

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Submit in Duplicate*

WELL COMPLETION OR RECOMPLETION AND LOG *

1a. Type of Well: oil well ☐ gas well ☒ dry ☐ other ☐
b. Type of Completion: new well ☒ work over ☐ deepen ☐
plug back ☐ diff. resvr. ☐ other ☐
2. Name of Operator: Blackwood & Nichols Co., Ltd.
3. Address of Operator: P.O. Box 1237, Durango, Colorado 81302
4. Location of Well: (Report location clearly, in accordance with any State requirements)*
At surface
At top prod. interval reported below 1070' FSL, 465' FEL
At total depth

Permit No.:
30-039-24641

5. Lease Designation & Serial #: SF-079043
6. If Indian, Allottee/Tribe Name
7. Unit Agreement Name: NE Blanco Unit
8. Farm or Lease Name: NE Blanco Unit
9. Well No.: 421R
10. Field and Pool, or Wildcat: Basin Fruitland Coal
11. Sec., T., M., or Block and Survey or Area: Sec 4, T30N, R7W
12. County or Parish: Rio Arriba 13. State: NM

15. Date Spudded: 3-31-90 16. Date TD Reached: 4-13-90 17. Date Compl. (ready to produce): 4-23-90 18. Elev. (DF, RKB, RT, GR, Etc)* 6224' KB 19. Elev. Csgd. 6210' GL

20. Total Depth, MD & TVD: 3112' 21. Plug Back TD, MD & TVD: 3112' 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 2883' to 3112'
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# K-55	3 1/2' 315'	12.25"	413 cf Class B Neat	23 Bbls Circ. Cement
7.000"	23# K-55	2882'	8.75"	738 cf 65/35 Poz Mix	748 1/2
				148 cf of Class G Neat	29 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"	2810'	3111'	None	N/A	2.875"	2907'	N/A

31. Perforation Record (Interval, size and number):

5.5" Uncemented pre-perfed liner
2879' - 3109' (HPF - 0.625")

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

Depth Interval (MD)	Amount and Kind of Material Used
2883'-3112'	Natural, stress relieved the coal zones.

33. PRODUCTION

Date First Production: W/O 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: 4-23-90 Hours Tested: 1 Hr. Choke Size: 2" pitot Prod'n For Test Period: Oil-Bbl N/A Gas-MCF N/A Water-Bbl N/A Gas-Oil Ratio N/A
Flow. Tubing Press: 1250 psig Casing Pressure: (shut-in) 1250 psig Calculated 24 HR Rate: Oil-Bbl N/A Gas-MCF 22,932 MCF Water-Bbl N/A Oil Gravity-API N/A

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

Vented

35. List of Attachments:

36. I hereby certify that the foregoing and attached information in complete and correct as determined from all available records
Signed: Roy W. Williams, Title: Administrative Manager BY: [Signature] date: 7/16/90

(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.

RECEIVED

AUG 13 1990

OIL CON. DIV
DIST. 3

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
NEBU# 421R Fruitland:	2887'	2889'	
	2895'	2897'	
	2922'	2932'	
	2934'	2941'	
	2944'	2963'	
	2972'	2980'	
	3005'	3006'	
	3100'	3110'	

38. GEOLOGICAL MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Top of Picture Cliffs Tongue	3007'	
Picture Cliffs	3110'	