

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 JuanInitial X Annual _____ Special _____ Date of Test 7-29-57Company Blackwood & Nichols Lease N. E. Blanco Unit Well No. 46-33Unit 1 Sec. 33 Twp. 31N Rge. 7W Purchaser El Paso Natural Gas Co.Casing 5-1/2" Wt. 15.54 I.D. 4.950" Set at 5668 Perf. 5134 To 5636Tubing 2-3/8 Wt. 4.74 I.D. 1.795 Set at 5565 Perf. 5522 To 5534Gas Pay: From 5134 To 5636 L 5600 xG 0.655 -GL 3668 Bar.Press. 11.5Producing Thru: Casing _____ Tubing X Type Well _____Single-Bradenk NG G.O. DualDate of Completion: 7-16-57 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Blank) (Choke) (Blank)

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		<u>3/4"</u>				<u>1097</u>		<u>1100</u>		
1.						<u>328</u>		<u>883</u>		<u>3 hrs.</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>339.5</u>				<u>4.198</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 1111.5 P_c 1235

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.						<u>800</u>	<u>435</u>		<u>.84</u>
2.									
3.									
4.									
5.									

Absolute Potential: 9.183 MCFPD; n 0.75COMPANY Blackwood & Nichols CompanyADDRESS P. O. Box 1237, Durango, ColoradoAGENT and TITLE W. J. Linton Petroleum Engineer

WITNESSED _____

COMPANY _____

REMARKS

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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