White, cr-gr ss	Ojo Alamo	1294
Kirtland	1368	1799	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	1368
Fruitland	1799	2080	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	1799
Pictured Cliffs	2080	2165	Bn-Gry, fine grn, tight ss	Pictured Cliffs	2080
Lewis	2165	2522	Shale w/ siltstone stringers	Lewis	2165
Huerfano Bentonite	2522	2570	White, waxy chalky bentonite	Huerfano Bentonite	2522
Chacara	2570	3621	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacara	2570
Mesa Verde	3621	3705	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3621
Menefee	3705	4364	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3705
Point Lookout	4364	4695	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4364
Mancos	4695	5500	Dark gry carb sh	Mancos	4695
Gallup	5500	6356	Lt gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh.	Gallup	5500
Greenhorn	6356	6405	Highly calc gry sh w/ thin lmst	Greenhorn	6356
Graneros	6405	6443	Dk gry shale, fossil & carb w/ pynte incl	Graneros	6405
Dakota	6443	6746	Lt to dark gry foss carb sl calc sl sitty ss w/ pynte incl thin sh bands cly Y shale breaks	Dakota	6443
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	0

32 Additional remarks (include plugging procedure)

This is a Blanco MV/Basin Dakota well being commingled by DHC Order # 3645AZ.

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)

DENISE JOURNEY

Title

REGULATORY TECHNICIAN

Signature

Date

5/7/2012

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

RCVD MAY 18 '12  
OIL CONS. DIV.  
FORM APPROVED  
OMB NO 4004-0137  
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. <b>SF-078135</b>			
b. Type of Completion: <input 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 <b>MMN-78394C-7</b>			
Other _____						7. Unit or CA Agreement Name and No. <b>Huerfanito Unit</b>			
2. Name of Operator <b>Burlington Resources Oil &amp; Gas Company</b>						8 Lease Name and Well No. <b>Huerfanito Unit 98N</b>			
3 Address <b>PO Box 4289, Farmington, NM 87499</b>				3a Phone No (include area code) <b>(505) 326-9700</b>		9. API Well No. <b>30-045-35262-0002</b>			
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>Unit 1 (NESE), 1675' FSL &amp; 285' FEL</b>						10. Field and Pool or Exploratory <b>Blanco Mesa Verde</b>			
At top prod. interval reported below <b>SAME AS ABOVE</b>						11 Sec., T, R, M, on Block and Survey or Area <b>Sec. 35, T27N, R9W</b>			
At total depth <b>SAME AS ABOVE</b>						12. County or Parish <b>San Juan</b>		13 State <b>New Mexico</b>	
14. Date Spudded <b>11/21/2011</b>		15. Date T D Reached <b>3/1/2012</b>		16 Date Completed <b>4/19/2012</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17 Elevations (DF, RKB, RT, GL)* <b>GL-6,246' / KB-6,261'</b>			
18 Total Depth: MD <b>6,746'</b> TVD		19. Plug Back T.D.: MD <b>6,719'</b> TVD		20 Depth Bridge Plug Set. MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each)			
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)						GR/CCL/CBL			
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	229'	N/A	76 sx Pre-Mix	22 bbls	Surface	7 bbls
8 3/4"	7", J-55	20# / 23#	0	3,881'	N/A	561 sx Prem Lt	203 bbls	Surface	75 bbls
6 1/4"	4 1/2", L-80	11.6#	0	6,740'	N/A	230 sx Prem Lt	83 bbls	3,100'	
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	6,548'	n/a							
25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status			
A) Point Lookout	4,366'	4,525'	1 SPF	.34" diam	25	Open			
B) Menefee	4,102'	4,330'	1 SPF	.34" diam	26	Open			
C)									
D) Total Holes					51				
27 Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval	Amount and Type of Material								
4,366' - 4,525'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 28,434 gal 70Q N2 slickfoam w/ 75,506# 20/40 Brady sand. N2: 1,029,200 scf								
4,102' - 4,330'	Frac w/ 24,360 gal 70Q N2 slickfoam w/ 50,127# 20/40 Brady sand. N2: 1,223,100 scf								
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
N/A	4/19/2012	1	0	0	2mcf/h	Trace			FLOWING
Choke Size	Tbg Press Flwg SI	Csg Press. SI	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	651psi	545psi	0	0	56mcf/d	3bwpd		SI	
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 SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

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

ACCEPTED FOR RECORD

MAY 08 2012

FARMINGTON FIELD OFFICE  
BY SW

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).				31. Formation (Log) Markers	
<p>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.</p>					

  

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas Depth
Ojo Alamo	1294	1368	White, cr-gr ss	Ojo Alamo	1294
Kirtland	1368	1799	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	1368
Fruitland	1799	2080	Dk gry-gry carb sh, coal, gm silts, light-med gry, tight, fine gr ss	Fruitland	1799
Pictured Cliffs	2080	2165	Bn-Gry, fine gm, tight ss	Pictured Cliffs	2080
Lewis	2165	2522	Shale w/ siltstone stringers	Lewis	2165
Huerfano Bentonite	2522	2570	White, waxy chalky bentonite	Huerfano Bentonite	2522
Chacra	2570	3621	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Chacra	2570
Mesa Verde	3621	3705	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3621
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Greenhorn	6356	6405	Highly calc gry sh w/ thin lmst	Greenhorn	6356
Graneros	6405	6443	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	6405
Dakota	6443	6746	Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6443
Morrison			Interbed gm, brn & red waxy sh & fine to coard gm ss	Morrison	0

32. Additional remarks (include plugging procedure):

This is a Blanco MV/Basin Dakota well being commingled by DHC Order #3645AZ.

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

<input type="checkbox"/> Electrical/Mechanical Logs (1 full set req'd )	<input type="checkbox"/> Geologic Report	<input type="checkbox"/> DST Report	<input type="checkbox"/> Directional Survey
<input type="checkbox"/> Sundry Notice for plugging and cement verification	<input type="checkbox"/> Core Analysis	<input type="checkbox"/> 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)	DENISE JOURNEY	Title	REGULATORY TECHNICIAN
Signature		Date	

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.