

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**RECEIVED**

Sundry Notices and Reports on Wells

**SEP 09 2011**

1. Type of Well  
GAS

2. Name of Operator  
**BURLINGTON**  
RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Unit C (NENW), 740' FNL & 1495' FWL, Section 29, T31N, R11W, NMPM

Farmington Field Office  
Bureau of Land Management  
Lease Number  
SP-078097

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Heaton 7 100S

9. API Well No.

30-045-35096

10. Field and Pool  
Basin Fruitland Coal/  
Wildcat Fruitland Sand

11. County and State  
Rio Arriba, NM

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

Type of Submission	Type of Action			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans	<input checked="" type="checkbox"/> Other —	<input type="checkbox"/> COMPLETION
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction		
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging	<input type="checkbox"/> Non-Routine Fracturing		
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off		
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection		

**13. Describe Proposed or Completed Operations**

PLEASE SEE ATTACHED.

**14. I hereby certify that the foregoing is true and correct.**

Signed Denise Journey Denise Journey

Title: Regulatory Technician

Date 9-7-11

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

Title 18 U S C Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

**ACCEPTED FOR RECORD****SEP 09 2011**

**FARMINGTON FIELD OFFICE**  
BY ser

\*Amend incorrect  
Information p 2

**NMOCD**

PC

HEATON 7 100S  
30-045-35096  
Burlington Resources  
Basin Fruitland Coal/Wildcat Fruitland Sand

1/21/11 RU WL. TIH w/ 3 3/4" guage ring. Run GR/CCL/CBL logs. TOC @ 36'.  
8/2/11 Install Frac Valve. PT csg to 5000# / 30 min. @ 8:15 hrs on 8/2/11. Test-OK.  
8/3/11 RU WL to Perf **Lower Fruitland Coal** w/ .40" diam – 2SPF @ 2,440'-2,458'  
Total Holes – 36.  
8/4/11 RU to Frac **Lower Fruitland Coal**. Acidize w/ 500 gal 10% Formic Acid.  
Frac w/ 21,168 gal 25# Linear 75% N2 foam w/ 54,314# 20/40 Brady Sand.  
N2: 871,200scf.  
Set CFP @ 2,432'  
Perf **Upper Fruitland Coal** w/ .40" diam – 3SPF @  
2,331' – 2,334' = 9 holes  
2,336' – 2,340' = 12 holes  
2,373' – 2,376' = 9 holes  
2,382' – 2,385' = 9 holes  
2,400' – 2,402' = 6 holes  
2,424' – 2,426' = 6 holes = 51 holes.  
Acidize w/ 500 gal 10% Formic Acid. Frac w/ 20,538 gal 25# Linear 75% N2  
Foam w/ 51,519# 20/40# Brady sand. N2: 840,200scf.  
Set CFP @ 2,290'  
Perf **Wildcat Fruitland Sand** w/ .40" diam – 2SPF @ 2,256'-2,274' = 36 holes.  
Acidize w/ 500 gal 10% Formic Acid. Frac w/ 8,022 gal 20# Linear 70Q N2 foam  
w/ 56,647# 20/40 Brady Sand. N2: 218,900scf. Start Flowback.  
8/12/11 **MIRU AWS 448.**  
8/15/11 TIH to set CBP @ 2,100'. ND WH. NU BOPE. PT BOPE – Test- OK. TIH, tag  
CBP @ 2,100' & DO.  
8/16/11 TIH, tag CFP @ 2,190' & DO. CO & DO CFP @ 2,432'. CO to PBTD @ 2,678'.  
**Flowtest FC/FS.**  
8/16/11 **Started selling FC/FS gas thru GRS.**  
8/17/11 RU WL. TIH w/ CBP & set @ 2,300'. RD WL.  
**Flowtest FS.**  
8/18/11 TIH. CO & DO CBP @ 2300'  
8/19/11 TIH w/ 82 jts., 2 3/8", 4.7#, J-55 tubing. Blow/flow.  
8/13/11 PU, land tbg w/ hanger @ 2,461' w/ FN @ 2,460'. ND BOPE. NU WH.  
RD RR @ 18:00 hrs on 8/23/11.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT IN DUPLICATE\*  
(See other instructions on reverse side)FOR APPROVED  
OMB NO. 1004-0137

