

Submit to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

State Lease-6 copies
Fee Lease-5 copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

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, CO 81302**

4. Well Location: Unit Letter: **M** : **805** Feet From The **South** Line and **1370** Feet From The **West** Line
Section: **1** Township: **31N** Range: **7W** NMPM **San Juan** County

10. Date Spudded: **12-12-89** 11. Date TD Reached: **01-26-90** 12. Date Compl. (ready to produce): **02-05-90** 13. Elev. (DF, RKB, RT, GR, Etc)* **6557' GL** 14. Elev. Csghd. **6557'**

15. Total Depth: **3462'** 16. Plug Back TD: **3462'** 17. If Mult. Comp.: How Many Zones? 18. Intervals Drilled By: 19. Producing Interval(s), of this completion - Top, Bottom, Name: **Fruitland Basin Coal, open hole completion from 3198' to 3462'.** 20. Was Directional Survey Made? **YES**

21. Type Electric and Other Logs Run: **Mud Log**

22. Was Well Cored? **NO**

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

Casing Size	Weight, LB/FT	Depth Set	Hole Size	Cementing Record	Amount Pulled
9.625"	36# J-55	320'	12.25"	295 cf of Class B neat	21 Bbls Circ. Cement
7.000"	23# L-80	3200'	8.75"	785 cf of 6 6% D-112	
				144 cf of Class G Neat	33 Bbls Circ. Cement

24. LINER RECORD

Size	Top	Bottom	Sacks Cement	Screen
5.50"	3139'	3461'	None	N/A

25. TUBING RECORD

Size	Depth Set	Packer Set
2.875"	3362'	N/A

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

8 HPF, 0.625"

3243-3381'; 3420-3460'

27. **ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.**

Depth Interval	Amount and Kind of Material Used
3198-3462'	Natural Stress relieved the coal zones.

28. 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: 02-05-90	Hours Tested: 1 Hr.	Choke Size: 2" pitot	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: 100 psig	Casing Pressure: N/A psig	Calculated 24 HR Rate:	Oil-Bbl N/A	Gas-MCF 1756 MCFD	Water-Bbl 384 BWD	Oil Gravity-API N/A	

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

Vented

Test Witnessed By:

M.L. Smith

30. List of Attachments:

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

Signed:

William F. Clark

WILLIAM F. CLARK

Title: OPERATIONS MANAGER

Date:

12 Mar 90

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC
No Electric Logs run; only a Mud Log through the Fruitland Coal Zones:			
NEBU# 462			
Fruitland Coal Zones:			
	3253'	3257'	
	3258'	3270'	
	3271'	3273'	
	3275'	3286'	
	3288'	3302'	
	3319'	3321'	
	3332'	3334'	
	3358'	3364'	
	3370'	3371'	
	3440'	3445'	
	3449'	3451'	
	3453'	3459'	

38.

GEOLOGICAL MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2420' *	
Kirtland	2535' *	
Fruitland	3135' *	
* Inferred from Offset Well Logs		