

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Submit in Duplicate*

5. Lease Designation & Serial #:
SF-079042

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 ☐ 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 210' FNL, 1900' FEL
At total depth

Permit No.:
30-045-27327

7. Unit Agreement Name:
NE Blanco Unit

8. Farm or Lease Name:
NE Blanco Unit

9. Well No.:
451

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

11. Sec., T., M., or Block and Survey or Area:
Sec 6, T30N, R7W

12. County or Parish: San Juan 13. State: NM

15. Date Spudded: 08-21-89 16. Date TD Reached: 03-21-90 17. Date Compl. (ready to produce): 03-30-90 18. Elev. (DF, RKB, RT, GR, Etc)* 6206' KB 19. Elev. Csgd. 6192' GL

20. Total Depth, MD & TVD: 3096' 21. Plug Back TD, MD & TVD: 3096' 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 2869' to 3096' 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	312'	12.25"	218 cf Class G Neat	35 Bbls Circ. Cement
7.000"	23# K-55	2869'	8.75"	792 cf 65/35 Poz Mix	
				115 cf of Class B Neat	20 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"	2820'	3095'	None	N/A	2.875"	3015'	N/A

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

5.5" Uncemented pre-perfed liner
2894.42'-2911.34'; 2973.27'-3029.18'
3051.05-3091.76' (8HPF, 0.625")

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

Depth Interval (MD)	Amount and Kind of Material Used
2869'-3096'	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: 03-26-90 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: 1590 psig Casing Pressure: (shut-in) 1610 psig Calculated 24 HR Rate: Oil-Bbl N/A Gas-MCF 4.206 MMCFPD Water-Bbl 1070 BWD Oil Gravity-API N/A

34. Disposition of Gas (Sold, used for fuel, vented, etc): Vented Test Witnessed By: M. L. Smith

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: WILLIAM F. CLARK Title: OPERATIONS MANAGER

(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
NEBU # 451			No Electric Logs run; only a Mud Log through the Fruitland Coal Zones:
Fruitland:			Coal Zones
	2890'	2893'	
	2896'	2898'	
	2902'	2903'	
	2905'	2906'	
	2908'	2909'	
	2973'	2979'	
	2983'	2984'	
	2987'	2988'	
	3001'	3004'	
	3007'	3009'	
	3052'	3056'	
	3058'	3060'	
	3083'	3093'	

38. GEOLOGICAL MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2020' *	
Kirtland	2160' *	
Fruitland	2880' *	
* Projected from Offset Well Logs		