Form 3160-4
(August 2007)

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR JUN 15 2012
BUREAU OF LAND MANAGEMENT
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-078356

1a Type of Well: [ ] Oil Well [X] 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: NMNM-78394B-DK

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 88N

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

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

9 API Well No: 30-045-35267-00C1

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

At surface: UNIT J (NWSE), 2505' FSL & 1870' FEL

10 Field and Pool or Exploratory: BASIN DAKOTA

11. Sec , T , R , M , on Block and Survey or Area: Sec. 23, T27N, R9W

At top prod. Interval reported below: SAME AS ABOVE

At total depth: SAME AS ABOVE

12. County or Parish: San Juan

13 State: New Mexico

14. Date Spudded	15 Date T D. Reached	16. Date Completed	17 Elevations (DF, RKB, RT, GL)*
3/27/2012	4/7/2012	[ ] D & A [ ] Ready to Prod. 6/6/2012	GL - 6,267' / KB-6,282'

18 Total Depth	19. Plug Back T D.	20. Depth Bridge Plug Set:
MD 6,848'	MD 6,842'	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	234'	n/a	76 sx Pre-mix	22 bbls	Surface	7 bbls
8 3/4"	7", J-55	20# / 23#	0	4,055'	n/a	530 sx Prem Lt	191 bbls	Surface	62 bbls
6 1/4"	4 1/2", L-80	11.6#	0	6,843'	n/a	231 sx Prem Lt	83 bbls	2,580'	

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	6,752'	n/a						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A)	Basin Dakota	6,752'	6,820'	2 SPF	.34" diam	32	Open
B)		6,617'	6,714'	1 SPF	.34" diam	18	Open
C)							
D)	Total Holes					50	

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

Depth Interval	Amount and Type of Material
6,617' - 6,820'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 40,194 gal 70Q N2 Slickfoam w/ 39,471# 20/40 AZ sand. Total N2: 2,264,000 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
6/6/2012	6/7/2012	1	→	0	37 mcf/h	1 bwp/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"	645	802	→	0	880mcf/d	19 bwpd		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
			→					

RCVD JUN 20 '12
OIL CONS. DIV.
DIST. 3

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

NMOCD

ACCEPTED FOR RECORD
JUN 18 2012
FARMINGTON FIELD OFFICE
BY T. Salyers

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	1567'	1722'	White, cr-gr ss	Ojo Alamo	1567'
Kirltand	1722'	1998'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirltand	1722'
Fruitland	1998'	2222'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	1998'
Pictured Cliffs	2222'	2383'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	2222'
Lewis	2383'	2708'	Shale w/ siltstone stringers	Lewis	2383'
Huerfanito Bentonite	2708'	2744'	White, waxy chalky bentonite	Huerfanito Bentonite	2708'
Chacra	2744'	3827'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	2744'
Mesa Verde	3827'	3879'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3827'
Menefee	3879'	4528'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3879'
Point Lookout	4528'	4925'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4528'
Mancos	4925'	5704'	Dark gry carb sh	Mancos	4925'
Gallup	5704'	6519'	Lt gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg interbed sh	Gallup	5704'
Greenhorn	6519'	6570'	Highly calc gry sh w/ thin lmst	Greenhorn	6519'
Graneros	6570'	6609'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	6570'
Dakota	6609'	6848'	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6609'
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 Denise Journey Date 6/14/12

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

(Continued on page 3)

Form 3160-4
(August 2007)

RECEIVED
JUN 15 2012
Farmington Field Office
Bureau of Land Management

UNITED STATES
DEPARTMENT OF THE INTERIOR
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-078356

1a Type of Well: [ ] Oil Well [X] 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: Report to lease

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 88N

3 Address: PO Box 4289, Farmington, NM 87499

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

9 API Well No: 30-045-35267-0062

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

At surface: UNIT J (NWSE), 2505' FSL & 1870' FEL

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. 23, T27N, R9W

12. County or Parish: San Juan

13. State: New Mexico

14 Date Spudded	15. Date T D. Reached	16 Date Completed	17. Elevations (DF, RKB, RT, GL)*
3/27/2012	4/7/2012	[ ] D & A [ ] Ready to Prod 6/6/2012	GL - 6,267' / KB - 6,282'

18. Total Depth	19. Plug Back T D .	20 Depth Bridge Plug Set
MD 6,848'	MD 6,842'	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	234'	n/a	76 sx Pre-mix	22 bbls	Surface	7 bbls
8 3/4"	7", J-55	20# / 23#	0	4,055'	n/a	530 sx Prem Lt	191 bbls	Surface	62 bbls
6 1/4"	4 1/2", L-80	11.6#	0	6,843'	n/a	231 sx Prem Lt	83 bbls	2,580'	

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	6,752'	n/a						

25. Producing Intervals / 26 Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A)	Upper Mancos	5,738'	5,890'	3 SPF	.34" diam	60	Open
B)	Lower Mancos	5,940'	6,054'	3 SPF	.34" diam	60	Open
C)							
D)	Total Holes					120	

