

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Submit in Duplicate*

5. Lease Designation & Serial #: **SF-079045**

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 **1330' FNL, 1330' FEL**
At total depth

Permit No.:
30-045-27318

7. Unit Agreement Name:
NE Blanco Unit

8. Farm or Lease Name:
NE Blanco Unit

9. Well No.:
472

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

11. Sec., T., R., or Block and Survey or Area:
Sec 29, T31N, R7W

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

15. Date Spudded: **01-04-90** 16. Date TD Reached: **02-10-90** 17. Date Compl. (ready to produce): **02-21-90** 18. Elev. (DF, RKB, RT, GR, Etc)* **6451' KB** 19. Elev. Csghd. **6437' GL**

20. Total Depth, MD & TVD: **3337'** 21. Plug Back TD, MD & TVD: **3337'** 22. If Mult. Comp.: How Many* **N/A** 23. Intervals Drilled By: **TD** 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 3073' to 3337'

25. Was Directional Survey Made?
Yes

26. Type Electric and Other Logs Run:
Mud Log, GR/ID, Density/Neutron Logs

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	306'	12.25"	295 cf of Class B Neat	23 Bbls Circ. Cement
7.000"	23# J-55	3073'	8.75"	716 cf of G POZ MIX	
				148 cf of Class G Neat	19 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"	3017'	3336'	None	N/A	2.875"	3235'	N/A

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

**5-1/2" predrilled uncemented liner
3078-3119', 3160-3213' (8 HPF, 0.625")
3237-3253', 3296-3333'**

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

Depth Interval (MD)	Amount and Kind of Material Used
3073-3336'	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**

Date of Test: 02-12-90	Hours Tested: 1 hr.	Choke Size: 3/4"	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: 5.7	Casing Pressure: 80	Calculated 24 HR Rate:	Oil-Bbl N/A	Gas-MCF 1,600 MCFD	Water-Bbl 5800 BWD	Oil Gravity-API N/A	

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

Vented

Count Witnessed By: **J. Bowden**

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** WILLIAM F. CLARK Title: **OPERATIONS MANAGER** Date: **19 Mar 90**

(See Instructions and Spaces for Additional Data on Reverse Side)

3. 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):

38.

GEOLOGICAL MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Fruitland:	3092'	3095'	Fruitland Coal Zones	Ojo Alamo	2332' *	
	3106'	3108'		Kirtland	2427' *	
	3159'	3172'		Fruitland	2997' *	
	3173'	3188'		* Projected from Offset Well Logs		
	3189'	3193'				
	3207'	3217'				
	3244'	3245'				
	3253'	3255'				
	3311'	3321'				
	3324'	3335'				
Upper Pictured Cliffs	3256'	3311'	DST #2 - Upper Pictured Cliffs zones (tongue) from 3256' to 3286' on 2-09-90 (Howco). Pressures from bomb #2 at 3282' and flow results: Initial mud hydrostatic - 1816 psig; initial flow, 10 min. - 40 to 33 psi, gauged 6 oz. on 1/8" line, no gas to surface; initial shut-in, 30 min. - 187 psig; final flow, 60 min. - 33 to 33 psi, gauged 7 to 9 oz., no gas to surface; final shut-in, 180 min. - 1145 psig; final mud hydro-static - 1816 psig. Successful test, bottomhole temperature - 104°F. Recovered 30' of gas cut mud. Sample chamber - 7 psig; zero gas, zero water, 2240 cc mud.			
Main Pictured Cliffs	3335'	3337' TD				

RECEIVED
OIL CON. DIV.
MAR 30 1980