Expires December 31, 1991

5 LEASE DESIGNATION AND SERIAL NO

SF-078097

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

NMNM1218327

7 UNIT AGREEMENT NAME

HEATON 7

8 FARM OR LEASE NAME, WELL NO.

100S

1a TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF RESVR ☐ Other ☐

SEP 09 2011

2 NAME OF OPERATOR

Burlington Resources Oil &amp; Gas Company

Farmington Field Office

Bureau of Land Management

3 ADDRESS AND TELEPHONE NO

PO BOX 4289, Farmington, NM 87499 (505) 326-9700

9 API WELL NO

30-045-35096--BDC1

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface C (NENW), 740' FNL &amp; 1495' FWL

At top prod. interval reported below

Same as above

At total depth Same as above

10. FIELD AND POOL, OR WILDCAT

BASIN FRUITLAND COAL

11 SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 29, T31N, R11W

14. PERMIT NO.

DATE ISSUED

12 COUNTY OR PARISH

San Juan

13 STATE

New Mexico

15 DATE SPUDDED

12/20/10

16 DATE T.D. REACHED

1/12/11

17 DATE COMPL. (Ready to prod.)

8/16/11 - GRS

18. ELEVATIONS (DF, RKB, RT, BR, ETC.)

GL-5953' / KB-5968'

19. ELEV CASINGHEAD

20 TOTAL DEPTH, MD &amp; TVD

2,683'

21 PLUG, BACK T.D., MD &amp; TVD

2,678'

22 IF MULTIPLE COMPL., HOW MANY\*

2

23 INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

yes

24 PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)\*

BASIN FRUITLAND COAL 2,331' - 2,458'

25 WAS DIRECTIONAL SURVEY MADE

NO

26 TYPE ELECTRIC AND OTHER LOGS RUN

GR/CCL/CBL

27 WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB / FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
7", J-55	20#	225'	8 3/4"	Surface, 51 sx (82cf)	3 bbls
4 1/2", J-55	10.5#	2672'	6 1/4"	TOC @ 36', Surface, 253 sx (508cf)	32 bbls

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8", 4.7#		
					J-55	2,461'	

30 TUBING RECORD

PERFORATION RECORD (Interval, size and number)	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC
Lower Fruitland Coal w/ .40" diam 2SPF @ 2,440' - 2,458' = 36 holes Upper Fruitland Coal w/ .40" diam 3SPF @ 2,331' - 2,426' = 51 holes Total FC Holes = 87	2,440' - 2,458' Acidize w/ 500 gal 10% Formic Acid. Frac w/ 21,168 gal 25# Linear 75% N2 foam w/ 54,314# 20/40 Brady Sand. N2: 871,200scf. 2,331' - 2,426' Acidize w/ 500 gal 10% Formic Acid. Frac w/ 20,538 gal 25# Linear 75% N2 foam w/ 51,519# 20/40 Brady Sand. N2: 840,200scf.

33. PRODUCTION

DATE FIRST PRODUCTION 8/16/11 - GRS		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) FLOWING					WELL STATUS (Producing or shut-in) SI	
DATE OF TEST 8/16/11	HOURS TESTED 1	CHOKE SIZE 1/2"	PROD'N FOR TEST PERIOD →	OIL--BBL 0	GAS--MCF 36mcf/h	WATER--BBL Trace		GAS-OIL RATIO OIL CONS. I
FLOW TUBING PRESS. SI-345psi	CASING PRESSURE SI-350psi	CALCULATED 24-HOUR RATE →	OIL--BBL 0	GAS--MCF 862mcf/d	WATER--BBL 1bw/d		OIL GRAVITY/API (CORR) 34567	

34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

35 LIST OF ATTACHMENTS

This is a Basin Fruitland Coal/Wildcat Fruitland Sand being commingled by DHC Order #4413.

