

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

1a. TYPE OF WELL		OIL WELL <input type="checkbox"/>		GAS WELL <input checked="" type="checkbox"/>		DRY <input type="checkbox"/>		OTHER <input type="checkbox"/>		Unit Agreement Name NEBU #1, Sec. 929			
b. TYPE OF COMPLETION		NEW WELL <input checked="" type="checkbox"/>		WORK OVER <input type="checkbox"/>		DEEPEN <input type="checkbox"/>		PLUG BACK <input type="checkbox"/>		DIFF. RESVR. <input type="checkbox"/>		Farm or Lease Name Northeast Blanco Unit	
2. Name of Operator Blackwood & Nichols Company, Ltd.										OIL CON. DIV.		9. Well No. 213	
3. Address of Operator P.O. Box 1237, Durango, CO 81302										DIST. 3.		10. Field and Pool, or Wildcat S. Los Pinos-Ft./PC	
4. Location of Well UNIT LETTER <u>D</u> LOCATED <u>990</u> FEET FROM THE <u>North</u> LINE AND <u>990</u> FEET FROM												12. County San Juan	
THE <u>West</u> LINE OF SEC. <u>12</u> TWP. <u>31N</u> RGE. <u>7W</u> NMPM													
15. Date Spudded 6-20-85		16. Date T.D. Reached 6-29-85		17. Date Compl. (Ready to Prod.) 8-30-85		18. Elevations (DF, RKB, RT, GR, etc.) 6535' GR		19. Elev. Casinghead 6537'					
20. Total Depth 3644'		21. Plug Back T.D. 3596'		22. If Multiple Compl., How Many		23. Intervals Drilled By Rotary Tools TD		Cable Tools					
24. Producing Interval(s), of this completion - Top, Bottom, Name Fruitland-Pictured Cliffs from 3200' to 3568'										25. Was Directional Survey Made Yes			
26. Type Electric and Other Logs Run Dual Induction, Density, Neutron, Sonic										27. Was Well Cored No			
28. CASING RECORD (Report all strings set in well)													
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED			
9 5/8"		32.3# H40		213		12 1/4"		236 cf Class B		Circulated			
4 1/2"		10.5# K55		3644		7 7/8"		1680 cf 50/50 Pozmix					
								Temp. Survey - Top - 300'					
29. LINER RECORD						30. TUBING RECORD							
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET	
										2.375		3529'	
31. Perforation Record (Interval, size and number) See attached						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED					
						3200' - 3224'		Third Stage					
						3264' - 3384'		Second Stage					
						3470' - 3568'		First Stage					
33. PRODUCTION													
Date First Production Not Connected		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing						Well Status (Prod. or Shut-in) Shut In					
Date of Test 9-6-85		Hours Tested 3 hours		Choke Size 3/4"		Prod'n. For Test Period Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio		1375					
Flow Tubing Press. 790 psig		Casing Pressure 1355 psig		Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API (Corr.)		10,974							
34. Disposition of Gas (Sold, used for fuel, vented, etc.) To be connected to Northwest Pipeline										Test Witnessed By Ron Thompson			
35. List of Attachments DSTs, Perforations and Stimulation													
36. 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		TITLE Petroleum Engineer						DATE October 3, 1985					

C-105  
Well No. 213

PERFORATIONS:

First Stage: 1 SPF at 3470' - 3485'; 3492' - 3500'; 3512' - 3522'; 3540' - 3550'; 3558' - 3568', for a total of 53 holes.

Second Stage: 1 SPF at 3264' - 3274'; 3340' - 3360'; 3366' - 3372', 3378' - 3384', for a total of 42 holes.

Third Stage: 6 SPF at 3200' - 3224', for a total of 144 holes.

STIMULATION:

First Stage: 500 gallons 7 1/2% Acetic Acid, 63,000 gallons slick water and 60,000# 20/40 sand, Averaged - 2150 psi at 58 BPM, ISIP - 680 psi.

Second Stage: 500 gallons 7 1/2% Acetic Acid, 58,000 gallons slick water and 50,000# 20/40 sand, Averaged 59 BPM at 2900 psi, ISIP - 1100 psi.

Third Stage: Unloaded 4 1/2" casing with nitrogen then stimulated zone with 327,000 SCF of nitrogen at 10,000 SCF/minute at 2680 psi, ISIP - 2375 psi.

DRILL STEM TESTS:

6-25-85 DST #1 - 3129' to 3234'. Initial Hydrostatic - 2008 psi, First Flow - strong bucket blow and gas to surface in 15 minutes; First Shut In - 1657 psi; Final Flow: Initial Pressure - 381, Final Pressure - 534, Surface Flow - 17 MCFD down to 0; Final Shut In - 1671; pressure charts indicated that the tools were partially plugged during the flow periods; recovered 1050' of mud and gas cut water with coal dust.

6-26-85 DST #2 - 3241' to 3339'; Initial Hydrostatic - 2069 psi; First Flow - 63 MCFD in 30 minutes with gas to surface in 22 minutes; First Shut In - 1329 psi; Final Flow: Initial Pressure - 208, Final Pressure - 328, Maximum Flow Rate - 80 MCFD that decreased to 63 MCFD; Final Shut In - 1583; FH 2035. Recovered 780' of mud and gas cut water with coal cuttings. Tool partially plugged on 1st and 2nd flow periods.

6-27-85 DST #3 - 3342' to 3401'; Initial Hydrostatic - 2117 psi, First Flow - 9" blow in bucket of water; First Shut In - 264 psi; Final Flow: Initial Flow Pressure - 132, Final Flow Pressure - 145, Maximum Surface Pressure - 3 1/4 psi and strong bucket blow - No gas to surface; Final Shut In pressure 552 after two hours; Recovery - 240' of water and gas cut mud - 9.8 ppg.