

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 03 2012

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office

5. Lease Serial No

SF-078356-A

1a Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr,
Other

6. If Indian, Allottee or Tribe Name

NMMN-78394B-DK

7. Unit or CA Agreement Name and No.

Huerfano Unit

2. Name of Operator

Burlington Resources Oil & Gas Company

8. Lease Name and Well No.

Huerfano Unit 85M

3. Address

PO Box 4289, Farmington, NM 87499

3a. Phone No. (include area code)

(505) 326-9700

9. API Well No

30-045-35287-0001

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

At surface UNIT C (NENW), 710' FNL & 1385' FWL

10. Field and Pool or Exploratory

Basin Dakota

11. Sec, T, R, M, on Block and
Survey or Area

Sec. 26, T27N, R9W

At top prod Interval reported below

Same As Above

At total depth

Same As Above

14. Date Spudded
3/9/201215. Date T.D. Reached
3/22/201216. Date Completed 5/30/12-GRS
☐ D & A ☒ Ready to Prod

17. Elevations (DF, RKB, RT, GL)*

GL-6,318' / KB-6,333'

18. Total Depth: MD 6,798'
TVD19. Plug Back T.D. MD 6,794'
TVD20. Depth Bridge Plug Set MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run? ☒ No ☐ Yes (Submit report)Directional Survey? ☒ No ☐ Yes (Submit copy)

GR/CCL/CBL

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	231	N/A	76 sx Premix	22 bbls	Surface	5 bbls
8 3/4"	7", J-55	20 / 23#	0	4,022'	N/A	557 sx Prem Lt	201 bbls	Surface	80 bbls
6 1/4"	4 1/2", L-80	11.6#	0	6,796'	N/A	207 sx Prem Lt	75 bbls	2,000'	

RCVD JUL 10 '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#, J-55	6,676'	na						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Dakota	6,742'	6,770'	2 SPF	.34" diam	16	Open
B)	6,614'	6,715'	1 SPF	.34" diam	15	Open
C)						
D) Total Holes					31	

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

Depth Interval	Amount and Type of Material
6,614' - 6,770'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 122,600 gal 70Q N2 Slickfoam w/ 40,367 # 20/40 Brady Sand.
	Total N2: 2,515,500 scf.

28. Production - Interval A

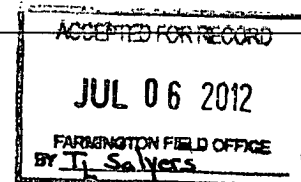
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
5/30/12 - GRS	6/12/2012	1	→	0	23mcf/h	1bwp/h			FLOWING
Choke Size	Tbg Press Flwg SI	Csg Press. SI	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	84 psi	400psi	→	0	544mcf/d	26bwpd		SI	

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. SI	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 A



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	1376'	1457'	White, cr-gr ss	Ojo Alamo	1376'
Kirtland	1457'	1908'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	1457'
Fruitland	1908'	2214'	Dk gry-gry carb sh, coal, gm silts, light-med gry, tight, fine gr ss	Fruitland	1908'
Pictured Cliffs	2214'	2376'	Bn-Gry, fine gm, tight ss	Pictured Cliffs	2214'
Lewis	2376'	2706'	Shale w/ siltstone stringers	Lewis	2376'
Huerfano Bentonite	2706'	3127'	White, waxy chalky bentonite	Huerfano Bentonite	2706'
Chacra	3127'	3800'	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Chacra	3127'
Mesa Verde	3800'	3867'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3800'
Menefee	3867'	4516'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3867'
Point Lookout	4516'	4940'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4516'
Mancos	4940'	5703'	Dark gry carb sh	Mancos	4940'
Gallup	5703'	6518'	Lt. gry to brn calc carb mucac gluac silts & very fine gry gry ss w/ irreg interbed sh	Gallup	5703'
Greenhorn	6518'	6569'	Highly calc gry sh w/ thin lmst	Greenhorn	6518'
Graneros	6569'	6606'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	6569'
Dakota	6606'	6798'	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6606'
Morrison			Interbed gm, brn & red waxy sh & fine to coard gm ss	Morrison	0

