

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesavieja Formation Mesavieja County San Juan
Initial _____ Annual _____ Special X Date of Test 9-20-56
Company Blackwood & Nichols Company Lease Northeast Blanco Unit Well No. 33-12
Unit H Sec. 12 Twp. 31N Rge. 7W Purchaser El Paso Natural Gas Company
Casing 5-1/2" Wt. 15.5 I.D. 4.995 Set at 5885 Perf. 5130 To 5860
Tubing 2-3/8" Wt. 4.7 I.D. 1.995 Set at 5824 Perf. 5782 To 5794
Gas Pay: From 5130 To 5860 L 5800 xG .655 -GL 3799 Bar.Press. 11.5
Producing Thru: Casing _____ Tubing X Type Well Single - Gas
Date of ~~Installation~~ 9-13-56 Packer _____ 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.	
1.		<u>3/4"</u>				<u>862</u>	<u>253</u>	<u>3 hours</u>
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.	<u>12.3650</u>		<u>135.5</u>				<u>1675</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 862.5 P_c² 745

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.									
2.									
3.									
4.									
5.									

Absolute Potential: 1800 MCFPD; n 0.75

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

REMARKS



U. S. CONSERVATION COMMISSION

AZTECO DISTRICT OFFICE

License No. 2

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