

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Reservoir Formation Blanco County San Juan
Initial X Annual _____ Special _____ Date of Test 5-7-56
Company Blackwood & Nichols Company Lease Northeast Blanco Unit Well No. 36-1
Unit 1 Sec. 1 Twp. 30N Rge. 8W Purchaser 1 Paso Natural Gas Company
Casing 5-1/2" Wt. 15.50# I.D. 4.950 Set at 5730 Perf. 5716 To 5248
Tubing 2-3/8" Wt. 4.7# I.D. 1.935 Set at 5418 Perf. 5570 To 5538
Gas Pay: From 5248 To 5716 L 5700 xG .655 -GL 3733 Bar.Press. 11.5
Producing Thru: Casing _____ Tubing X Type Well Single - Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 4-28-56 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps _____

No.	Flow Data			Tubing Data			Casing Data			Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.		3/4	426			1063		1063		3 hours
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.3650		437.5				5409
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1074.5 P_c² 1154

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.						983	171		.923
2.									
3.									
4.									
5.									

Absolute Potential: 22.663 MCFPD; n 0.75COMPANY Blackwood & Nichols CompanyADDRESS P. O. Box 137, Durango, ColoradoAGENT and TITLE W. J. Linton, Petroleum Engineer

WITNESSED _____

COMPANY _____

REMARKS _____



