

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 27 2012

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office  
Bureau of Land Management  
SF-080674

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	<input type="checkbox"/> Diff Resrv			
2 Name of Operator						5 Lease Serial No.			
Burlington Resources Oil & Gas Company						6 If Indian, Allottee or Tribe Name			
3 Address						7 Unit or CA Agreement Name and No.			
PO Box 4289, Farmington, NM 87499						SAN JUAN 27-4 UNIT			
3a. Phone No. (include area code)						8 Lease Name and Well No.			
(505) 326-9700						SAN JUAN 27-4 UNIT 56N			
4 Location of Well (Report location clearly and in accordance with Federal requirements)*						9 API Well No.			
At surface						10 Field and Pool or Exploratory			
UNIT K (NW/SW), 1791' FSL & 1360' FWL						BASIN DK			
At top prod Interval reported below						11 Sec, T, R, M, on Block and Survey			
UNIT F (SE/NW), 1903' FNL & 1352' FWL						SURFACE: SEC: 21, T27N, R4W			
At total depth						BOTTOM: SEC: 21, T27N, R4W			
14 Date Spudded						12 County or Parish			
6/26/2012						13 State			
15 Date T/D Reached						17 Elevations (DF, RKB, RT, GL)*			
7/22/2012						6799' GL / 6814' KB			
16 Date Completed									
<input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod									
9/10/2012 GRC									
18 Total Depth						20. Depth Bridge Plug Set			
MD 8462'						MD			
TVD 8139'						TVD			
19 Plug Back T/D									
MD 8415'									
TVD 8092'									
21 Type Electric & Other Mechanical Logs Run (Submit copy of each)						22 Was well cored?			
GR/CCL/CBL						<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	226'	n/a	76sx-Pre-mix	22bbls	Surface	6bbls
8 3/4"	7" / J-55	23#	0	4845'	3704'	793sx-Premium Lite	290bbls	Surface	100bbls
6 1/4"	4 1/2" / L-80	11.6#	0	8461'	n/a	277sx-Premium Lite	99bbls	3480'	n/a
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	8231'	n/a							
25 Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status			
A) Dakota	8316'	8330'	2SPF	.34"	12	open			
B) Dakota	8190'	8292'	1SPF	.34"	32	open			
C) TOTAL					44				
D)									
27 Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval		Amount and Type of Material							
8190' - 8330'		Acidize w/ 10bbls of 15% HCL. Frac'd w/ 41,370gals 70% Slickwater Pad w/ 40,147# of 20/40 Arizona sand. Pumped 85bbls of fluid.							
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
9/10/2012 GRC	9/14/2012	1hr.	→	n/a /boph	8/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-616psi	SI-537psi	→	n/a/bopd	193/mcf/d	10/ 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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## 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	3301'	3540'	White, cr-gr ss	Ojo Alamo	3301'
Kirtland	3540'	3806'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	3540'
Fruitland	3806'	3963'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	3806'
Pictured Cliffs	3963'	4160'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	3963'
Lewis	4160'	N/A	Shale w/ siltstone stringers	Lewis	4160'
Huerfanito Bentonite	N/A	4937'	White, waxy chalky bentonite	Huerfanito Bentonite	N/A
Chacra	4937'	5555'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4937'
Mesa Verde	5555'	5805'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	5555'
Menefee	5805'	6143'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5805'
Point Lookout	6143'	6666'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	6143'
Mancos	6666'	7303'	Dark gry carb sh.	Mancos	6666'
Gallup	7303'	8094'	Lt gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh	Gallup	7303'
Greenhorn	8094'	8160'	Highly calc gry sh w/ thin lmst	Greenhorn	8094'
Graneros	8160'	8188'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	8160'
Dakota	8188'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	8188'
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 Mancos &amp; Basin Dakota commingle well under DHC4526.

