

Form 3160-4
(October 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

DIST 3
FOR APPROVED
OMB NO. 1004-0137

Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

22 NM-0555078

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Helms Federal #1F

9. API WELL NO.

30-045-34049

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec. 22 T30N R10W, NMPM

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 Unit L (NWSW) 2610' FSL, 820' 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

13. STATE

San Juan

New Mexico

15. DATE SPUDDED

1/18/07

16. DATE T.D. REACHED

2/27/07

17. DATE COMPL. (Ready to prod.)

3/15/07

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

GL 6217' KB 6230'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

7400'

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

7396'

22. IF MULTIPLE COMPL., HOW MANY*

1

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

yes

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

Basin Dakota 7188' - 7376'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Cased hole GR/CCL/CBL

27. WAS WELL CORED

No

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"	32.3# H-40	231'	12 1/4"	surface; 189 sx (202cf)	8 bbls	(includes squeeze)
7"	20# J-55	3074'	8 3/4" 420	surface; 535 sx (877 cf)	bbls	
4 1/2"	10.5# J-55	7398'	6 1/4"	TOC 1650' ; 485 sx (706cf)		

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
					2-3/8"	7299'

31. PERFORATION RECORD (Interval, size and number)

@2SPF

7188' - 7376'

Total holes = 56

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

7188' - 7376'

10 bbls 15% HCL Acid, Slickwater Pad from 50 to 55

bpm, pumped 40280# of 20/40 TLC Proppant. Pumped

108 bbls fluid flush

33. PRODUCTION

DATE FIRST PRODUCTION

SI

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

Flowing

WELL STATUS (Producing or shut-in)

SI

DATE OF TEST

3/15/07

HOURS TESTED

1

CHOKE SIZE

1/2"

PROD'N FOR TEST PERIOD

OIL-BBL

GAS-MCF

24.78 mcf

WATER-BBL

GAS-OIL RATIO

FLOW. TUBING PRESS.

SI 1325#

CASING PRESSURE

SI 1406#

CALCULATED 24-HOUR RATE

OIL-BBL

GAS-MCF

594.89 mcf/d

WATER-BBL

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 will be a stand alone Basin Dakota well.

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

SIGNED

Macey V. Monroe

TITLE

Regulatory Technician

DATE 3/20/07

*(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.

ACCEPTED FOR RECORD

MAR 23 2007

FARMINGTON FIELD OFFICE

NMOC

Ojo Alamo	1478'	1615'
Kirtland	1615'	2288'
Fruitland	2288'	2836'
Pictured Cliffs	2836'	3004'
Lewis	3004'	3545'
Huerfanito Bentonite	3545'	3804'
Chacra	3804'	4291'
Mesa Verde	4291'	4604'
Menefee	4604'	5090'
Point Lookout	5090'	5437'
Mancos	5437'	6341'
Gallup	6341'	7077'
La Ventana	XXXX	XXXX
Greenhorn	7077'	7131'
Graneros	7131'	7185'
Dakota	7185'	

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.
 Shale w/siltstone stringers
 White, waxy chalky bentonite
 Gry fn grn silty, glauconitic sd stone
 w/drk gry shale
 Light gry, med-fine gr ss, carb sh
 & coal
 Med-dark gry, fine gr ss, carb sh & coal
 Med-light gry, very fine gr ss w/frequent
 sh breaks in lower part of formation
 Dark gry carb sh.
 Lt gry to brn calc carb micac glauc
 silts & very fine gr gry ss w/irreg. interbed sh
 wt to lt buff to med grn sl carb bent
 Highly calc gry sh w/thin lmst.
 Dk gry shale, fossil & carb w/pyrite incl.
 Lt to dk gry foss carb sl calc sl silty
 ss w/pyrite incl thin sh bands clay & shale breaks

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