

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesaverte Formation Mesaverte County Rio Arriba
Initial _____ Annual _____ Special X Date of Test May 21, 1958
Company Blackwood & Nichols Company Lease Northeast Blanco Unit Well No. 10-16
Unit M Sec. 16 Twp. 30N Rge. 7W Purchaser El Paso Natural Gas Company
Liner _____ Casing 5" Wt. 134 I.D. 4.494 Hung @ 4765' Set at 5534' Perf. 5009' To 5492'
Tubing 2-3/8" Wt. 4.74 I.D. 1.995 Set at 5416' Perf. 5378' To 5390'
Gas Pay: From 5009' To 5492' L 5500' xG .655 -GL 3602 Bar.Press. 11.5
Producing Thru: Casing _____ Tubing X Type Well Single Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of ~~Completion~~ Recompletion May 3, 1958 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.	
SI						978		978		
1.		3/4"				280		788		3 Hrs.
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		291.5				3604
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

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

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
 P_c 989.5 P_c^2 979

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	$\frac{P_w}{P_c}$
1.						639	340		.8
2.									
3.									
4.									
5.									

Absolute Potential: 7967 MCFPD; n 0.75

COMPANY Blackwood & Nichols Company
ADDRESS P.O. Box 1237, Durango, Colorado
AGENT and TITLE W. J. Linton
WITNESSED _____
COMPANY _____

W. J. Linton, Petroleum Engineer

REMARKS

