

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 San Juan
Initial X Annual _____ Special _____ Date of Test May 31, 1956
Company Blackwood & Nichols Company Lease N. E. Blanco Unit Well No. 37-6
Unit 3 Sec. 6 Twp. 30N Rge. 7W Purchaser El Paso Natural Gas Company
Casing 5-1/2" Wt. 15.50 I.D. 4.950 Set at 5520 Perf. 4992' To 5420'
Tubing 2-3/8" Wt. 8.7 I.D. 1.995 Set at 5425 Perf. 5377' To 5395'
Gas Pay: From 4992 To 5420 L 5500 xG 0.655 -GL 3602 Bar.Press. 11.5
Producing Thru: Casing _____ Tubing X Type Well single-Gas
Date of Completion: May 23, 1956 Backer _____ Reservoir Temp. _____
Single-Bradenhead-G. G. or G.O. Dual

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						1099		1029		
1.		3/4				414		1004		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		425.5				5261
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 1110.5 P_c² 1233

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.						1033	200		0.915
2.									
3.									
4.									
5.									

Absolute Potential: 20.570 MCFPD; n 0.75
COMPANY Blackwood & Nichols Company
ADDRESS P. O. Box 1237, Durango, Colorado
AGENT and TITLE W. J. Linton, Petroleum Engineer
WITNESSED _____
COMPANY _____

REMARKS



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		2
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	/	
Proration Office		
State Land Office		
U. S. G. S.		
Transporter		
File	/	✓