Form 3160-4
(August 2007)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 10 2013

Farmington Field Office
Bureau of Land Management

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. SF-079520

1a. Type of Well: [ ] Oil Well [X] Gas Well [ ] Dry [ ] Other
b. Type of Completion: [X] New Well [ ] Work Over [ ] Deepen [ ] Plug Back [ ] Diff. Resvr.
Other:

6. If Indian, Allottee or Tribe Name: NM-NMNM-78411-B

7. Unit or CA Agreement Name and No. SAN JUAN 28-5 UNIT

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

8. Lease Name and Well No. SAN JUAN 28-5 UNIT #77P

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

3a. Phone No. *(include area code)*: (505) 326-9700

9. API Well No. 30-039-31153 -0001

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

At surface: Unit 190' FNL & 15' FWL

10. Field and Pool or Exploratory: BASIN DAKOTA

11. Sec., T., R., M., on Block and Survey: SURFACE : SEC: 27, T28N, R5W

At top prod. Interval reported below: SAME AS ABOVE

At total depth: SAME AS ABOVE

12. County or Parish: Rio Arriba

13. State: New Mexico

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
2/4/2013	2/23/2013	[ ] D & A [X] Ready to Prod. GRS 5/29/2013	6722' GL / 6737' KB

18. Total Depth:	MD 7998'	19. Plug Back T.D.:	MD 7992'	20. Depth Bridge Plug Set:	MD
	TVD		TVD		TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): *GR/CCL/CBL*

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report)
Directional Survey? [X] 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	228'	n/a	76 sx Premium Lite	22 bbls	Surface	6 bbls
8 3/4"	7" / J-55	20# / 23#	0	3879'	n/a	509 sx Premium Lite	182 bbls	950'	0
6 1/4"	4 1/2" / L-80	11.6#	0	7995'	n/a	290 sx Premium Lite	104 bbls	2800'	n/a

RCVD JUN 12'13
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#, J-55	7879'	n/a						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Dakota	7896'	7978'	2 spf	.34"	42	open
B)	Dakota	7754'	7885'	1 spf	.34"	15	open
C)							open
D)	total holes					57	

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

Depth Interval	Amount and Type of Material
7754' - 7978'	Acidized w/10 bbls 15% HCL, Frac-134,484 gal 70 Quality N2 Slickfoam w/39,762# 20/40 Brown sand & 2,311,800 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
GRS 5/29/2013	5/31/2013	1hr.	→	0	17 mcfh	0			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 - 675 psi	SI 671 psi	→	0	400 mcfd	0		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. 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)

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BY William Tambekou

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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	2870	3060	White, cr-gr ss	Ojo Alamo	2870
Kirltand	3060	3307	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirltand	3060
Fruitland	3307	3553	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3307
Pictured Cliffs	3553	3723	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	3553
Lewis	3723	4393	Shale w/ siltstone stingers	Lewis	3723
Huerfanito Bentonite	4393	4532	White, waxey chalky, bentonite	Huerfanito Bentonite	4393
Chacra	4532	5138	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4532
Mesa Verde	5138	5404	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	5138
Menefee	5404	5705	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5404
Point Lookout	5705	6236	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5705
Mancos	6236	6944	Dark gry carb sh.	Mancos	6236
Gallup	6944	7694	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6944
Greenhorn	7694	7752	Highly calc gry sh w/ thin lmst.	Greenhorn	7694
Graneros	7752	7801	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7752
Dakota	7801	7998	Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks Interbed grn, brn & red waxy sh & fine to coard grn ss	Dakota	7801

32. Additional remarks (include plugging procedure):

This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3738AZ

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 Patsy Clugston Date 6/7/2013

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.

(Continued on page 3)

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

6. If Indian, Allottee or Tribe Name: NM-NMNM-7841-A

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

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3a. Phone No. *(include area code)*: (505) 326-9700

9. API Well No. 30-039-31153 - 00C2

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

At surface: Unit 190' FNL & 15' FWL

10. Field and Pool or Exploratory: BLANCO MESAVERDE

11. Sec., T., R., M., on Block and Survey or Area: SURFACE : SEC: 27, T28N, R5W

At top prod. Interval reported below: SAME AS ABOVE

At total depth: SAME AS ABOVE

12. County or Parish: Rio Arriba

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14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
2/4/2013	2/23/2013	[ ] D & A [X] Ready to Prod. GRS 5/24/2013	6722' GL / 6737' KB

18. Total Depth:	MD 7998'	19. Plug Back T.D.:	MD 7992'	20. Depth Bridge Plug Set:	MD
	TVD		TVD		TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): GR/CCL/CBL

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report)
Directional Survey? [X] No [ ] Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

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8 3/4"	7" / J-55	20# / 23#	0	3879'	n/a	509 sx Premium Lite	182 bbls	950'	0
6 1/4"	4 1/2" / L-80	11.6#	0	7995'	n/a	290 sx Premium Lite	104 bbls	2800'	n/a

RCVD JUN 12 '13
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#, J-55	7879'	n/a						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Pt. Lookout	5608'	5988'	1 spf	.34"	25	open
B)	Cliffhouse	5190'	5550'	1 spf	.34"	25	open
C)	Lewis	4534'	5022'	1 spf	.34"	25	open
D)	total holes					75	

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

Depth Interval	Amount and Type of Material
5608' - 5988'	Acidized w/10 bbls 15% HCL, Frac -127,078 gal 70 Quality Slickfoam & 104,574# 20/40 Brown Sand & 1,465,600 scf N2.
5190' - 5550'	Acidized w/10 bbls 15% HCL; Frac - 125,146 gal 70 Quality Slickfoam w/99,891 # 20/40 Brown Sand & 1,349,600 scf N2
4534' - 5022'	Acidized w/10 bbls 15% HCL; Frac - 122,741 gal 75 Quality Visco Delastic Prop w/67,430# 20/40 Brown sand & 1,764,100 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
GRS 5/24/2013	5/24/2013	1hr.	→	0	41 mcfh	1 bwph			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 - 675 psi	SI 671 psi	→	0	980 mcfd	24 bwpd		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. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
			→						

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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):

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