32 Additional remarks (include plugging procedure):

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)*

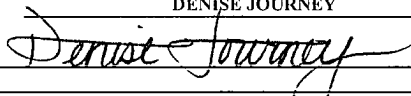
Name (please print)

DENISE JOURNEY

Title

REGULATORY TECHNICIAN

Signature



Date

7/2/2012

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

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 03 2012

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010WELL COMPLETION OR RECOMPLETION REPORT AND LOG
Farmington Field Office
Bureau of Land Management

SF-078356-A

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, Other		7 Unit or CA Agreement Name and No Report to lease Huerfanito Unit	
2 Name of Operator Burlington Resources Oil & Gas Company		8 Lease Name and Well No Huerfanito Unit 85M	
3 Address PO Box 4289, Farmington, NM 87499		9 API Well No. 30-045-35287 -0002	
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface UNIT C (NENW), 710' FNL & 1385' FWL At top prod. Interval reported below Same As Above At total depth Same As Above		10 Field and Pool or Exploratory Basin Mancos 11. Sec, T, R, M, on Block and Survey or Area Sec. 26, T27N, R9W 12. County or Parish San Juan 13 State New Mexico	
14. Date Spudded 3/9/2012		15. Date T D Reached 3/22/2012	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17 Elevations (DF, RKB, RT, GL)* GL-6,318' / KB-6,333'	
18. Total Depth: MD 6,798' TVD		19. Plug Back T D MD 6,794' TVD	
20 Depth Bridge Plug Set: MD TVD		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 checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)			

GR/CCL/CBL

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

Hole Size	Size/Grade	Wt (#/ft)	Top (MD)	Bottom (MD)	Stage Cement 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	231	N/A	76 sx Premix	22 bbls	Surface	5 bbls
8 3/4"	7", J-55	20 / 23#	0	4,022'	N/A	557 sx Prem Lt	201 bbls	Surface	80 bbls
6 1/4"	4 1/2", L-80	11.6#	0	6,796'	N/A	207 sx Prem Lt	75 bbls	2,000'	

RCVD JUL 10 '12
OIL CONS. DIV.

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	6,676'	na						

DIST. 3

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Upper Mancos	5,700'	5,830'	3 SPF	.34" diam	42	Open
B) Lower Mancos	5,890'	6,064'	3 SPF	.34" diam	54	Open
C)						
D) Total Holes					96	

27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
5,700' - 5,830'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 37,550 gal 25# x-linked gel water w/ 3,620# 20/40 Brady Sand.
5,890' - 6,064'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 102,816 gal 25# x-linked gel water w/ 126,200# 20/40 & 30,238# 16/30 Brady Sand.

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
5/24/12 - GRS	6/12/2012	1		0	8 mcf/h	Trace			FLOWING
Choke Size	Tbg Press Flwg SI	Csg Press SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	84 psi	400psi		0	202mcf/d	17bwpd		SI	

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 SI	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

JUL 06 2012

FARMINGTON FIELD OFFICE

J. Salinas

NMOCD

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	1376'	1457'	White, cr-gr ss	Ojo Alamo	1376'
Kirtland	1457'	1908'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	1457'
Fruitland	1908'	2214'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	1908'
Pictured Cliffs	2214'	2376'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	2214'
Lewis	2376'	2706'	Shale w/ siltstone stringers	Lewis	2376'
Huerfanto Bentonite	2706'	3127'	White, waxy chalky bentonite	Huerfanto Bentonite	2706'
Chacra	3127'	3800'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3127'
Mesa Verde	3800'	3867'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3800'
Menefee	3867'	4516'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3867'
Point Lookout	4516'	4940'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4516'
Mancos	4940'	5703'	Dark gry carb sh	Mancos	4940'
Gallup	5703'	6518'	Lt gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh.	Gallup	5703'
Greenhorn	6518'	6569'	Highly calc gry sh w/ thin lmst	Greenhorn	6518'
Graneros	6569'	6606'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	6569'
Dakota	6606'	6798'	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6606'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	0

32 Additional remarks (include plugging procedure):

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)*

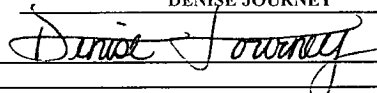
Name (please print)

DENISE JOURNEY

Title

REGULATORY TECHNICIAN

Signature



Date

7/2/2012

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.

