

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesaverde Formation Mesaverde County Rio Arriba
Initial Annual Special X Date of Test 11-23-56
Company Blackwood & Nichols Company Lease Northeast Blanco Unit Well No. 21-36
Unit H Sec. 36 Twp. 31N Rge. 7W Purchaser El Paso Natural Gas Company
Casing 1 1/2 I.D. 4.950 Set at 5221'-5870' Perf. 5348' To 5830'
Tubing 2-3/8 Wt. 4.7 I.D. 1.995 Set at 5793' Perf. 5753' To 5763'
Gas Pay: From To L xG -GL Bar.Press.
Producing Thru: Casing Tubing X Type Well Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 11-15-56 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. $^{\circ}F$	Press. psig	Temp. $^{\circ}F$	Press. psig	Temp. $^{\circ}F$	
1.	3/4					953		953		3 hrs.
2.						216		629		
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		227				2807
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 964 P_c^2 929

No.	P_w	P_t (psia)	$(P_c Q)^2 (1-e^{-s})$	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.				430	119		.235
2.							
3.							
4.							
5.							

Absolute Potential: 4344 $P_c Q$ MCFPD; n .75

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

REMARKS 

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 2

DISTRIBUTION

	NO. FURNISHED	
Operator		
Santa Fe	1	
Proration Office		
State Land Office		
S. G. S.		
Transporter		
File	1	✓