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Denise Journey

TITLE

Staff Regulatory Technician

DATE

9-7 SEP 09 2011

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes 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.

NMOCD

FARMINGTON FIELD OFFICE

BY [Signature]

PC

API# 30-045*-35096			HEATON 7 100S		
Ojo Alamo	819'	942'	White, cr-gr ss.	Ojo Alamo	819'
Kirtland	942'	2050'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	942'
Fruitland	2050'	2479'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2050'
Pictured Cliffs	2479'	2683'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	2479'
Lewis			Shale w/siltstone stringers	Lewis	
Huerfanito Bentonite			White, waxy chalky bentonite	Huerfanito Bent.	
Chacra			Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	
Mesa Verde			Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	
Menefee			Med-dark gry, fine gr ss, carb sh & coal	Menefee	
Point Lookout			Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	
Mancos			Dark gry carb sh.	Mancos	
Gallup			Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	
Greenhorn			Highly calc gry sh w/thin lmst.	Greenhorn	
Graneros			Dk gry shale, fossil & carb w/pyrite incl.	Graneros	
Dakota			Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	
Morrison			Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE  
(See other instructions on reverse side)

FOR APPROVED  
OMB NO 1004-0137

Expires December 31, 1991

5 LEASE DESIGNATION AND SERIAL NO

SF-078097

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

Report to Lease

7 UNIT AGREEMENT NAME

HEATON 7

8 FARM OR LEASE NAME, WELL NO

100S

9 API WELL NO

30-045-35096 -0002

10 FIELD AND POOL, OR WILDCAT

WILDCAT FRUITLAND SAND

11 SEC, T, R, M, OR BLOCK AND SURVEY OR AREA

Section 29, T32N, R11W  
31W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF RESVR ☐ Other ☐

2 NAME OF OPERATOR

Burlington Resources Oil & Gas Company

3 ADDRESS AND TELEPHONE NO.

PO BOX 4289, Farmington, NM 87499 (505) 326-9700

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface C (NENW), 740' FNL & 1495' FWL

At top prod. interval reported below Same as above

At total depth Same as above

14 PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

15 DATE SPUDDED

12/10/10

16 DATE T D REACHED

1/12/11

17 DATE COMPL (Ready to prod)

8/16/11 - GRS

18. ELEVATIONS (DF, RKB, RT, BR, ETC)\*

GL-5953' / KB-5968'

19 ELEV CASINGHEAD

20 TOTAL DEPTH, MD & TVD

2,683'

21 PLUG, BACK T D, MD & TVD

2,678'

22. IF MULTIPLE COMPL, HOW MANY\*

2

23 INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

yes

24 PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)\*

WILDCAT FRUITLAND SAND 2,256-2,274'

26 TYPE ELECTRIC AND OTHER LOGS RUN

GR/CCL/CBL

27 WAS WELL CORED

No

28 CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB / FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
7", J-55	20#	225'	8 3/4"	Surface, 51 sx (82cf)	3 bbls
4 1/4", J-55	10.5	2672'	6 1/4"	TOC @ 36', Surface, 253 sx (508cf)	32 bbls

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8", 4.7#		
					J-55	2,461'	

30 TUBING RECORD

31 PERFORATION RECORD (Interval, size and number)

Wildcat Fruitland Sand w/ .40" diam  
3 SPF @ 2,256' - 2,274' = 36 holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

2,256' - 2,274'

Acidize w/ 500 gal 10% Formic Acid. Frac w/ 8,022 gal  
20# Linear 70Q N2 foam w/ 50,647# 20/40 Brady Sand.  
N2: 218,900scf.

