

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesaverte Formation Mesaverte County San Juan
Initial X Annual _____ Special _____ Date of Test 7/9/56
Company Blackwood & Nichols Lease Northeast Blanco Unit Well No. 44-4
Unit B Sec. 4 Twp. 30N Rge. 7W Purchaser El Paso Natural Gas Co.
Casing 5 1/2" Wt. 24 & 15 1/2 I.D. 4.950 Set at 5445 Perf. 5470 To 4938
Tubing 2-3/8 Wt. 4.7 I.D. 1.995 Set at 5275 Perf. 5245 To 5233
Gas Pay: From 4938 To 5470 L 5250 xG 0.655 -GL 3438 Bar.Press. 11.5
Producing Thru: Casing _____ Tubing X Type Well single - gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 7/1/56 Packer _____ Reservoir Temp. _____

OBSERVED DATA

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

Flow Data						Tubing Data		Casing Data		Duration of Flow Hr.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.	<u>3/4"</u>		<u>403</u>			<u>1105</u>		<u>1103</u>		<u>3 hrs.</u>
2.						<u>403</u>		<u>942</u>		
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.	<u>12.3650</u>		<u>434.5</u>				<u>5125</u>
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 1116.5 P_c² 1246

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.						<u>909</u>	<u>337</u>		<u>0.854</u>
2.									
3.									
4.									
5.									

Absolute Potential: 13672 MCFPD; n 0.75
COMPANY Blackwood & Nichols Company
ADDRESS Box 1237, Durango, Colorado
AGENT and TITLE W. J. Linton W. J. Linton, Petroleum Engineer
WITNESSED _____
COMPANY _____

REMARKS



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