

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Submit in Duplicate*

5. Lease Designation & Serial #: SF-079043

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 81302-1237

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

At surface

At top prod. interval reported below

260' FNL, 2465' FEL

At total depth

Permit No.: 30-045-27245

7. Unit Agreement Name:
Northeast Blanco Unit

8. Farm or Lease Name:
Northeast Blanco Unit

9. Well No.:
455

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

11. Sec., T., M., or Block and
Survey or Area:
Sec. 31, T31N, R7W

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

15. Date Spudded: 9-11-89 11-19-89
16. Date TD Reached: 09-25-89
17. Date Compl. (ready to produce): 10-11-89
18. Elev. (DF, RKB, RT, GR, Etc)* 6415' GL
19. Elev. Csgd. 0000'

20. Total Depth, MD & TVD: 3312'
21. Plug Back TD, MD & TVD: 3312'
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 3082' to 3312'

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	368'	12.25"	460 cf of Class G	
			8.75"	124 cf of Dowell RFC	Grouted backside
				230 cf of Class G	15 Bbls Circ. Cement
7.000"	23# K-55	3,000'	8.75"	797 cf & 115 cf of 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	2913'	3311'	None	N/A	2.875"	3106'	N/A

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

Open hole completion with an uncemented pre-perforated liner.

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

Depth Interval (MD)	Amount and Kind of Material Used
3082' - 3312'	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:	Hours Tested:	Choke Size:	Prod'n For Test Period:	Oil-Bbl	Gas-MCF	Water-Bbl	Gas-Oil Ratio
10-10-89	4.5 Hrs.	3/4" choke		N/A	N/A	N/A	N/A
Flow. Tubing Press:	Casing Pressure:	Calculated	Oil-Bbl	Gas-MCF	Water-Bbl	Oil Gravity-API	
220 psig	N/A	24 HR Rate:	N/A	2,868 MCFD	2,057 BWD	N/A	

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

Vented

Test Witnessed By: M. Dwinell

35. List of Attachments:

WOOD

Chief, Branch of Mineral Resources

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: _____

(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):

#455

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC
No Electric Logs run;	only a Mud Log	through the Fruitland Coal Zones:	NEBU# 455
Fruitland Coal Zones:	3082'	3086'	
	3162'	3177'	
	3181'	3203'	
	3211'	3222'	
	3225'	3228'	
	3262'	3266'	
	3286'	3295'	
	3298'	3311'	

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OIL CON. DIV.
DIST. 3

38. GEOLOGICAL MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2230' *	
Kirtland	2330' *	
Fruitland	3000' *	
* Inferred from offset Well Logs		