DATE FIRST PRODUCTION

8/16/11 - GRS

PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)

FLOWING

WELL STATUS (Producing or shut-in)

SI

DATE OF TEST

8/16/11

HOURS TESTED

1

CHOKE SIZE

1/2"

PROD'N FOR TEST PERIOD

0

OIL-BBL

GAS-MCF

WATER-BBL

GAS-OIL RATIO

Trace

FLOW TUBING PRESS

SI-345psi

CASING PRESSURE

SI-350psi

CALCULATED 24-HOUR RATE

0

OIL-BBL

GAS-MCF

WATER-BBL

1bw/d

OIL GRAVITY-API.(CORR)

34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

35 LIST OF ATTACHMENTS

This is a Basin Fruitland Coal/Wildcat Fruitland Sand being commingled by DHC order #4413.

36 I hereby certify that the foregoing attached information is complete and correct as determined from all available records

SIGNED

Dennis Journey

TITLE

Staff Regulatory Technician

DATE

ACCEPTED FOR RECORD

9-7-11

SEP 03 2011

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FARMINGTON FIELD OFFICE  
BY

NMOCD

pc

API# 30-045*-35096		HEATON 7 100S			
Ojo Alamo	819'	942'	White, cr-gr ss.	Ojo Alamo	819'
Kirtland	942'	2050'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	942'
Fruitland	2050'	2479'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2050'
Pictured Cliffs	2479'	2683'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	2479'
Lewis			Shale w/siltstone stringers	Lewis	
Huerfanito Bentonite			White, waxy chalky bentonite	Huerfanito Bent.	
Chacra			Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	
Mesa Verde			Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	
Menefee			Med-dark gry, fine gr ss, carb sh & coal	Menefee	
Point Lookout			Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	
Mancos			Dark gry carb sh.	Mancos	
Gallup			Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	
Greenhorn			Highly calc gry sh w/thin lmst.	Greenhorn	
Graneros			Dk gry shale, fossil & carb w/pyrite incl.	Graneros	
Dakota			Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	
Morrison			Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

AMENDED PAGE 2  
RECEIVED

Sundry Notices and Reports on Wells

SEP 13 2011

1. Type of Well  
GAS

2. Name of Operator  
**BURLINGTON**  
RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Unit C (NENW), 740' FNL & 1495' FWL, Section 29, T31N, R11W, NMPM

Farmington Lease Number  
Bureau of Land Management

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Heaton 7 100S

9. API Well No.

30-045-35096

10. Field and Pool  
Basin Fruitland Coal/  
Wildcat Fruitland Sand

11. County and State  
Rio Arriba, NM

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

Type of Submission	Type of Action		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans	<input checked="" type="checkbox"/> Other — <u>COMPLETION</u>
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction	
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging	<input type="checkbox"/> Non-Routine Fracturing	
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off	
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection	

**13. Describe Proposed or Completed Operations**

PLEASE SEE ATTACHED.

**14. I hereby certify that the foregoing is true and correct.**

Signed Denise Journey Denise Journey

Title: Regulatory Technician Date 9/13/11

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

ACCEPTED FOR RECORD

SEP 14 2011

FARMINGTON FIELD OFFICE  
BY ser

*\*Amend add bottom hole location*

NMOCD

*fc*

HEATON 7 100S  
30-045-35096  
Burlington Resources  
Basin Fruitland Coal/Wildcat Fruitland Sand

