

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 6-25-57
Company Blackwood & Nichols Company Lease N E Blanco Unit Well No. 54-33
Unit H Sec. 33 Twp. 31 N Rge. 7 W Purchaser El Paso Natural Gas Co.
Casing 5 1/2" Wt. 15.54 I.D. 4.950" Set at 5654 Perf. 5105' To 5992'
Tubing 2 3/8" Wt. 4.74 I.D. 1.995" Set at 5506 Perf. 5462' To 5474'
Gas Pay: From 5105 To 5592 L 5600 xG .655 -GL 3668 Bar.Press. 11.5
Producing Thru: Casing _____ Tubing X Type Well Single Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 6-18-57 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (~~1 1/2"~~) (Choke) (~~1 1/2"~~) 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						1098		1098		
1.		3/4"				365		924		3 hrs.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	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		376.5				4655
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 1109.5 P_c 1291

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.						875	356		0.84
2.									
3.									
4.									
5.									

Absolute Potential: 11,809 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



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