

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 07 2013

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOGGING FIELD C

Release Serial No.

NM-03717

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. Need CA	
2. Name of Operator Burlington Resources Oil & Gas Company		8. Lease Name and Well No. Houck Com #2N	
3. Address PO Box 4289, Farmington, NM 87499		9. API Well No. 30-045-35416 - oae1	
3a. Phone No. (include area code) (505) 326-9700		10. Field and Pool or Exploratory Basin Dakota	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Unit E (SWNW), 1505' FNL & 1090' FWL, At top prod. Interval reported below Unit D (NWNW), 697' FNL & 713' FWL At total depth Unit D (NWNW), 697' FNL & 713' FWL		11. Sec., T., R., M., on Block and Survey o SURFACE & BH: SEC: 7, T29N, R10W	
14. Date Spudded 2/15/2013		15. Date T.D. Reached 2/26/2013	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 4/26/2013		17. Elevations (DF, RKB, RT, GL)* 5790' GL, 5805' KB	
18. Total Depth: MD 6848' TVD 6726'		19. Plug Back T.D.: MD 6824' TVD 6702'	
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? <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)			

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	76sx-Pre-mix	22 bbls	Surface	6 bbls
8 3/4"	7" / J-55	23#	0	4145'	n/a	573 sx - Premium Lite	207 bbls	Surface	72 bbls
6 1/4"	4 1/2" / L-80	11.6#	0	6847'	n/a	206 sx Premium Lite	74 bbls	3000'	n/a

RCUD MAY 15 '13
OIL COMS. DIV.

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	6724'	n/a						

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Dakota	6690'	6794'	2 spf	.34"	50	open
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
6690' - 6794'	Acidized w/10 bbls 15% HCL, Frac - 40,614 gal Slickwater foam w/38,880 # 20/40 AZ sand & 2,131,00 scf N2

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
SI	4/26/2013	1hr.	→	0	98 mcf	0.25			SI
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	SI - 1038 psi	SI 1031 psi	→	0	2342 mcf/d	6 bwpd		SI waiting on ND C104	

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	
			→						

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

ACCEPTED FOR RECORD

MAY 10 2013

NMOCB
FY

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.)

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	869'	1034'	White, cr-gr ss	Ojo Alamo	869'
Kirtland	1034'	1784'	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	1034'
Fruitland	1784'	2186'	Bn-Gry, fine grn, tight ss.	Fruitland	1784'
Pictured Cliffs	2186'	2391'	Shale w/ siltstone stingers	Pictured Cliffs	2186'
Lewis	2391'	3396'	White, waxy chalky bentonite	Lewis	2391'
Huerfano Bentonite	n/a	n/a	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Huerfano Bentonite	n/a
Chacra	3258'	3830'	Light gry, med-fine gr ss, carb sh & coal	Chacra	3258'
Mesa Verde	3830'	3972'	Med-dark gry, fine gr ss, carb sh & coal	Mesa Verde	3830'
Menefee	3972'	4562'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Menefee	3972'
Point Lookout	4562'	4960'	Dark gry carb sh.	Point Lookout	4562'
Mancos	4960'	5794'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Mancos	4960'
Gallup	5794'	6561'	Highly calc gry sh w/ thin lmst.	Gallup	5794'
Greenhorn	6561'	6621'	Dk gry shale, fossil & carb w/ pyrite incl. Lt to dark gry ross carb si calc si silty ss w/ pyrite	Greenhorn	6561'
Graneros	6621'	6689'	incl thin sh bands cly Y shale breaks	Graneros	6621'
Dakota	6689'		interbed grn, brn & red waxy sh & fine to coard grn s	Dakota	6689'
Morrison				Morrison	