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

Depth Interval	Amount and Type of Material
5,738' - 5,890'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 170,222 gal 25# X-linked Slickwater w/ 91,670# 40/70 AZ sand.
5,940' - 6,054'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 184,884 gal 25# X-linked Slickwater w/ 94,855 # 40/70 AZ 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
6/6/2012	6/7/2012	1	→	0	14mcf/h	2 bwp/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"	645	802	→	0	343mcf/d	39 bwpd		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
			→					

RCVD JUN 20 '12
OIL CONS. DIV.
DIST. 3

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

ACCEPTED FOR RECORD
JUN 18 2012
FARMINGTON FIELD OFFICE
BY T. Salyers

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	1567'	1722'	White, cr-gr ss	Ojo Alamo	1567'
Kirltand	1722'	1998'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirltand	1722'
Fruitland	1998'	2222'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	1998'
Pictured Cliffs	2222'	2383'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	2222'
Lewis	2383'	2708'	Shale w/ siltstone stingers	Lewis	2383'
Huerfanito Bentonite	2708'	2744'	White, waxy chalky bentonite	Huerfanito Bentonite	2708'
Chacra	2744'	3827'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	2744'
Mesa Verde	3827'	3879'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3827'
Menefee	3879'	4528'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3879'
Point Lookout	4528'	4925'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4528'
Mancos	4925'	5704'	Dark gry carb sh.	Mancos	4925'
Gallup	5704'	6519'	Lt gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg interbed sh	Gallup	5704'
Greenhorn	6519'	6570'	Highly calc gry sh w/ thin lmst	Greenhorn	6519'
Graneros	6570'	6609'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	6570'
Dakota	6609'	6848'	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6609'
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 Denise Journey Date 6/14/12

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

(Continued on page 3)

Form 3160-4
(August 2007)

RECEIVED
JUN 15 2012
Farmington Field Office
Bureau of Land Management

UNITED STATES
DEPARTMENT OF THE INTERIOR
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-078356**

1a Type of Well [ ] Oil Well [X] 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

7. Unit or CA Agreement Name and No. **NMNM-78394C-MV** **Huerfanito Unit**

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

8. Lease Name and Well No **Huerfanito Unit 88N**

3 Address **PO Box 4289, Farmington, NM 87499**

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

9. API Well No **30-045-35267-00C3**

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

At surface **UNIT J (NWSE), 2505' FSL & 1870' FEL**

At top prod. Interval reported below **SAME AS ABOVE**

At total depth **SAME AS ABOVE**

10 Field and Pool or Exploratory **BLANCO MESA VERDE**

11. Sec, T, R, M, on Block and Survey or Area **Sec. 23, T27N, R9W**

12 County or Parish **San Juan**

13. State **New Mexico**

14. Date Spudded	15. Date T D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
3/27/2012	4/7/2012	[ ] D & A [ ] Ready to Prod 6/6/2012	GL - 6,267' / KB-6,282'

18. Total Depth	MD 6,848' TVD	19. Plug Back T D..	MD 6,842' TVD	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? [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	234'	n/a	76 sx Pre-mix	22 bbls	Surface	7 bbls
8 3/4"	7", J-55	20# / 23#	0	4,055'	n/a	530 sx Prem Lt	191 bbls	Surface	62 bbls
6 1/4"	4 1/2", L-80	11.6#	0	6,843'	n/a	231 sx Prem Lt	83 bbls	2,580'	

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	6,752'	n/a						

25. Producing Intervals / 26 Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A)	Blanco Mesa Verde	4,173'	4,859'	1 SPF	.34" diam	25	Open
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
4,173' - 4,859'	Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 33,264 gal 70Q N2 Slickfoam w/ 100,626# 20/40 AZ sand.
	Total N2: 1,209,000scf

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
6/6/2012	6/6/2012	1	→	0	16mcf/h	1 bwph			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"	645	802	→	0	390mcf/d	33bwpd		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
			→						RCVD JUN 20 '12 OIL CONS. DIV.
Choke Size	**Tbg Press Flwg SI**	**Csg Press**	**24 Hr Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	DIST. 3
			→						

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

NMOCD

ACCEPTED FOR RECORD
JUN 18 2012
FARMINGTON FIELD OFFICE
BY T. Salyers

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	1567'	1722'	White, cr-gr ss	Ojo Alamo	1567'
Kirltand	1722'	1998'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirltand	1722'
Fruitland	1998'	2222'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	1998'
Pictured Cliffs	2222'	2383'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2222'
Lewis	2383'	2708'	Shale w/ siltstone stingers	Lewis	2383'
Huerfanito Bentonite	2708'	2744'	White, waxy chalky bentonite	Huerfanito Bentonite	2708'
Chacra	2744'	3827'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	2744'
Mesa Verde	3827'	3879'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	3827'
Menefee	3879'	4528'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3879'
Point Lookout	4528'	4925'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4528'
Mancos	4925'	5704'	Dark gry carb sh	Mancos	4925'
Gallup	5704'	6519'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg interbed sh	Gallup	5704'
Greenhorn	6519'	6570'	Highly calc gry sh w/ thin lmst	Greenhorn	6519'
Graneros	6570'	6609'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	6570'
Dakota	6609'	6848'	Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6609'
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 Denise Journey Date 6/14/12

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

(Continued on page 3)