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

9/26/12

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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Farmington Field Office F-080674

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	<input type="checkbox"/> Diff. Resvr.			
2. Name of Operator <b>Burlington Resources Oil &amp; Gas Company</b>									
3. Address <b>PO Box 4289, Farmington, NM 87499</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 K (NW/SW), 1791' FSL &amp; 1360' FWL</b>  At top prod. Interval reported below <b>UNIT F (SE/NW), 1903' FNL &amp; 1352' FWL</b>  At total depth <b>UNIT F (SE/NW), 1903' FNL &amp; 1352' FWL</b>									
14. Date Spudded <b>6/26/2012</b>		15. Date T/D Reached <b>7/22/2012</b>		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <b>9/07/2012 GRC</b>					
18. Total Depth MD <b>8462'</b> TVD <b>8139'</b>		19. Plug Back T/D MD <b>8415'</b> TVD <b>8092'</b>		20. Depth Bridge Plug Set MD <b>8415'</b> TVD <b>8092'</b>					
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 Sks & Type of Cement	Slurry Vol (BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0	226'	n/a	76sx-Pre-mix	22bbls	Surface	6bbls
8 3/4"	7" / J-55	23#	0	4845'	3704'	793sx-Premium Lite	290bbls	Surface	100bbls
6 1/4"	4 1/2" / L-80	11.6#	0	8461'	n/a	277sx-Premium Lite	99bbls	3480'	n/a
24. Tubing Record						25. Producing Intervals			
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	8231'	n/a							
26. Perforation Record						27. Acid, Fracture, Treatment, Cement Squeeze, etc			
Formation		Top	Bottom	Perforated Interval		Size	No Holes	Perf. Status	
A) Point Lookout/Menefee	5988'	6380'	ISPF		.34"	25	open		
B) Cliffhouse	5558'	5925'	ISPF		.34"	25	open		
C) Lewis	4938'	5413'	ISPF		.34"	25			
D) TOTAL						75			
28. Production - Interval A						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
9/07/2012 GRC	9/14/2012	1hr.	→	n/a /boph	28/mcf/h	3/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-616psi	SI-537psi	→	n/a/bopd	672/mcf/d	64/bwph	n/a	SHUT IN	
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)

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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	3301'	3540'	White, cr-gr ss	Ojo Alamo	3301'
Kirtland	3540'	3806'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	3540'
Fruitland	3806'	3963'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	3806'
Pictured Cliffs	3963'	4160'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	3963'
Lewis	4160'	N/A	Shale w/ siltstone stringers	Lewis	4160'
Huerfanto Bentonite	N/A	4937'	White, waxy chalky bentonite	Huerfanto Bentonite	N/A
Chacra	4937'	5555'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4937'
Mesa Verde	5555'	5805'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	5555'
Menefee	5805'	6143'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5805'
Point Lookout	6143'	6666'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	6143'
Mancos	6666'	7303'	Dark gry carb sh	Mancos	6666'
Gallup	7303'	8094'	Lt gry to brn calc carb micac glauc silts & very fine gry gr ss w/ irreg interbed sh	Gallup	7303'
Greenhorn	8094'	8160'	Highly calc gry sh w/ thin lmst	Greenhorn	8094'
Graneros	8160'	8188'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	8160'
Dakota	8188'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands	Dakota	8188'
Morrison			clay Y shale breaks	Morrison	
			Interbed grn, brn & red waxy sh & fine to coard grn ss		

32. Additional remarks (include plugging procedure):

This is a Blanco Mesaverde, Basin Mancos &amp; Basin Dakota commingle well under DHC4526.

