

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Submit in Duplicate\*

5. Lease Designation & Serial #: SF 079-045

6. If Indian, Allottee/Tribe Name

WELL COMPLETION OR RECOMPLETION AND LOG

1a. Type of Well: oil well ☐ gas well ☒ dry ☐ other ☐  
b. Type of Completion: new well ☒ work over ☐ ☐  
plug back ☐ diff. resvr. ☐ other ☐

2. Name of Operator: Blackwood & Nichols Co., Ltd.

3. Address of Operator: P.O. Box 1237, Durango, Colorado 81302-1237

4. Location of Well: (Report location clearly, in accordance with any State requirements)\*

At surface

At top prod. interval reported below

2330' FNL, 150' FEL

At total depth

Permit No.: 30-045-27320

7. Unit Agreement Name:  
Northeast Blanco Unit

8. Farm or Lease Name:  
Northeast Blanco Unit

9. Well No.:  
414

10. Field and Pool, or Wildcat:  
Basin Fruitland Coal

11. Sec., T., M., or Block and  
Survey or Area:  
Sec. 30, T31N, R7W

12. County or Parish:  
San Juan

13. State:  
NM

15. Date Spudded: 11-11-89 16. Date TD Reached: 11-27-89 17. Date Compl. (ready to produce): 12-05-89 18. Elev. (DF, RKB, RT, GR, Etc)\* 6376' GL 19. Elev. Csgd. 0000'

20. Total Depth, MD & TVD: 3282' 21. Plug Back TD, MD & TVD: 3282' 22. If Mult. Comp.: How Many\* N/A 23. Intervals Drilled By: Rotary Tools TD Cable Tools No

24. Producing Interval(s), of this completion - Top, Bottom, Name (MD and TVD)\*:  
Fruitland Basin Coals, open hole completion from 2925' to 3282'

25. Was Directional Survey Made?  
Yes

26. Type Electric and Other Logs Run:

Mud Log

27. Was Well Cored?  
No

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

Casing Size	Weight, LB/FT	Depth Set (MD)	Hole Size	Cementing Record	Amount Pulled
9.625	36# J-55	330'	12.25"	389 cf of Class B	14 Bbls Circ. Cement
7.000"	23# J-55	2925'	8.75"	718 cf of Class B poz 65/35	
				148 cf of Class B Neat	38 Bbls Circ. Cement

LINER RECORD

TUBING RECORD

Size	Top (MD)	Bottom (MD)	Sacks Cmt*	Screen (MD)	Size	Depth Set (MD)	Packer Set (MD)
5.50"	2849'	3281'	None	N/A	2.875"	3110'	N/A

31. Perforation Record (Interval, size and number):  
8 HPF, 1", .625" ID

2977' - 2995' 3119' - 3157'  
3018' - 3035' 3159' - 3177'  
3059' - 3097' 3260' - 3278'

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

Depth Interval (MD) Amount and Kind of Material Used  
2925' - 3282' Natural, stress relieved the coal zones.

33. PRODUCTION

Date First Production: Waiting on pipeline Production Method (Flowing, gas lift, pumping-size and type of pump): Flowing during completion operation, wet gauge Well Status (shut-in): Shut-in

Date of Test: 12-05-89 Hours Tested: 2 Hrs. Choke Size: 3/4" Prod'n For Test Period: Oil-Bbl 0.00 Gas-MCF 0.00 Water-Bbl 0.00 Gas-Oil Ratio 0.00

Flow. Tubing Press: N/A Casing Pressure: 1520 Calculated 24 HR Rate: Oil-Bbl Gas-MCF 3178 MCFD Water-Bbl 2160 BWD Oil Gravity-API

34. Disposition of Gas (Sold, used for fuel, vented, etc):

Vented

Test Witnessed By:

M. Dwinett

35. List of Attachments:

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

Signed: William F. Clark Title: Operations Manager Date: 16 Jan 90

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC
No Electric Logs run; only a Mud Log through the Fruitland Coal Zones:			
Fruitland Coal Zones:	2980'	2981'	
	2983'	2986'	
	3034'	3036'	
	3041'	3042'	
	3060'	3061'	
	3072'	3080'	
	3118'	3121'	
	3124'	3138'	
	3140'	3144'	
	3163'	3176'	
	3265'	3280'	

**RECEIVED**  
JAN 26 1990  
OIL CON. DIV.  
DIST. 3

38.

GEOLOGICAL MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2198' *	
Kirtland	2303' *	
Fruitland	2913' *	
* Inferred from offset Well Logs		