

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. RESVR. ☐

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 and in accordance with any State requirements)

At surface 990' F/SL, 990' F/WL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

30-045-26900

DATE ISSUED

NA

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

15. DATE STUDDED

5-16-88

16. DATE T.D. REACHED

5-25-88

17. DATE COMPL. (Ready to prod.)

6-23-88

18. ELEVATIONS (DF, AKB, RT, OR, ETC.)*

6530' G.L. 6542' K.B.

19. ELEV. CASINGHEAD

6530' Elev.

20. TOTAL DEPTH, MD & TVD

3715'

21. PLUG, BACK T.D., MD & TVD

3666'

22. IF MULTIPLE COMPL., HOW MANY*

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23. INTERVAL DRILLED BY

ROTARY TOOLS

CABLE TOOLS

TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Fruitland Coal zones: 3336' - 3210'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction, Density, Neutron, CBL, VDL, DCL

27. WAS WELL CORRED

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"	36.0#, J-55	230'	12 1/4"	207 cf Class B	Circulated
7"	23.0#, N-80	3715'	8 3/4"	689 cf Howco Lite	
				230 cf 50/50 Pozmix	499' T.S.

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	3522'	--

31. PERFORATION RECORD (Interval, size and number)

3336-3343' (7'), 3270-3281' (11')
3226-3246' (20'), 3217-3226' (9')
3204-3210' (6') for a total of 53 feet
with 4 SPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3336'	97,854 gals. 30# crosslink, PSD
3210'	Borate gel, 30,000# 40/70 sand and 224,000# 12/20 Arizona sand
	Total slurry vol. 109,240 gals.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
Not connected	Pumping, to be tested when connected	Shut In

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
6-23-88							

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
1105	1662					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

7 day - shut in; surface CP - 1105 psig; shut in bottom hole-1662 psig

TEST WITNESSED BY

MAR 14 1989

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

BY
DATE

March 1, 1989

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

NMOCC

Title 18 U.S.C. Section 1001. makes it a crime for any person knowingly and willfully to make to any department or agency of the United States a false statement or representation 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.	NAME	MEAS. DEPTH	TOP
							TRUE VERT. DEPTH
Ojo Alamo	2420'	2550'		Sandstone; water	Ojo Alamo	2420'	NA
Kirtland	2550'	3052'		Shale	Kirtland	2550'	NA
Fruitland	3052'	3344'		Coal, shale; water, hydrocarbons	Fruitland	3052'	NA
Upper PC	NA	--			Pictured Cliffs	3344'	NA
Basal Coal	NA	--					
Lower PC	3344'	3590'		Sandstone; water; HC			
Lewis	3590'	TD		Shale			
Core #1	3217'	3242'		3217' - 3225' - Coal			
				3225' - 3228½' - Shale, silt interbeds			
				3228½' - 3239½' - carb. shale with coal interbeds			
				3239½' - 3240' - shale, silt interbeds			
				3240' - 3241' - coal			
				3241' - 3242' - shale, silt interbeds			
Core #2	3268'	3282'		3268' - 3268½' - coal			
				3268½' - 3269' - shale			
				3269' - 3273½' - coal			
				3273½' - 3274½' - shale			
				3274½' - 3276' - coal			
				3276' - 3280½' - shale			
Core #3	3333'	3338'		3333' - 3333½' - shale			
				3333½' - 3333½' - coal			
				3333½' - 3334½' - shale			
				3334½' - 3335' - coal			
Core #4	3446'	3476'		All sand (with 3" coal streak)			