

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 ☐ Other ☒ Water Disposal		5. LEASE DESIGNATION AND SERIAL NO. SF 079001	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other ☐ FARM OR LEASE NAME		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 30-139-54226	
2. NAME OF OPERATOR Blackwood & Nichols Co., Ltd.		7. UNIT AGREEMENT NAME NEBU, Agmt. I, Sec. 929	
3. ADDRESS OF OPERATOR P. O. Box 1237, Durango, CO 81302-1237		8. FARM OR LEASE NAME Northeast Blanco Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with one of the following methods): At surface 1450' FNL - 790' FWL At top prod. interval reported below At total depth Same		9. WELL NO. 501	
14. PERMIT NO. OIL CON. DIV. DIST. 3 27-88		10. FIELD AND POOL, OR WILDCAT Wildcat Disposal well	
15. DATE SPUDDED 6-06-88		11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA E. Sec. 10, T30N, R7W	
16. DATE T.D. REACHED 7-13-88		12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.) 8-26-88		13. STATE New Mexico	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6325' KB		19. ELEV. CASINGHEAD 6314'	
20. TOTAL DEPTH, MD & TVD 8956' MD		21. PLUG BACK T.D., MD & TVD PBDT 8911' MD	
22. IF MULTIPLE COMPL., HOW MANY* 3		23. INTERVALS DRILLED BY 0-8956'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Disposal		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN FDC-CNL, DIL, CBL-VDL, GR		27. WAS WELL CORRED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
See attached			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
See attached			
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
3-1/2"	7375'	7375'	
31. PERFORATION RECORD (Interval, size and number)			
8702-8709', 8710-8728', 8732-8739', 8740-8758' - 1 JSPF; 8758-8770' - 2 JSPF 8506-8546', 8481-8501', 8440-8480', 8332- 8350', 8302-8316', 8284-8293', 8296-8300', 8255-8272', 8180-8190', 8228-8239', 8196-8213' - 1 JSPF, Net 324 shots @ .48"			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
See attached			
33. PRODUCTION			
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Injection well for water disposal		WELL STATUS (Producing or shut-in)
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
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.)			
TEST WITNESSED BY			
35. LIST OF ATTACHMENTS Items 28, 29, and 32.			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.			
SIGNED <u>William F. Clark</u>		TITLE <u>Operations Manager</u>	
William F. Clark		DATE <u>March 2, '89</u>	

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

NMOCC

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.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2093'	2270'	Brackish water	Ojo Alamo	2093'	
Fruitland	2895'	3193'	Gas and water (brackish)	Kirtland	2270'	
Pictured Cliffs	3193'	3411'	Gas and water (salt)	Fruitland	2895'	
Cliff House	4030'	5078'	Gas	Pictured Cliffs	3193'	
Menefee	5078'	5438'	Gas and water (salt)	Lewis	3411'	
Pt. Lookout	5438'	5784'	Gas	Cliff House	4030'	
Dakota	7560'	7740'	Water (salt)	Menefee	5078'	
Burro Canyon	7740'	7840'	Water (salt) on swab	Pt. Lookout	5438'	
Morrison	7840'	8652'	Water (salt) on swab - disposal zone	Mancos	5784'	
Entrada	8682'	8913'	Water (salt) on swab - disposal zone	Dakota	7568'	
				Burro Canyon	7740'	
				Morrison	7840'	
				Todilto	8652'	
				Entrada	8682'	
				Chinle	8913'	

Item 28 - CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULVED
-------------	---------------	----------------	-----------	------------------	---------------

20"	94.0	323'	26"	462 sx Class B, 2% CaCl ₂ , 1/4# flocele/sk.	
10-3/4"	45.5 & 40.5	3616'	14-3/4"	1st stage: 375 sx Howcolite, 0.6% Halid, 2% CaCl ₂ , 1/4# flocele, tail 100 sx 50/50 with 1/4# flocele; 2nd stage: 1485 sx Howcolite, 2% CaCl ₂ , 1/4# flocele, tail 100 sx Class B, 1/4# flocele.	

Item 29 - LINING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
------	----------	-------------	--------------	-------------

7-5/8"	3373'	7717' (float collar @ 7674')	975 sx 50/50 POZ, 2% gel, 10% salt, 1/4# flocele, 0.1% Halid 9	
5-1/2"	7464'	8953' (float collar @ 8911')	185 sx Class H, 35% SSA-2, 1% Halid 22A, 0.5% CFR2, 0.2% HR7, 1/4# flocele/sk	

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

DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED
----------------	----------------------------------

261-323' (Squeeze)	100 sx Class B, 2% CaCl ₂ .
3620' (Squeeze)	175 sx 50/50 POZ mix w/ 2% gel, 10% salt, 1/4# flocele, 1% Halid 9, 0.1% HR7, tail 100 sx Class H, 0.5% Halid, 0.1% HR7. 100 sx Class B, 2% CaCl ₂
8702-8770' (Frac)	1500 gal. 7.5% HCl @ 7.5 BPM; 44,000 gal. 40# gel water; 18,500 gal. slickwater; 60,000# 20/40 sand @ 34 BPM with 4200 psi.
8440-8546' (Frac)	1500 gal. 7.5% HCl @ 10 BPM; 44,000 gal. 40# gel water; 18,200 gal. slickwater; 60,000# 20/40 sand @ 29 BPM with 4700 psi.
8180-8350' (Frac)	1500 gal. 7.5% HCl @ 12 BPM; 44,500 gal. 40# gel water; 15,000 gal. slickwater; 56,500# 20/40 sand @ 24 BPM with 4800 psi.