

**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-079250**

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

**NMMN- 78411B-DK**

7. UNIT AGREEMENT NAME

**San Juan 28-5 Unit**

8 FARM OR LEASE NAME, WELL NO

**91N**

9 API WELL NO

**30-039-30446-0001**

10 FIELD AND POOL, OR WILDCAT

**Basin Dakota**

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

**Sec. 14, T28N, R5W**

**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 **E (SWNW), 1425' FNL & 910' FWL**

At top prod. interval reported below **C (NENW), 1182' FNL & 2186' FWL**

At total depth **C (NENW), 1182' FNL & 2186' FWL**

14. PERMIT NO

DATE ISSUED

12. COUNTY OR PARISH

**Rio Arriba**

13. STATE

**New Mexico**

15. DATE SPUDDED

**08/11/2008**

16 DATE TD REACHED

**08/09/2009**

17 DATE COMPL. (Ready to prod)

**11/11/2009**

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

**GL 6985' KB 7000'**

19 ELEV CASINGHEAD

20. TOTAL DEPTH, MD & TVD

**MD 8540' TVD 8291'**

21 PLUG, BACK TD, MD & TVD

**MD 8536' TVD 8287'**

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 Dakota 8440' - 8512'**

25 WAS DIRECTIONAL SURVEY MADE

**YES**

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
<b>9 5/8" / H-40</b>	<b>32.3#</b>	<b>276'</b>	<b>12 1/4"</b>	<b>Surface, 175sx(269cf-47bbbls)</b>	<b>1 bbl</b>
<b>7" / J-55</b>	<b>23#</b>	<b>4457'</b>	<b>8 3/4"</b>	<b>Surface, ST@3579'</b>	
<b>4 1/2" / L-80</b>	<b>11.6#</b>	<b>8538'</b>	<b>6 1/4"</b>	<b>689sx(1412cf-251bbbls)</b>	<b>55 bbbls</b>
				<b>TOC@730' , 310sx(621cf-163bbbls)</b>	

29

**LINER RECORD**

**TUBING RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					<b>2 3/8", 4.7#, L-80</b>	<b>8480'</b>	

31 PERFORATION RECORD (Interval, size and number)

**Dakota w/ .34" diam.  
1SPF @ 8440' - 8492' = 28 Holes  
2SPF @ 8496' - 8512' = 18 Holes**

**Dakota Total Holes = 46**

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

**8440' - 8512'**

**Acidize w/ 10bbbls 15% HCL. Frac w/ 68,840gals SlickWater w/ 37,432# of 20/40 Arizona Sand.**

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	
11/10/2009 ✓	1 hr.	1/2"	→	0	11 mcf/h	trace		
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL	GAS--MCF	WATER--BBL	OIL GRAVITY-API (CORR )		
SI - 696psi	SI - 539psi	→	0	259 mcf/d ✓	2 bwpd ✓			

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

**To be sold**

TEST WITNESSED BY

35 LIST OF ATTACHMENTS

**This is going to be a Basin Dakota/Blanco Mesa Verde well being DHC per order # 2799AZ**

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

SIGNED

*Catal Tafaya*

TITLE

**Regulatory Technician**

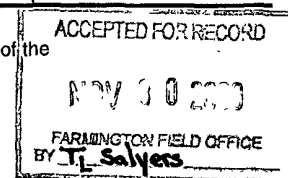
DATE

**11/24/2009**

\*(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.

**NMOCD**



RECEIVED  
NOV 24 2009  
Bureau of Land Management  
Farmington Field Office

at surface

API # 30-039-30446		San Juan 28-5 Unit 91N			
Ojo Alamo	3541'	3642'	White, cr-gr ss.	Ojo Alamo	3541'
Kirtland	3642'	3877'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	3642'
Fruitland	3877'	4172'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3877'
Pictured Cliffs	4172'	4366'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	4172'
Lewis	4366'	4821'	Shale w/siltstone stringers	Lewis	4366'
Huerfanito Bentonite	4821'	5160'	White, waxy chalky bentonite	Huerfanito Bent.	4821'
Chacra	5160'	5784'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	5160'
Mesa Verde	5784'	6058'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	5784'
Menefee	6058'	6397'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	6058'
Point Lookout	6397'	6834'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	6397'
Mancos	6834'	7567'	Dark gry carb sh.	Mancos	6834'
Gallup	7567'	8317'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	7567'
Greenhorn	8317'	8380'	Highly calc gry sh w/thin lmst.	Greenhorn	8317'
Graneros	8380'	8436'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	8380'
Dakota	8436'		Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	8436'
Morrison			Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

