

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 X dry ___ other ___
b. Type of Completion: new well X 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

1785' FNL, 1770' FEL

At total depth

Permit No.: 30-045-27507

5. Lease Designation & Serial #: NM-03356

6. If Indian, Allottee/Tribe Name

7. Unit Agreement Name: Northeast Blanco Unit

8. Farm or Lease Name: Northeast Blanco Unit

9. Well No.: 452

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

11. Sec., T., M., or Block and Survey or Area: Sec. 15, T31N, R7W

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

15. Date Spudded: 11-19-89 16. Date TD Reached: 12-19-89 17. Date Compl. (ready to produce): 12-29-89 18. Elev. (DF, RKB, RT, GR, Etc)* 6539' GL 19. Elev. Csgd. 0000'

20. Total Depth, MD & TVD: 3425' 21. Plug Back TD, MD & TVD: 3425' 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 3165' to 3425' 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	321'	12.25"	295 cf of Class B	16 Bbls Circ. Cement
7.000"	23# J-55	3001'	8.75"	731 cf of Class G	
				144 cf of Class G	22 Bbls Circ. Cement

LINER RECORD

TUBING RECORD

Size	Top (MD)	Bottom (MD)	Sacks Cmt*	Screen (MD)	Size	Depth Set (MD)
5.50	2956'	3424'	None	N/A	2.875"	3228.87'

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

3165' - 3424'

Natural, stress relieved the coal zones.

Accepted For Record

33. PRODUCTION

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

Date of Test: 12-29-89 Hours Tested: 3 Hrs. Choke Size: 3/4" choke Prod'n For Test Period: Oil-Bbl N/A Gas-MCF N/A Water-Bbl Chief, Branch of Mineral Resources, Farmington Resource Area Gas-UTL Ratio N/A Flow. Tubing Press: 480 psig Casing Pressure: 1460 psig Calculated 24 HR Rate: Oil-Bbl N/A Gas-MCF 1,385 MCFD Water-Bbl 850 BWD Oil Gravity-API N/A

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

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: 1 Mar 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 or the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

7. 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			
Fruitland Coal Zones:	3165	3174'	NEBU# 452
	3209'	3211'	
	3213'	3215'	
	3216'	3219'	
	3220'	3222'	
	3228'	3230'	
	3241'	3242'	
	3289'	3293'	

38. GEOLOGICAL MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2193' *	
Kirtland	2343' *	
Fruitland	2990' *	
* Inferred from offset Well Logs		