

WELL COMPLETION OR RECOMPLETION LOG

RECEIVED
MAR 26 1990
OIL CON. DIV.

1a. Type of Well: oil well ☐ gas well ☒ dry ☐
b. Type of Completion: new well ☒ work over ☐ deepen ☐
plug back ☐ diff. resvr. ☐ other ☐
2. Name of Operator: Blackwood & Nichols Co., Ltd. DIST. 3
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 1075' FNL, 790' FEL
At total depth

Unit Agreement Name:
NE Blanco Unit
8. Farm or Lease Name:
NE Blanco Unit
9. Well No.:
428
10. Field and Pool, or Wildcat:
Basin Fruitland Coal
11. Sec., T., M., or Block and
Survey or Area:
Sec 24, T31N, R7W
12. County or Parish: San Juan 13. State: NM

15. Date Spudded: 11-24-89 16. Date TD Reached: 01-07-90 17. Date Compl. (ready to produce): 01-23-90 18. Elev. (DF, RKB, RT, GR, Etc)*: 6443' GL 19. Elev. Csghd. 6443'
20. Total Depth, MD & TVD: 3384' 21. Plug Back TD, MD & TVD: 3384' 22. If Mult. Comp.: How Many* N/A 23. Intervals Drilled By: TD 24. Producing Interval(s), of this completion - Top, Bottom, Name (MD and TVD)*: Fruitland Basin Coals, open hole completion from 3065' to 3384' 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	316'	12.25"	295 cf of Class B Neat	17 Bbls Circ. Cement
7.000"	23# L-80	3062'	8.75"	778 cf G POZ MIX	
				144 cf of Class G	10 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"	2993'	3384'	None	N/A	2.875"	3260'	N/A

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

8 HPF, 0.625"
3081-3101', 3140-3181'
3201-3282', 3361-3382'

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

Depth Interval (MD)	Amount and Kind of Material Used
3062-3384'	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: 01-23-90 Hours Tested: 5 Hr. Choke Size: 3/4" Prod'n For Test Period: N/A Oil-Bbl N/A Gas-MCF N/A Water-Bbl N/A Gas-Oil Ratio N/A
Flow. Tubing Press: 380 psig Casing Pressure: Calculated 24 HR Rate: N/A Oil-Bbl N/A Gas-MCF 4,847 MCFD Water-Bbl 780 BWD N/A

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

Vented

Test Witnessed by:
Chief, Branch of M. L. Smith
Mineral Resources
Farmington Resource Area

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 Date: 12 Mar 90

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

17. 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 through the Fruitland Coal Zones:			
NEBU# 428 Fruitland Coal Zones:	3149'	3163'	
	3212'	3222'	
	3224'	3241'	
	3264'	3277'	
	3367'	3371'	
Results of DST #1 on 1-6-90; upper Pictured Cliffs Sand zone; test interval from 3294' to 3326'; packers set at 3281' and 3294'; bottom hole choke 3/4"; top choke 1/4":			
Pressures, from inside bomb at 3310'. Initial mud hydrostatic - 1835 psig. Initial flow, 10 minutes - 110 psig; final first flow - 120 psig. Initial shut in, 30 minutes - 165 psig.			
Second flow, 60 minutes - initial 120 psig; final 143 psig. Second shut in, 50 minutes - final 140 psig. Final mud hydrostatic - 1817 psig.			
Initial flow, 10 minutes - opened tool, had 1" bucket blow for 10 minutes; shut tool and 1" blow died in 10 minutes. Final flow - opened tool, had weak blow which died in 30 minutes; shut tool - no blow. No gas to surface. Recovered 120' of gas-cut mud. Sample chamber: 58 psig, 2100 cc of mud; gas too small to measure. Test successful, zone non-productive.			

38. GEOLOGICAL MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2183' *	
Kirtland	2323' *	
Fruitland	2965' *	
* Inferred from Offset Well Logs		