

**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

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 _____

5. LEASE DESIGNATION AND SERIAL NO
NM-0555078

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO
Helms Federal 100

2. NAME OF OPERATOR
BURLINGTON RESOURCES OIL & GAS CO. LP

9. API WELL NO.
30-045-34257-0002

3. ADDRESS AND TELEPHONE NO.
PO BOX 4289, Farmington, NM 87499 (505) 326-9700

10. FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal/Aztec FS N

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **Unit M (SWSW) 1025' FSL & 1290' FWL**

At top prod interval reported below

At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec.22, T30N, R10W, NMPM

14. PERMIT NO.		DATE ISSUED		12. COUNTY OR PARISH San Juan	13. STATE New Mexico
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15. DATE SPUNDED 5/29/2007	16. DATE T.D REACHED 7/21/2007	17. DATE COMPL. (Ready to prod.) 11/30/2007	18. ELEVATIONS (DF, RKB, RT, BR, ETC)* GL 6181' KB 6192'	19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD 3005'	21. PLUG, BACK T.D., MD & TVD 2946'	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)*
Aztec North Fruitland Sand 2420' - 2674'

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#	133'	8 3/4"	surface; 34 sx (54 cf)	2 bbls
4 1/2" J-55	10.5#	2988'	6 1/4"	surface; 359 sx (714 cf)	22 bbls

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
					2-3/8"	2784'
						PACKER SET (MD)

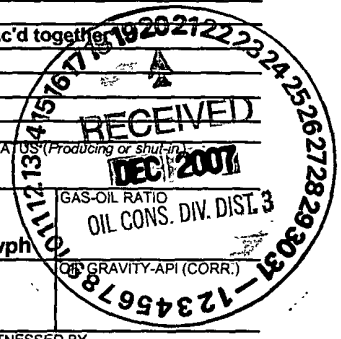
31. PERFORATION RECORD (Interval, size and number)
.32" @ 2 SPF
2536'-2570' = 24 holes
.32" @ 1 SPF
2420'-2664' = 27 holes
Total holes = 51

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

2410' - 2570'	500gls 15% HCL Acid, 2352gls 25# X-Link Prepad
	13,753gls 75Q N2 25# Linear Foamed pad
	122,000# 20/40 Brady sand
	Fruitland Coal & Sands were frac'd together

33. PRODUCTION

DATE FIRST PRODUCTION SI W/O Facilities	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	WELL STATUS (Producing or shut-in) SI
DATE OF TEST 11/29/2007	HOURS TESTED 1	CHOKE SIZE .5
PROD'N FOR TEST PERIOD	OIL-BBL 0 boph	GAS-MCF 21 mcf/h
WATER-BBL 1/2 bwph	GAS-OIL RATIO 12345678	OIL CONS. DIV. DIST. 3
FLOW. TUBING PRESS SI - 423#	CASING PRESSURE SI - 551#	CALCULATED 24-HOUR RATE 0 bopd
OIL-BBL 496 mcf/d	GAS-MCF 12 bwpd	WATER-BBL



34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
To be sold. W/O facilities to be set before first production.

35. LIST OF ATTACHMENTS
This is a FC/FS well being DHC per order #3877 AZ.

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

SIGNED Tom Anderson TITLE **Regulatory Technician** DATE **12/13/2007**

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

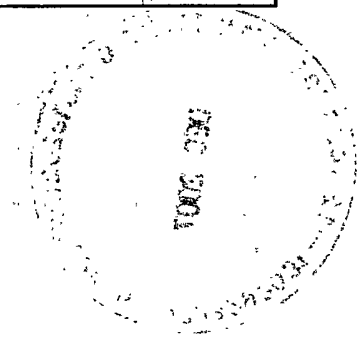
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

