

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 28 2012

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Bureau of Land Management

5. Lease Serial No. **SF-078138**

1a. Type of Well: Oil Well Gas Well Dry Other **Farmington Field Office**

b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resrv.,

Other: _____

6. If Indian, Allottee or Tribe Name

2. Name of Operator **Burlington Resources Oil & Gas Company**

7. Unit or CA Agreement Name and No. **NMMN-73758**

3. Address **PO Box 4289, Farmington, NM 87499**

8. Lease Name and Well No. **Hartman 23 1P**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **UNIT K (NE/SW), 1930' FSL & 2091' FVL**

9. API Well No. **30-045-35323-0001**

At top prod. Interval reported below **UNIT K (NW/SW), 1695' FSL & 1910' FWL**

10. Field and Pool or Exploratory **Basin Dakota**

At total depth **UNIT K (NW/SW), 1695' FSL & 1910' FWL**

11. Sec., T., R., M., on Block and Survey
SURFACE: SEC: 23, T30N, R11W
BOTTOM: SEC: 23, T30N, R11W

14. Date Spudded **8/24/2012**

12. County or Parish **San Juan**

13. State **New Mexico**

15. Date T.D. Reached **9/9/2012**

17. Elevations (DF, RKB, RT, GL)*
5964 GL / 5979' KB

16. Date Completed D & A Ready to Prod. **11/09/2012 GRS**

18. Total Depth: MD **6950'** TVD **6917'**

20. Depth Bridge Plug Set: MD **TVD**

19. Plug Back T.D.: MD **6946'** TVD **6913'**

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 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	775x-Pre-mix	22bbbls	Surface	7bbbls
8 3/4"	7" / J-55	23#	0	4341'	n/a	6025x-Premium Lite	218bbbls	Surface	49bbbls
6 1/4"	4 1/2" / L-80	11.6#	0	6948'	n/a	2055x-Premium Lite	746bbbls	3640'	n/a

RCVD DEC 11 '12
OIL CONS. DIV.
DIST 2

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	6856'	n/a						

24. Tubing Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Dakota	6814'	6930'	ISPF	.34"	40	open

25. Producing Intervals

26. Perforation Record

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

Depth Interval	Amount and Type of Material
6814' - 6930'	Acidize w/ 10bbbls of 15% HCL. Frac'd w/ 40,728gal 70% Slickwater N2 Foam w/ 40,046# of 20/40 Brady sand. Total N2: 1,951,400SCF.

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
11/09/2012 GRS	11/12/2012	1hr.	→	0/boph	14/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-667psi	SI-669psi	→	0/bopd	333/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)

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FARMINGTON FIELD OFFICE

BY TL Solvers

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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	952'	1122'	White, cr-gr ss	Ojo Alamo	952'
Kirtland	1122'	2003'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1122'
Fruitland	2003'	2396'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2003'
Pictured Cliffs	2396'	2588'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2396'
Lewis	2588'	3160'	Shale w/ siltstone stringers	Lewis	2588'
Huerfanito Bentonite	3160'	3415'	White, waxy chalky bentonite	Huerfanito Bentonite	3160'
Chacra	3415'	3983'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3415'
Mesa Verde	3983'	4198'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3983'
Menefee	4198'	4724'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4198'
Point Lookout	4724'	5160'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4724'
Mancos	5160'	5982'	Dark gry carb sh.	Mancos	5160'
Gallup	5982'	6701'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5982'
Greenhorn	6701'	6755'	Highly calc gry sh w/ thin lmst.	Greenhorn	6701'
Graneros	6755'	6814'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6755'
Dakota	6814'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6814'
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 DHC3715AZ.

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 Arleen Kellywood Date 11/27/12

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.

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1a. Type of Well: Oil Well Gas Well Dry Other

b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resvr.,

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 K (NE/SW), 1930' FSL & 2091' FWL**
At top prod. Interval reported below: **UNIT K (NW/SW), 1695' FSL & 1910' FWL**
At total depth: **UNIT K (NW/SW), 1695' FSL & 1910' FWL**

5. Lease Serial No.: **SF-078138**

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: **MM-83982**

8. Lease Name and Well No.: **Hartman 23 1P**

9. API Well No.: **30-045-35323-0662**

10. Field and Pool or Exploratory: **Blanco Mesaverde**

11. Sec., T., R., M., on Block and Survey: **SURFACE: SEC: 23, T30N, R11W
BOTTOM: SEC: 23, T30N, R11W**

12. County or Parish: **San Juan** 13. State: **New Mexico**

14. Date Spudded: **8/24/2012** 15. Date T.D. Reached: **9/9/2012** 16. Date Completed: D & A Ready to Prod. **11/08/2012 GRS**

17. Elevations (DF, RKB, RT, GL)*: **5964' GL / 5979' KB**

18. Total Depth: MD **6950'** TVD **6917'** 19. Plug Back T.D.: MD **6946'** TVD **6913'** 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. (#/R.)	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	77sx-Pre-mix	22bbls	Surface	7bbls
8 3/4"	7" / J-55	23#	0	4341'	n/a	602sx-Premium Lite	218bbls	Surface	49bbls
6 1/4"	4 1/2" / L-80	11.6#	0	6948'	n/a	205sx-Premium Lite	74bbls	3640'	n/a

RCUD DEC 11 '12
OIL CONS. DIV.
DIST. 3

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	6856'	n/a						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Point Lookout	4730'	5150'	ISPF	.34"	25	open
B) Menefee	4402'	4684'	ISPF	.34"	24	
C) Total					49	

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

Depth Interval	Amount and Type of Material
4730' - 5150'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 36,876gal 70% Slickwater N2 Foam w/ 101,851# of 20/40 Brady sand. Total N2: 1,305,000SCF.
4402' - 4684'	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 21,462gal 70% Slickwater w/ 48,355# of 20/40 Brady sand. Total N2: 997,000SCF.

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
11/08/2012 GRS	11/12/2012	1hr.	0 boph	79/mcf/h	1/bwph	n/a	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-667psi	SI-669psi	0 bopd	1889/mcf/d	20/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)

ACCEPTED FOR RECORD

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FARMINGTON FIELD OFFICE
BY TL Samers

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.)

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