

AMENDED

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JAN 29 2015

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

Lease/Serial No.

SF-078487-C

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
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.,		7. Unit or CA Agreement Name and No.	
Other:			
2. Name of Operator <b>Burlington Resources Oil &amp; Gas Company</b>		8. Lease Name and Well No. <b>SUNRAY 1M</b>	
3. Address <b>PO Box 4289, Farmington, NM 87499</b>		9. API Well No. <b>30-045-35544 - PDCI</b>	
3a. Phone No. (include area code) <b>(505) 326-9700</b>			
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>UNIT A (NENE) 999' FNL &amp; 699' FEL</b>  At top prod. Interval reported below <b>UNIT H (SENE) 1957' FNL &amp; 705' FEL</b>  At total depth <b>UNIT H (SENE) 1957' FNL &amp; 705' FEL</b>		10. Field and Pool or Exploratory <b>Basin Dakota</b>	
		11. Sec., T., R., M., on Block and Survey or Area <b>Sec. 5, T29N, R8W</b>	
		12. County or Parish <b>San Juan</b>	13. State <b>NM</b>
14. Date Spudded <b>11/14/2014</b>	15. Date T.D. Reached <b>11/29/2014</b>	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <b>1/15/2015-GRU</b>	
17. Elevations (DF, RKB, RT, GL)* <b>GL - 6284'; KB - 6301'</b>			

18. Total Depth: <b>MD-7680' / TVD 7520'</b>	19. Plug Back T.D.: <b>MD-7675'/TVD-7515</b>	20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>GR/CCL/CBL</b>		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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12-1/4"	9-5/8" H-40	32.3#	0	228'	n/a	131 Type I-II	36	0	0 bbls
8-3/4"	7", J-55	23#	0	3852'	n/a	533 sx Prem Lite	193	0	21 bbls
6-1/4"	4-1/2" L-80	11.6#	0	7676'	n/a	280 sx Prem Lite	100	2600'	

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"	7591'								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) <b>Dakota</b>	<b>7450'</b>	<b>7640'</b>		<b>7440'-7640'</b>	<b>.28"</b>	<b>50</b>	<b>open</b>
B)				(see completion detail for exact placement)			
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, etc.	
Depth Interval ( <b>7440' - 7640'</b> )	Amount and Type of Material <b>Acid-10 bbls 15 % HCL; Frac - 1110 bbls 70Q N2 foam w/61,525# 20/40 AZ sand &amp; 2,044 msct N2</b>

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
<b>GRC</b> <b>1/15/2014</b>	<b>1/19/2015</b>	<b>1</b>		<b>Trace</b>	<b>24</b>	<b>Trace</b>			<b>Flowing</b>
Choke Size <b>1/2"</b>	Tbg. Press. Flwg. <b>SI 487</b>	Csg. Press. <b>419</b>	24 Hr. Rate	Oil BBL <b>Trace</b>	Gas MCF <b>585</b>	Water BBL <b>10</b>	Gas/Oil Ratio	Well Status	

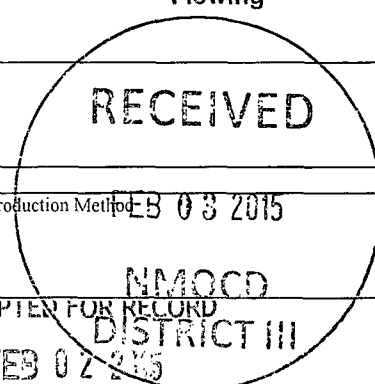
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. <b>SI</b>	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

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

NMOCD

FARMINGTON FIELD OFFICE

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.)

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	966	1005	White, cr-gr ss	Ojo Alamo	966
Kirtland	1006	2311	Gry sh interbedded w/tight, gry, fine-gr ss. Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Kirtland	1006
Fruitland	2312	2624	Bn-Gry, fine grn, tight ss.	Fruitland	2312
Pictured Cliffs	2625	2801	Shale w/ siltstone stringers	Pictured Cliffs	2625
Lewis	2802	3332	White, waxy chalky bentonite	Lewis	2802
Huerfanito Bentonite	3333	3690		Huerfanito Bentonite	3333
Chacra	3691	4157	Gry fin grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3691
Mesa Verde	4158	4407	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4158
Menefee	4408	4934	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4408
Point Lookout	4935	5304	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4935
Mancos	5305	6223	Dark gry carb sh.	Mancos	5305
Gallup	6224	6966	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6224
Greenhorn	6967	7024	Highly calc gry sh w/ thin lmst.	Greenhorn	6967
Graneros	7025	7084	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7025
Dakota	7085	7225	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7085
Morrison			Interbed grn, brn & red waxy sh & fine to coard gm ss	Morrison	0

## 32. Additional remarks (include plugging procedure):

This is a commingled MV/DK well being commingled per DHC 3894AZ

## 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)\*

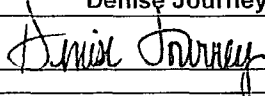
Name (please print)

Denise Journey

Title

Staff Regulatory Technician

Signature



Date

1/28/2015

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.

## 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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## 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	1919	2107	White, cr-gr ss	Ojo Alamo	1919
Kirtland	2108	2786	Gry sh interbedded w/tight, gry, fine-gr ss. Dk gry-gry carb sh, coal, gm silts, light-med gry, tight, fine gr ss.	Kirtland	2108
Fruitland	2787	3113	Bn-Gry, fine gm, tight ss.	Fruitland	2787
Pictured Cliffs	3114	3238	Shale w/ siltstone stringers	Pictured Cliffs	3114
Lewis	3239	3881	White, waxy chalky bentonite	Lewis	3239
Huerfano Bentonite	3882	4105		Huerfano Bentonite	3882
Chacra	4106	4642	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Chacra	4106
Mesa Verde	4643	4912	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4643
Menefee	4913	5315	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4913
Point Lookout	5316	5691	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5316
Mancos	5692	6582	Dark gry carb sh.	Mancos	5692
Gallup	6583	7332	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6583
Greenhorn	7333	7380	Highly calc gry sh w/ thin lmst.	Greenhorn	7333
Graneros	7381	7423	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7381
Dakota	7423	7680	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7423
Morrison			Interbed gm, brn & red waxy sh & fine to coard gm ss	Morrison	0

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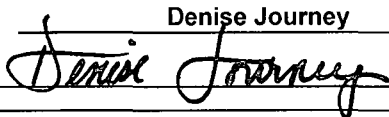
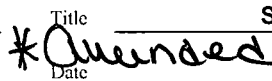
Name (please print)

Denise Journey

Title

Staff Regulatory Technician

Signature

Date

2/6/2015

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