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

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DEPARTMENT OF THE INTERIOR  
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## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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SEP 27 2012  
FORM APPROVED  
OMB No 1004-0137  
Expires July 31, 2010Farmington Field Office  
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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	<input type="checkbox"/> Diff. Resvr.			
2 Name of Operator						5. Lease-Serial No.			
Burlington Resources Oil & Gas Company						6-4 Indian, Allottee or Tribe Name			
3 Address						7. Unit or CA Agreement Name and No.			
PO Box 4289, Farmington, NM 87499						SAN JUAN 27-4 UNIT			
3a Phone No (include area code)						8 Lease Name and Well No			
(505) 326-9700						SAN JUAN 27-4 UNIT 56N			
4 Location of Well (Report location clearly and in accordance with Federal requirements)*						9 API Well No			
At surface						30-039-31105			
UNIT K (NW/SW), 1791' FSL & 1360' FWL						10 Field and Pool or Exploratory			
At top prod Interval reported below						BASIN MANCOS			
UNIT F (SE/NW), 1903' FNL & 1352' FWL						11 Sec, T, R, M, on Block and Survey			
At total depth						SURFACE: SEC: 21, T27N, R4W			
UNIT F (SE/NW), 1903' FNL & 1352' FWL						BOTTOM: SEC: 21, T27N, R4W			
14. Date Spudded		15 Date T D Reached		16 Date Completed		17. Elevations (DF, RKB, RT, GL)*			
6/26/2012		7/22/2012		<input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 9/07/2012 GRC		6799' GL / 6814' KB			
18 Total Depth		19 Plug Back T D		20 Depth Bridge Plug Set					
MD 8462'		MD 8415'		MD					
TVD 8139'		TVD 8092'		TVD					
21 Type Electric & Other Mechanical Logs Run (Submit copy of each)						22 Was well cored?			
GR/CCL/CBL						<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)			
						<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report)			
						<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)			
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Hole Size	Size/Grade	Wt. (#/R)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No of Skis & Type of Cement	Slurry Vol (BBL)	Cement top*	Amount Pulled
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8 3/4"	7" / J-55	23#	0	4845'	3704'	793sx-Premium Lite	290bbls	Surface	100bbls
6 1/4"	4 1/2" / L-80	11.6#	0	8461'	n/a	277sx-Premium Lite	99bbls	3480'	n/a
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	8231'	n/a							
25 Producing Intervals									
Formation	Top	Bottom	Perforated Interval		Size	No Holes	Perf Status		
A) Lower Mancos	7378'	7648'	3SPF		.34"	60	open		
B) Upper Mancos	7137'	7328'	3SPF		.34"	60	open		
C) TOTAL						120			
D)									
27 Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval		Amount and Type of Material							
7378' - 7648'		Frac'd w/ 50,568gals 70% X-Link Fowm water w/ 149,739# of 20/40 Arizona sand. Pumped 114bbls of fluid.							
7137' - 7328'		Frac'd w/ 44,772gals 70% X-Link Fowm water w/ 149,576# of 20/40 Arizona sand. Pumped 111bbls of fluid.							
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
9/07/2012 GRC	9/14/2012	1hr.	→	n/a /boph	19/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-616psi	SI-537psi	→	n/a/bopd	451/mcf/d	5/ 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

OCT 01 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
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Kirltland	3540'	3806'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirltland	3540'
Fruitland	3806'	3963'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3806'
Pictured Cliffs	3963'	4160'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	3963'
Lewis	4160'	N/A	Shale w/ siltstone stringers	Lewis	4160'
Huerfanto Bentonite	N/A	4937'	White, waxy chalky bentonite	Huerfanto Bentonite	N/A
Chacra	4937'	5555'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4937'
Mesa Verde	5555'	5805'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	5555'
Menefee	5805'	6143'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5805'
Point Lookout	6143'	6666'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	6143'
Mancos	6666'	7303'	Dark gry carb sh	Mancos	6666'
Gallup	7303'	8094'	Lt gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh	Gallup	7303'
Greenhorn	8094'	8160'	Highly calc gry sh w/ thin lmst	Greenhorn	8094'
Graneros	8160'	8188'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	8160'
Dakota	8188'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	8188'
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 Mancos &amp; Basin Dakota commingle well under DHC4526.

## 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

9/26/12

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