

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other ☐

2. NAME OF OPERATOR
Blackwood & Nichols Co., Ltd.

3. ADDRESS OF OPERATOR
P. O. Box 1237, Durango, CO 81302

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)
At surface 900' F/NL, 1350' F/EL
At top prod. interval reported below Same
At total depth Same

RECEIVED
MAR 21 PM 1:32
FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

5. LEASE DESIGNATION AND SERIAL NO.
SF 079060

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME NEBU
Agreement No. I, Sec. 929

8. FARM OR LEASE NAME
Northeast Blanco Unit

9. WELL NO.
413

10. FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
B-20-30N-7W

14. PERMIT NO. 30-039-24216

15. DATE SPUDDED 5-25-88

16. DATE T.D. REACHED 6-1-88

17. DATE COMPL. (Ready to prod.) 11-16-88

18. ELEVATIONS (OF, RKB, RT, OR, ETC.)* 6379' GL, 6391' KB

19. ELEV. CASINGHEAD 6379'

20. TOTAL DEPTH, MD & TVD 3520'

21. PLUG, BACK T.D., MD & TVD 3476'

22. IF MULTIPLE COMPL., HOW MANY* Mp

23. INTERVALS DRILLED BY TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
3152' - 3265', Fruitland Coal Section

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CCL Induction, Density, Neutron, Sonic, CBL, GR,

27. WAS WELL CORED Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36# J-55	319'	12 1/4"	295 cf Class B	Circulated
7"	23# N-80	3521'	8 3/4"	132 cf Class G	
				561 cf 65/35 Poz	244' Temp. Surf.
				118 cf Class G	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	3350'	None

31. PERFORATION RECORD (Interval, size and number)
3255' to 3265', 3226' - 3242', 3192' - 3206', 3208' - 3211' with 4 SPF, .68" 4 SPF, 3254.5 to 3264.5, 3225.5 to 3241.5 3207.5 to 3210.5 and 3191.5 to 3205.5, 3166.5 to 3185.5, 3151.5 to 3166.5 for 292 holes. 48"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3152 - 3265	82,000 gal. 30# X-Link Borate Gel
	40,000# 40/70 sand, 220,000# 12/20 Brady sand

33.* PRODUCTION

DATE FIRST PRODUCTION Not connected

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS (Producing or 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
None							

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Production test to be made when pipeline connection available

35. LIST OF ATTACHMENTS
None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED William F. Clark Operations Manager DATE March 14, 1989

*(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):				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH
Ojo Alamo	2260'	2380'	Sandstone, siltstone, mudstone, water	Ojo Alamo Kirtland Fruitland Pic. Cliffs	2260'
Fruitland	2962'	3300'	Shale, siltstone, coal, hydrocarbon, water		2380'
Pictured Cliffs	3300'	TD	Sandstone, siltstones, shale, water		2962'
Core #1	3157'	3177'	Core 20', recovered 15', coal		3300'
Core #2	3194'	3210'	Core 16', recovered 16', 5' of shale, 11' of coal Mostly v. friable 3209' - 3210' - shale 3207' - 3209' - coal 3020'5' - 3207' - shale 3194' - 3202.5' - coal		
Core #3	3227'	3239'	Core 12', recovered 11.8' Most all core coal with few thin shale streaks.		
Core #4	3255'	3267'	Core 12', recovered 11.1' 3255' - 63' (8') coal 3264' - 67' (3') sandstone		
No DST's					