

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions 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 ☐

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, CO 81302-1237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1730' F/NL - 260' F/WL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. DATE ISSUED

30-045-26901

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15. DATE SPUDDED

5-9-88

16. DATE T.D. REACHED

5-16-88

17. DATE COMPL. (Ready to prod.)

7-21-88

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

6295' GL 6307' KB

19. ELEV. CASINGHEAD

6295'

20. TOTAL DEPTH, MD & TVD

3450'

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

3389'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

T.D.

CABLE TOOLS

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

Middle and Upper Fruitland Coal 2959' - 3080'

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES, GR, SP, CDL, CBL, GR, CL, CNL

27. WAS WELL CORED

Yes

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	36.0# K-55	316'	12 1/4	266 cf Class B	Circulated
7"	23.0# N-80	3450'	8 3/4	712 cf Howco Lite	Top Cmt @300'
				245 cf 50/50 Pozmix	By Temp. Survey

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2.875	3235'	--

31. PERFORATION RECORD (Interval, size and number)

2959'-2964' (5'), 2984'-3004' (20'), 3036' 3053' (17'), 3070'-3080' (10') with 4 SPF for a total of 52' and 208 holes.
3153'-3173' - 4 SPF - 80 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3153' - 3173'	93,300 gals. 30# XL Borate gel
	27,600# 40/70, 210,000# 12/20 sand
2959' - 3080 OA	93,300 gal. 30# XL Borate gel,
	25,000# 40/70, 196,000# 12/20 sand

33.* PRODUCTION

33.

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
Not connected							Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
			→					
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.)

Well to be tested when pipeline connection becomes possible

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

Operations Manager

March 10, 1989

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

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, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo Kirtland Fruitland Pictured Cliffs	2114'	2239'	Sandstone, siltstone, water Shale, siltstone, mudstone, coal, water, hydrocarbons Sandstone, siltstone, shale, water, trace hydrocarbons Cored 28', rec. 21' interbedded shale & coal. Selected 5 samples for gas desorb. tests: 2994' to 2995' 2992.5 to 2994' 2991.5 to 2992.5' 2982' to 2983' 2979' to 2980' Carbonaceous shale, no. sig. coal Cored and rec. 26'. Cored and rec. 26'. Approx. 21' coal 3156' - 3175'	Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis	2114'	NA
	2782'	3178'OA			2239'	NA
	3178'	3425'			2782'	NA
Core #1	2974'	3002'			3178'	NA
Core #2	3002'	3027+			Est. 3425'	NA
Core #3	3154'	3178'				