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b TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF RESVR ☐ Other ☐

5 LEASE DESIGNATION AND SERIAL NO  
SF-079250  
6 IF INDIAN, ALLOTTEE OR TRIBE NAME  
NANM-78411A-MV  
7 UNIT AGREEMENT NAME  
San Juan 28-5 Unit  
8 FARM OR LEASE NAME, WELL NO.  
91N

2 NAME OF OPERATOR  
Burlington Resources Oil & Gas Company  
3 ADDRESS AND TELEPHONE NO  
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At total depth C (NENW), 1182' FNL & 2186' FWL

9 API WELL NO  
30-039-30446-0002  
10 FIELD AND POOL, OR WILDCAT  
Blanco Mesaverde  
11 SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA  
Sec. 14, T28N, R5W

14. PERMIT NO. DATE ISSUED  
12 COUNTY OR PARISH  
Rio Arriba  
13 STATE  
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15 DATE SPUNDED  
08/11/2008  
16 DATE T D REACHED  
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17. DATE COMPL (Ready to prod)  
11/11/2009  
18 ELEVATIONS (DF, RKB, RT, BR, ETC.)  
GL 6985' KB 7000'  
19 ELEV CASINGHEAD  
20. TOTAL DEPTH, MD & TVD  
MD 8540' TVD 8291'  
21 PLUG, BACK T D, MD & TVD  
MD 8536' TVD 8287'  
22 IF MULTIPLE COMPL., HOW MANY\*  
2  
23 INTERVALS DRILLED BY  
ROTARY TOOLS  
yes  
24 PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)\*  
Blanco Mesaverde 5178' - 6598'  
25 WAS DIRECTIONAL SURVEY MADE  
YES  
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  
9 5/8" / H-40 32.3# 276' 12 1/4" Surface, 175sx(269cf-47bbbls) 1 bbl  
7" / J-55 23# 4457' 8 3/4" Surface, ST@3579' 689sx(1412cf-251bbbls) 55 bbbls  
4 1/2" / L-80 11.6# 8538' 6 1/4" TOC@730', 310sx(621cf-163bbbls)  
29 LINER RECORD 30 TUBING RECORD  
SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT\* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD)  
2 3/8", 4.7#, L-80 8480'

31 PERFORATION RECORD (Interval, size and number)  
Lower Menefee/Point Lookout w/ .34" diam.  
1SPF @ 6189' - 6598' = 26 Holes  
Cliffhouse/Upper Menefee w/ .34" diam.  
1SPF @ 5786' - 6124' = 26 Holes  
Lewis w/ .34" diam.  
1SPF @ 5178' - 5598' = 25 Holes  
Mesaverde Total Holes = 77  
32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
6189' - 6598' Acidize w/ 10bbbls 15% HCL. Frac w/ 121,900gals 60% SlickWater w/ 116,480# of 20/40 Arizona Sand. N2:1,388,600SCF.  
5786' - 6124' Acidize w/ 10bbbls 15% HCL. Frac w/ 113,500gals 60% SlickWater w/ 100,133# of 20/40 Arizona Sand. N2:1,245,100SCF.  
5178' - 5598' Acidize w/ 10bbbls 2% KCL. Frac w/ 100,300gals 75% ClearFrac w/ 86,220# of 20/40 Arizona Sand. N2:1,631,100SCF.

33 PRODUCTION  
DATE FIRST PRODUCTION N/A PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) FLOWING WELL STATUS (Producing or shut-in) SI  
DATE OF TEST 11/02/2009 HOURS TESTED 1 hr. CHOKE SIZE 1/2" PROD'N FOR TEST PERIOD 0 OIL-BBL 127 mcf/h GAS-MCF 0 bwph WATER-BBL 0 bwph GAS-OIL RATIO  
FLOW TUBING PRESS. SI - 696psi CASING PRESSURE SI - 539psi CALCULATED 24-HOUR RATE 0 OIL-BBL 3036 mcf/d GAS-MCF 0 bwph WATER-BBL 0 bwph OIL GRAVITY-API (CORR)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold TEST WITNESSED BY

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NMOC

ACCEPTED FOR RECORD  
NOV 30 2009  
FARMINGTON FIELD OFFICE  
BY TL Sales

sample 11

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