**1/21/11** RU WL. TIH w/ 3 3/4" guage ring. Run GR/CCL/CBL logs. TOC @ 36'.  
**8/2/11** Install Frac Valve. PT csg to 5000# / 30 min. @ 8:15 hrs on 8/2/11. Test-OK.  
**8/3/11** RU WL to Perf **Lower Fruitland Coal** w/ .40" diam – 2SPF @ 2,440'-2,458'  
Total Holes – 36.  
**8/4/11** RU to Frac **Lower Fruitland Coal**. Acidize w/ 500 gal 10% Formic Acid.  
Frac w/ 21,168 gal 25# Linear 75% N2 foam w/ 54,314# 20/40 Brady Sand.  
N2: 871,200scf.  
Set CFP @ 2,432'  
Perf **Upper Fruitland Coal** w/ .40" diam – 3SPF @  
2,331' – 2,334' = 9 holes  
2,336' – 2,340' = 12 holes  
2,373' – 2,376' = 9 holes  
2,382' – 2,385' = 9 holes  
2,400' – 2,402' = 6 holes  
2,424' – 2,426' = 6 holes = 51 holes.  
Acidize w/ 500 gal 10% Formic Acid. Frac w/ 20,538 gal 25# Linear 75% N2  
Foam w/ 51,519# 20/40# Brady sand. N2: 840,200scf.  
Set CFP @ 2,290'  
Perf **Wildcat Fruitland Sand** w/ .40" diam – 2SPF @ 2,256'-2,274' = 36 holes.  
Acidize w/ 500 gal 10% Formic Acid. Frac w/ 8,022 gal 20# Linear 70Q N2 foam  
w/ 56,647# 20/40 Brady Sand. N2: 218,900scf. Start Flowback.  
**8/12/11** **MIRU AWS 448.**  
**8/15/11** TIH to set CBP @ 2,100'. ND WH. NU BOPE. PT BOPE – Test- OK. TIH, tag  
CBP @ 2,100' & DO.  
**8/16/11** TIH, tag CFP @ 2,190' & DO. CO & DO CFP @ 2,432'. CO to PBTD @ 2,678'.  
**Flowtest FC/FS.**  
**8/17/11** RU WL. TIH w/ CBP & set @ 2,300'. RD WL.  
**Flowtest FS.**  
**8/18/11** TIH. CO & DO CBP @ 2300'  
**8/19/11** TIH w/ 82 jts., 2 3/8", 4.7#, J-55 tubing. Blow/flow.  
**8/23/11** PU, land tbg w/ hanger @ 2,461' w/ FN @ 2,460'. ND BOPE. NU WH.  
RD RR @ 18:00 hrs on 8/23/11.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
AMENDEDSUBMIT IN DUPLICATE\*  
(See other instructions on reverse side)FOR APPROVED  
OMB NO. 1004-0137

Expires December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO

SF-078097

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

HEATON 7

8 FARM OR LEASE NAME, WELL NO

100S

9 API WELL NO

30-045-35096

10 FIELD AND POOL, OR WILDCAT

BASIN FRUITLAND COAL

11 SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 29, T31N, R11W

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL:

OIL

WELL

☐

GAS

WELL

☒

DRY

☐

Other

☐

b. TYPE OF COMPLETION.

NEW

WELL

☒

WORK

OVER

☐

DEEP-

EN

☐

PLUG

BACK

☐

DIFF

RESVR

☐

Other

☐

2. NAME OF OPERATOR

Burlington Resources Oil &amp; Gas Company

3 ADDRESS AND TELEPHONE NO.

PO BOX 4289, Farmington, NM 87499 (505) 326-9700

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface C (NENW), 740' FNL &amp; 1495' FWL

At top prod. interval reported below

Same as above

At total depth Same as above

14. PERMIT NO

DATE ISSUED

12 COUNTY OR

PARISH

San Juan

13 STATE

New Mexico

15 DATE SPUDDED

12/20/10

16. DATE T D REACHED

1/12/11

17 DATE COMPL. (Ready to prod.)

8/23/11

18 ELEVATIONS (DF, RKB, RT, BR, ETC)\*

GL-5953' / KB-5968'

19 ELEV CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

2,683'

21 PLUG, BACK T D., MD &amp; TVD

2,678'

22 IF MULTIPLE COMPL.

HOW MANY\*

2

23. INTERVALS

DRILLED BY

ROTARY TOOLS

yes

CABLE TOOLS

24 PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)\*

BASIN FRUITLAND COAL 2,331' - 2,458'

