

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 81302-1237
4. Location of Well: (Report location clearly, in accordance with any State requirements)*
At surface 795' FSL, 1825' FEL
At top prod. interval reported below
At total depth
Permit No.: 30-039-24339

5. Lease Designation & Serial #: NM-013706A
6. If Indian, Allottee/Tribe Name
7. Unit Agreement Name: Northeast Blanco Unit
8. Farm or Lease Name: Northeast Blanco Unit
9. Well No.: 431
10. Field and Pool, or Wildcat: Basin Fruitland Coal
11. Sec., T., M., or Block and Survey or Area: Sec. 17, T. 17N, R. 17E
12. County or Parish: Rio Arriba
13. State: NM

15. Date Spudded: 10-22-89
16. Date TD Reached: 6-29-90
17. Date Compl. (ready to produce): 7-9-90
18. Elev. (DF, RKB, RT, GR, Etc)* 6305' KB
19. Elev. Csgd. 6291' GL
20. Total Depth, MD & TVD: 3182'
21. Plug Back TD, MD & TVD: 3182'
22. If Mult. Comp.: How Many* N/A
23. Intervals Drilled By: Rotary Tools TD
24. Producing Interval(s), of this completion - Top, Bottom, Name (MD and TVD)*: Fruitland Basin Coals, open hole completion from 2931' to 3182'
25. Was Directional Survey Made? Yes
26. Type Electric and Other Logs Run: Mud Log
27. Was Well Cored? No

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	342'	12.25"	354 cf of Class B Neat	24 Bbls Circ. Cement
7.000"	23# J-55	2931'	8.75"	705 cf Class B Poz Mix	
				148 cf of Class B	14 Bbls Circ. Cement

TUBING RECORD						
Size	Top (MD)	Bottom (MD)	Sacks Cmt*	Screen (MD)	Size	Depth Set (MD)
5.500"	2855'	3182'	None	N/A	2.875"	3071'

31. Perforation Record (Interval, size and number):
5.5" Uncemented Pre-perfed Liner
2936-3003'; 3025-3180';
(8 HPF, 0.625)
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
Depth Interval (MD): 2931' - 3182'
Amount and Kind of Material Used: 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: 7-8-90
Hours Tested: 1 Hr.
Choke Size: 3/4" choke
Prod'n For Test Period: N/A
Oil-Bbl N/A
Gas-MCF N/A
Water-Bbl N/A
Gas-Oil Ratio N/A
Flow. Tubing Press: 380 psig
Casing Pressure: 1450 psig
Calculated 24 HR Rate: N/A
Oil-Bbl N/A
Gas-MCF 5051 MCFD
Water-Bbl 411 BBL
Oil Gravity-API N/A
34. Disposition of Gas (Sold, used for fuel, vented, etc): Vented
Test Witnessed By: J. Weatherford
FARMINGTON RESOURCE AREA

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 Date: 7/26/90
(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	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
NEBU# 431 Fruitland Coal Zones:	2972'	2973'		Top PC	3180'	
	2974'	2975'				
	2998'	2999'				
	3001'	3002'				
	3015'	3016'				
	3055'	3057'				
	3058'	3060'				
	3068'	3074'				
	3075'	3076'				
	3078'	3079'				
	3081'	3085'				
	3109'	3111'				
	3113'	3116'				
	3118'	3120'				
	3124'	3125'				
	3142'	3143'				
	3144'	3149'				
	3152'	3154'				
	3170'	3172'				
	3173'	3175'				

38. GEOLOGICAL MARKERS