

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Blanco Reservoir Formation Reservoir County San Juan
Initial 1 Annual _____ Special _____ Date of Test 5-15-56
Company Blackwood & Nichols Company Lease Northeast Blanco Unit Well No. 45-5
Unit 1 Sec. 5 Twp. 30N Rge. 7W Purchaser El Paso Natural Gas Company
Casing 5-1/2 Wt. 15.500 I.D. 4.95 Set at 5397 Perf. 5150 To 5640
Tubing 2-3/8 Wt. 4.24 I.D. 1.995 Set at 5537 Perf. 5494 To 5506
Gas Pay: From 5150 To 5450 L _____ xG _____ -GL _____ Bar.Press. 11.5
Producing Thru: Casing _____ Tubing x Type Well Single - Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 5-14-56 Packer _____ Reservoir Temp. 1600 F

OBSERVED DATA

Tested Through (Packer) (Choke) (Restrictor) 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										
1.		<u>3/4</u>	<u>430</u>			<u>1113</u>		<u>1113</u>		<u>3 Hours</u>
2.						<u>430</u>		<u>977</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>12.3550</u>		<u>441.5</u>				<u>5459</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 1113 P_c^2 1264

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	$\frac{P_w}{P_c}$
1.									
2.						<u>977</u>	<u>237</u>		
3.									
4.									
5.									

Absolute Potential: 16.584 MCFPD; n .75
COMPANY Blackwood & Nichols Company
ADDRESS P. O. Box 1237, Durango, Colorado
AGENT and TITLE De Lasso Loos, Field Superintendent
WITNESSED _____
COMPANY _____

REMARKS



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