

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanca Mesavieja Formation Mesavieja County San Juan
Initial _____ Annual _____ Special X Date of Test 9-16-56
Company Blackwood & Nichols Company Lease Northeast Blanca Unit Well No. 2-20
Unit C Sec. 20 Twp. 31N Rge. 7W Purchaser El Paso Natural Gas Company
Liner 5 1/2" Wt. 14.815 I.D. 4.950 Set at 5744 Perf. 5294 To 5710
Tubing 2-3/8 Wt. 4.7 I.D. 1.995 Set at 5644 Perf. 5614 To 5596
Gas Pay: From 5294 To 5710 L 5700 xG .655 -GL 3733 Bar.Press. 11.5
Producing Thru: Casing _____ Tubing X Type Well Single Gas
Date of Completion 9-2-56 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (Packer) (Choke) (Packer) 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						992		992		
1.		3/4				156		465		3 hours
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

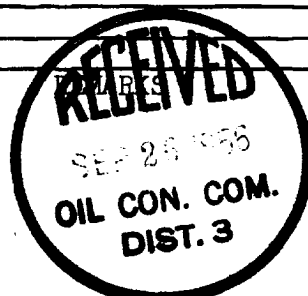
No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.3650		197.3				2442
2.							
3.							
4.							
5.							

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 1003.5 P_c 1007

No.	$\frac{P_w}{P_t}$ (psia)	P _t ²	F _c Q	(F _c Q) ²	$\frac{(F_c Q)^2}{(1-e^{-s})}$	P _w ²	P _c ² -P _w ²	Cal. P _w	$\frac{P_w}{P_c}$
1.						227	780		.475
2.									
3.									
4.									
5.									

Absolute Potential: 2956 MCFPD; n 0.75
COMPANY Blackwood & Nichols Company
ADDRESS P. O. Box 1237, Durango, Colorado
AGENT and TITLE W. J. Linton W. J. Linton, Petroleum Engineer
WITNESSED _____
COMPANY _____



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 2

DISTRIBUTION

	NO. FURNISHED	
Operator	/	
Santa Fe		
Exploration Office		
State Land Office		
U. S. G. S.		
Transporter		
File	/	✓

