

Form 3160-4  
(October 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*  
(See other In-  
structions on  
reverse side)

FOR APPROVED  
OMB NO. 1004-0137

Expires, December 31, 1991

5 LEASE DESIGNATION AND SERIAL NO.

NM 03877

RECEIVED

JAN 08 2009

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT NAME

Bureau of Land Management

8 FARM OR LEASE NAME, WELL NO. Field Office

Leo Manning 100

9 API WELL NO.

30-045-34628

10. FIELD AND POOL, OR WILDCAT

Basin FC/Aztec PC

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

Sec. 11, T29N, R11W, NMPM

RCVD JAN 15 '09  
OIL CONS. DIV.

DIST. 3

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 Co., LP

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 Unit P (SESE), 926' FSL & 963' FEL

At Bottom

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 SPURRED

8/6/08

16 DATE T.D. REACHED

8/10/08

17. DATE COMPL. (Ready to prod.)

12/11/08

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

GL 5969'

KB

5980'

20. TOTAL DEPTH, MD & TVD

2187'

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

2129'

22. IF MULTIPLE COMPL. HOW MANY\*

2

23. INTERVALS DRILLED BY

Yes

ROTARY TOOLS

CABLE TOOLS

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

Fruitland Coal 1766' - 1829'

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR, CCL

25. WAS DIRECTIONAL  
SURVEY MADE

no

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#	136'	8 3/4"	Surface: 34sx (55cf)	3 bbl
4.5", J-55	10.5#	2172'	6 1/4"	Surface: 235sx (479cf)	24 bbl

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	1997'	

31 PERFORATION RECORD (Interval, size and number)



@25SPF  
1829' - 1826' = 6 holes 1778' - 1773' = 10  
1811' - 1805' = 12 holes 1770' - 1766' = 8  
1800' - 1796' = 8 holes  
1786' - 1780' = 12 holes  
1780' = 12 holes  
Total Holes = 56

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

1766' - 1829'  
Acidize w/12 bbls 10% Formic Acid, pumped 35 bbls 25# X-Linked Pre-Pad, 826 bbls 25# Linear 75% N2 Foam w/92,268  
20/40 BASF Sand, total N2 = 1,094,685.

33.

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)					WELL STATUS (Producing or shut-in)	
SI W/O Facilities		Flowing					SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL	GAS--MCF	WATER--BBL		GAS-OIL RATIO
12/11/08	1	1/2"		0	5.71mcf			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL	GAS--MCF	WATER--BBL		OIL GRAVITY-API (CORR )	
N/A	10#		0	137 mcf/d				

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

To be sold.

TEST WITNESSED BY

35 LIST OF ATTACHMENTS

This will be a Basin FC/Aztec PC well being DCH per order #2907AZ

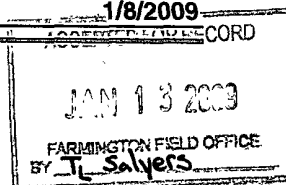
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Mary E. Moore TITLE Staff Regulatory Technician DATE 1/8/2009

\*(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.

NMOOD



Ojo Alamo	601'	732'	White, cr-gr ss.	Ojo Alamo	601'
Kirtland	732'	1552'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	732'
Fruitland	1552'	1959'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	1552'
Pictured Cliffs	1959'		Bn-Gry, fine grn, tight ss.	Pic.Cliffs	1959'

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**Bureau of Land Management  
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8 FARM OR LEASE NAME, WELL NO.

**Leo Manning 100**

9. API WELL NO.

**30-045-34628**

10. FIELD AND POOL, OR WILDCAT

**Basin FC/Aztec PC**

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

**Sec. 11, T29N, R11W, NMPM**

**RCVD JAN 15 '09**

**OIL CONS. DIV.**

**DIST. 3**

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 Co., LP**

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 **Unit P (SESE), 926' FSL & 963' FEL**

At Bottom

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

**8/6/08**

16. DATE T.D. REACHED

**8/10/08**

17. DATE COMPL. (Ready to prod.)

**12/11/08**

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

**GL 5969' KB 5980'**

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

**2187'**

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

**2129'**

22. IF MULTIPLE COMPL., HOW MANY\*

**2**

23. INTERVALS DRILLED BY

**Yes**

CABLE TOOLS

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

**Aztec PC 1948' - 1990'**

25. WAS DIRECTIONAL SURVEY MADE

**no**

26. TYPE ELECTRIC AND OTHER LOGS RUN

**GR, CCL**

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#	136'	8 3/4"	Surface: 34sx (55cf)	3 bbl
4.5", J-55	10.5#	2172'	6 1/4"	Surface: 235sx (479cf)	24 bbl

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	1997'	

31. PERFORATION RECORD (Interval, size and number)

**@1SPF**  
**1970' - 1990' = 20 holes**  
**1962' - 1970' = 8 holes**  
**@3SPF**  
**1953' - 1948' = 15 holes**  
**Total holes = 43**

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

**1948' - 1990'**  
**Acidize w/12 bbls 10% Formic Acid, pumped 445 bbls 20#**  
**Linear 70% N2 Foam w/101,422# BASF Sand. Total N2-515153**

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
SI W/O Facilities		Flowing				SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL	GAS—MCF	WATER—BBL	GAS-OIL RATIO
12/11/08	1	1/2"	→	0	5.75mcf	1.5 bw	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL	GAS—MCF	WATER—BBL	OIL GRAVITY-API (CORR.)	
N/A	10#	→	0	138 mcf/d	36 bwpd		

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

**To be sold.**

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

**This will be a Basin FC/Aztec PC well being DCH per order #2907AZ**

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

SIGNED *Michelle M...* TITLE **Staff Regulatory Technician**

DATE **1/8/2009**

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NMOC

ACCEPTED FOR RECORD

JAN 13 2009

FARMINGTON FIELD OFFICE  
BY *T. Solvers*

Ojo Alamo 601' 732'  
Kirtland 732' 1552'  
Fruitland 1552' 1959'  
Pictured Cliffs 1959'

White, cr-gr ss.  
Gry sh interbedded w/tight, gry, fine-gr ss.  
Dk gry-gry carb sh, coal, grn silts, light-  
med gry, tight, fine gr ss.  
Bn-Gry, fine grn, tight ss.

Ojo Alamo 601'  
Kirtland 732'  
Fruitland 1552'  
Pic.Cliffs 1959'

1959'  
1552'  
732'  
601'