ACCEPTED FOR RECORD
DEC 18 2007
FARMINGTON FIELD OFFICE
BY T. Salves

Ojo Alamo	1456'	1578'	White, cr-gr ss.	Ojo Alamo	1456'
Kirtland	1578'	2338'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1578'
Fruitland	2338'	2813'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2338'
Pictured Cliffs	2813'	XXXX	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	2813'
Lewis	XXXX	XXXX	Shale w/siltstone stringers	Lewis	XXXX
Huerfanito Bentonite	XXXX	XXXX	White, waxy chalky bentonite	Huerfanito Bent.	XXXX
Chacra	XXXX	XXXX	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	XXXX
Mesa Verde	XXXX	XXXX	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	XXXX
Menefee	XXXX	XXXX	Med-dark gry, fine gr ss, carb sh & coal	Menefee	XXXX
Point Lookout	XXXX	XXXX	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	XXXX
Mancos	XXXX	XXXX	Dark gry carb sh.	Mancos	XXXX
Gallup	XXXX	XXXX	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg.interbed sh	Gallup	XXXX
Greenhorn	XXXX	XXXX	Highly calc gry sh w/thin lmst.	Greenhorn	XXXX
Graneros	XXXX	XXXX	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	XXXX
Dakota	XXXX	X	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks	Dakota	XXXX
Morrison	X		Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	X

10000



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30-045-34257-0001

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At surface **Unit M (SWSW) 1025' FSL & 1290' FWL**

At top prod. interval reported below

At total depth

RECEIVED
DEC 14 2007
Bureau of Land Management
PERMIT DIVISION

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San Juan

13. STATE
New Mexico

15. DATE SPUNDED **5/29/2007**

16. DATE T.D. REACHED **7/21/2007**

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18. ELEVATIONS (DF, RKB, RT, BR, ETC.)*
GL 6181' KB 6192'

19. ELEV. CASING HEAD

20. TOTAL DEPTH, MD & TVD
3005'

21. PLUG, BACK T.D., MD & TVD
2946'

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)*

Basin Fruitland Coal 2410' - 2784'

25. WAS DIRECTIONAL SURVEY MADE
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SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	2784'	

31. PERFORATION RECORD (Interval, size and number)

**.32" @ 2 SPF
2458'-2884' = 110 holes
.32" @ 1 SPF
2410'-2636' = 19 holes
Total holes = 129**

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

2410' - 2784'	500gls 15% HCL Acid, 2016gls 25# X-Link Prepad
	12,936gls 75Q N2 25# Linear Foamed pad
	124,000# 20/40 AZ sand
	Fruitland Coal & Sands were frac'd together

33. PRODUCTION

DATE FIRST PRODUCTION SI W/O Facilities	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	WELL STATUS (Producing, Shut-in, etc.) SI
DATE OF TEST 11/29/2007	HOURS TESTED 1	CHOKE SIZE .5
PROD'N FOR TEST PERIOD 0 boph	OIL—BBL 42 mcfh	GAS—MCF 1 bwph
FLOW TUBING PRESS SI - 423#	CASING PRESSURE SI- 551#	CALCULATED 24-HOUR RATE 0 bopd
		OIL—BBL 1006 mcf/d
		GAS—MCF 24 bwph
		WATER—BBL

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
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SIGNED Tamara Session TITLE **Regulatory Technician** DATE **12/13/2007**

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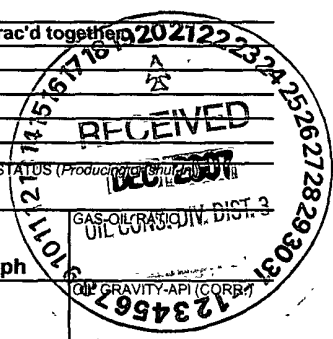
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Huerfanito Bentonite	XXXX	XXXX	White, waxy chalky bentonite	Huerfanito Bent.	XXXX
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Graneros	XXXX	XXXX	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	XXXX
Dakota	XXXX	X	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks	Dakota	XXXX
Morrison	X		Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	X

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