25. WAS DIRECTIONAL

SURVEY MADE

NO

26 TYPE ELECTRIC AND OTHER LOGS RUN

GR/CCL/CBL

27 WAS WELL CORED

No

28 CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
7", J-55	20#	225'	8 3/4"	Surface, 51 sx (82cf)	3 bbls
4 1/2", J-55	10.5#	2672'	6 1/4"	TOC @ 36', Surface, 253 sx (508cf)	32 bbls

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8", 4.7#		
					J-55	2,461'	

30 TUBING RECORD

31 PERFORATION RECORD (Interval, size and number)

Lower Fruitland Coal w/ .40" diam  
2SPF @ 2,440' - 2,458' = 36 holes  
Upper Fruitland Coal w/ .40" diam  
3SPF @ 2,331' - 2,426' = 51 holes  
Total FC Holes = 87

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

2,440' - 2,458'	Acidize w/ 500 gal 10% Formic Acid. Frac w/ 21,168 gal 25# Linear 75% N2 foam w/ 54,314# 20/40 Brady Sand. N2: 871,200scf.
2,331' - 2,426'	Acidize w/ 500 gal 10% Formic Acid. Frac w/ 20,538 gal 25# Linear 75% N2 foam w/ 51,519# 20/40 Brady Sand. N2: 840,200scf.

33

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)					WELL STATUS (Producing or shut-in)	
N/A		FLOWING					SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL	GAS--MCF	WATER--BBL		GAS/OIL RATIO
8/16/11	1	1/2"	→	0	36mcf/h	Trace		
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL	GAS--MCF	WATER--BBL		OIL GRAVITY-API (CORR)	
SI-345psi	SI-350psi	→	0	862mcf/d	1bw/d			

34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

This is a Basin Fruitland Coal/Wildcat Fruitland Sand being commingled by DHC Order #4413.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Dorise Journey

TITLE

Staff Regulatory Technicain

DATE

9/3/11 ACCEPTED FOR RECORD

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes 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.

SEP 14 2011

FARMINGTON FIELD OFFICE  
BY SCW

API# 30-045*-35096			HEATON 7 100S		
Ojo Alamo	819'	942'	White, cr-gr ss.	Ojo Alamo	819'
Kirtland	942'	2050'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	942'
Fruitland	2050'	2479'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2050'
Pictured Cliffs	2479'	2683'	Bn-Gry, fine grn, tight ss.	Pic. Cliffs	2479'
Lewis			Shale w/siltstone stringers	Lewis	
Huerfanito Bentonite			White, waxy chalky bentonite	Huerfanito Bent.	
Chacra			Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	
Mesa Verde			Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	
Menefee			Med-dark gry, fine gr ss, carb sh & coal	Menefee	
Point Lookout			Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	
Mancos			Dark gry carb sh.	Mancos	
Gallup			Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	
Greenhorn			Highly calc gry sh w/thin lmst.	Greenhorn	
Graneros			Dk gry shale, fossil & carb w/pyrite incl.	Graneros	
Dakota			Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	
Morrison			Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
AMENDED

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

FOR APPROVED

OMB NO. 1004-0137

Expires December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		5 LEASE DESIGNATION AND SERIAL NO. <b>SF-078097</b>	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/> Other <input type="checkbox"/>		6 IF INDIAN, ALLOTTEE OR TRIBE NAME	
2 NAME OF OPERATOR <b>Burlington Resources Oil &amp; Gas Company</b>		7 UNIT AGREEMENT NAME <b>HEATON 7</b>	
3 ADDRESS AND TELEPHONE NO <b>PO BOX 4289, Farmington, NM 87499 (505) 326-9700</b>		8 FARM OR LEASE NAME, WELL NO <b>100S</b>	
4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <b>C (NENW), 740' FNL &amp; 1495' FWL</b> At top prod. interval reported below <b>Same as above</b> At total depth <b>Same as above</b>		9 API WELL NO <b>30-045-35096</b>	
14 PERMIT NO.		12 COUNTY OR PARISH <b>San Juan</b>	
DATE ISSUED		13 STATE <b>New Mexico</b>	
15 DATE SPUNDED <b>12/10/10</b>	16 DATE T D REACHED <b>1/12/11</b>	17 DATE COMPL (Ready to prod) <b>8/23/11</b>	18 ELEVATIONS (DF, RKB, RT, BR, ETC)* <b>GL-5953' / KB-5968'</b>
20. TOTAL DEPTH, MD & TVD <b>2,683'</b>	21 PLUG, BACK T D, MD & TVD <b>2,678'</b>	22 IF MULTIPLE COMPL, HOW MANY* <b>2</b>	19 ELEV CASINGHEAD <b>yes</b>
24 PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* <b>WILDCAT FRUITLAND SAND 2,256-2,274'</b>			25 WAS DIRECTIONAL SURVEY MADE <b>No</b>
26 TYPE ELECTRIC AND OTHER LOGS RUN <b>GR/CCL/CBL</b>			27 WAS WELL CORED <b>No</b>