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 03 2012

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Bureau of Land Management

SF-078356-A

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 MMNM-78394C-MV	
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., Other _____		7 Unit or CA Agreement Name and No. Huerfanito Unit	
2. Name of Operator Burlington Resources Oil & Gas Company		8 Lease Name and Well No. Huerfanito Unit 85M	
3 Address PO Box 4289, Farmington, NM 87499		9 API Well No. 30-045-35287-0003	
3a Phone No (include area code) (505) 326-9700		10. Field and Pool or Exploratory Blanco Mesa Verde	
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface UNIT C (NENW), 710' FNL & 1385' FWL At top prod Interval reported below Same As Above At total depth Same As Above		11 Sec, T, R, M, on Block and Survey or Area Sec. 26, T27N, R9W	
14. Date Spudded 3/9/2012		15. Date T D Reached 3/22/2012	
16 Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* GL-6,318' / KB-6,333'	
18 Total Depth: MD 6,798' TVD _____		19 Plug Back T.D.: MD 6,794' TVD _____	
20 Depth Bridge Plug Set MD _____ TVD _____		21. Type Electric & Other Mechanical Logs Run (Submit copy of each)	
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 checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)			

GR/CCL/CBL

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	231	N/A	76 sx Premix	22 bbls	Surface	5 bbls
8 3/4"	7", J-55	20 / 23#	0	4,022'	N/A	557 sx Prem Lt	201 bbls	Surface	80 bbls
6 1/4"	4 1/2", L-80	11.6#	0	6,796'	N/A	207 sx Prem Lt	75 bbls	2,000'	

RCVD JUL 10 '12
OIL CONS. DIV.
DIST. 31

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	6,676'	na						

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Point Lookout	4,472'	4,830'	1 SPF	.34" diam	22	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4,472' - 4,830'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 199,640 gal 70Q N2 Slickfoam w/ 181,089# 20/40 Brady Sand.
	Total N2: 2,167,600 scf.

28 Production - Interval A

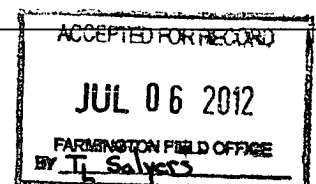
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
5/23/12 - GRS	6/12/2012	1	→	0	7mcf/h	3bwp/h			FLOWING
Choke Size	Tbg Press. Flwg SI	Csg Press SI	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	84 psi	400psi	→	0	165mcf/d	70bwpd		SI	

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)

NMOCDA



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	1376'	1457'	White, cr-gr ss	Ojo Alamo	1376'
Kirtland	1457'	1908'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	1457'
Fruitland	1908'	2214'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	1908'
Pictured Cliffs	2214'	2376'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	2214'
Lewis	2376'	2706'	Shale w/ siltstone stringers	Lewis	2376'
Huerfano Bentonite	2706'	3127'	White, waxy chalky bentonite	Huerfano Bentonite	2706'
Chacra	3127'	3800'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3127'
Mesa Verde	3800'	3867'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3800'
Menefee	3867'	4516'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3867'
Point Lookout	4516'	4940'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4516'
Mancos	4940'	5703'	Dark gry carb sh	Mancos	4940'
Gallup	5703'	6518'	Lt gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh	Gallup	5703'
Greenhorn	6518'	6569'	Highly calc gry sh w/ thin lmst	Greenhorn	6518'
Graneros	6569'	6606'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	6569'
Dakota	6606'	6798'	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6606'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	0

32 Additional remarks (include plugging procedure).

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)*

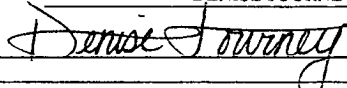
Name (please print)

DENISE JOURNEY

Title

REGULATORY TECHNICIAN

Signature



Date

7/2/2012

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