32. Additional remarks (include plugging procedure):

This is a Blanco Mesaverde & Basin Dakota commingle well under DH3749AZ

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

5/6/2013

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

MAY 07 2013

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										
b. Type of Completion:		<input checked="" type="checkbox"/> New Well	<input type="checkbox"/> Work Over	<input type="checkbox"/> Deepen	<input type="checkbox"/> Plug Back										
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 E (SWNW), 1505' FNL & 1090' FWL, At top prod. Interval reported below Unit D (NWNW), 697' FNL & 713' FWL At total depth Unit D (NWNW), 697' FNL & 713' FWL,															
14. Date Spudded 2/15/2013		15. Date T.D. Reached 2/26/2013		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 4/26/2013											
18. Total Depth: MD 6848' TVD 6726'		19. Plug Back T.D.: MD 6824' TVD 6702'		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? <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	228'	n/a	76sx-Pre-mix	22 bbls	Surface	6 bbls						
8 3/4"	7" / J-55	23#	0	4145'	n/a	573 sx - Premium Lite	207 bbls	Surface	72 bbls						
6 1/4"	4 1/2" / L-80	11.6#	0	6847'	n/a	206 sx Premium Lite	74 bbls	3000'	n/a						
24. Tubing Record						25. Producing Intervals				26. Perforation Record					
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
2 3/8", 4.7#, L-80	6724'	n/a							A) Pt. Lookout	4564'	4810'	1 spf	.34"	25	open
									B) Menefee	4222'	4394'	1 spf	.34"	25	open
									C) Total					50	
									D)						
27. Acid, Fracture, Treatment, Cement Squeeze, etc.						28. Production - Interval A									
Depth Interval			Amount and Type of Material												
4564' - 4810'			Acidized w/10 bbls 15% HCL; Frac - 37,716 gal 70% Slickwater w/100,419# 20/40 AZ sand & 1,209,000 scf N2												
4222' - 4394'			Acidized w/10 bbls 15% HCL; Frac - 32,424 gal 70% N2 Slickwater w/36,755 # 20/40 AZ sand & 1,417,000 scf N2												
28a. Production - Interval B						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						
SI	4/26/2013	1hr.	→	0	15 mcfh	0.25			SI						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status							
1/2"	SI - 1038 psi	SI 1031 psi	→	0	350 mcfh	6 bwpd		SI waiting on ND C104							
28a. Production - Interval B						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.	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

NMOC

AV

MAY 10 2013

FARMINGTON FIELD OFFICE
BY William Tambelton

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	869'	1034'	White, cr-gr ss	Ojo Alamo	869'
Kirltand	1034'	1784'	Gry sh interbedded w/tight, gry, fine-gr ss. Lk gry-gry carb ss, coal, gm silts, ngnt-mea gry,	Kirltand	1034'
Fruitland	1784'	2186'	tight, fine gr ss.	Fruitland	1784'
Pictured Cliffs	2186'	2391'	Bn-Gry, fine gm, tight ss.	Pictured Cliffs	2186'
Lewis	2391'	3396'	Shale w/ siltstone stingers	Lewis	2391'
Huerfanito Bentonite	n/a	n/a	White, waxy chalky bentonite	Huerfanito Bentonite	n/a
Chacra	3258'	3830'	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Chacra	3258'
Mesa Verde	3830'	3972'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3830'
Menefee	3972'	4562'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3972'
Point Lookout	4562'	4960'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4562'
Mancos	4960'	5794'	Dark gry carb sh.	Mancos	4960'
Gallup	5794'	6561'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5794'
Greenhorn	6561'	6621'	Highly calc gry sh w/ thin lmst.	Greenhorn	6561'
Graneros	6621'	6689'	Dk gry shale, fossil & carb w/ pyrite incl. Lt to dark gry ss carb ss calc ss silty ss w/ pyrite	Graneros	6621'
Dakota	6689'		incl thin sh bands cly Y shale breaks	Dakota	6689'
Morrison			interbed gm, brn & red waxy sh & fine to coard gm s	Morrison	

32. Additional remarks (include plugging procedure):

This is a Blanco Mesaverde & Basin Dakota commingle well under DH3749AZ

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

5/6/2013

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.