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
7", J-55	20#	225'	8 3/4"	Surface, 51 sx (82cf)	3 bbls
4 1/4", J-55	10.5	2672'	6 1/4"	TOC @ 36', Surface, 253 sx (508cf)	32 bbls
29 LINER RECORD			30 TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	DEPTH SET (MD)
					2 3/8", 4.7#
					J-55
					2,461'
31 PERFORATION RECORD (Interval, size and number)			32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
Wildcat Fruitland Sand w/ .40" diam 3 SPF @ 2,256' - 2,274' = 36 holes			2,256' - 2,274' Acidize w/ 500 gal 10% Formic Acid. Frac w/ 8,022 gal 20# Linear 70Q N2 foam w/ 50,647# 20/40 Brady Sand. N2: 218,900scf.		

DATE FIRST PRODUCTION <b>N/A</b>		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) <b>FLOWING</b>				WELL STATUS (Producing or shut-in) <b>SI</b>	
DATE OF TEST <b>8/16/11</b>	HOURS TESTED <b>1</b>	CHOKE SIZE <b>1/2"</b>	PROD'N FOR TEST PERIOD <b>0</b>	OIL--BBL <b>0</b>	GAS--MCF <b>7mcf/h</b>	WATER--BBL <b>Trace</b>	GAS/OIL RATIO
FLOW TUBING PRESS <b>SI-345psi</b>	CASING PRESSURE <b>SI-350psi</b>	CALCULATED 24-HOUR RATE <b>0</b>	OIL--BBL <b>0</b>	GAS--MCF <b>164mcf/d</b>	WATER--BBL <b>1bw/d</b>	OIL GRAVITY-API (CORR)	
34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc) <b>To be sold</b>						TEST WITNESSED BY	

35. LIST OF ATTACHMENTS  
**This is a Basin Fruitland Coal/Wildcat Fruitland Sand being commingled by DHC order #4413.**

36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Danise Journey TITLE Staff Regulatory Technicain DATE 8/23/11 **ACCEPTED FOR RECORD**

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes 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.

SEP 14 2011

FARMINGTON FIELD OFFICE  
BY ec

API# 30-045*-35096			HEATON 7 100S		
Ojo Alamo	819'	942'	White, cr-gr ss.	Ojo Alamo	819'
Kirtland	942'	2050'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	942'
Fruitland	2050'	2479'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2050'
Pictured Cliffs	2479'	2683'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	2479'
Lewis			Shale w/siltstone stringers	Lewis	
Huerfanito Bentonite			White, waxy chalky bentonite	Huerfanito Bent.	
Chacra			Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	
Mesa Verde			Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	
Menefee			Med-dark gry, fine gr ss, carb sh & coal	Menefee	
Point Lookout			Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	
Mancos			Dark gry carb sh.	Mancos	
Gallup			Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	
Greenhorn			Highly calc gry sh w/thin lmst.	Greenhorn	
Graneros			Dk gry shale, fossil & carb w/pyrite incl.	Graneros	
Dakota			Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	
Morrison			Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	