

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Blanco Mesquite Formation Blanco County San Juan
Initial I Annual _____ Special _____ Date of Test 6-9-57
Company Blackwood & Nichols Company Lease Northeast Blanco Unit Well No. 92-15
Unit 0 Sec. 15 Twp. 11N Rge. 7W Purchaser El Paso Natural Gas Company
Casing 5-1/2" Wt. 15.92 I.D. 4.930 Set at 5902' Perf. 5416' To 5042'
Tubing 2-1/8" Wt. 4.72 I.D. 1.993 Set at 5775' Perf. 5711' To 5743'
Gas Pay: From 5416' To 5042' L 9200' xG 0.635 -GL 3799' Bar.Press. 11.5
Producing Thru: Casing _____ Tubing I Type Well Single - Gas
Date of Completion: 5-21-57 Packer _____ Reservoir Temp. _____
Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through 2 1/4" (Choke) 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.	
SI								
1.	<u>2 1/4"</u>					<u>1126</u>		<u>1 hour</u>
2.						<u>263</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>12.3690</u>		<u>274.5</u>				<u>3394</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 1137.5 P_c 1294

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>475</u>	<u>519</u>		<u>.612</u>
2.									
3.									
4.									
5.									

Absolute Potential: 4783 MCFPD; n 0.75
COMPANY Blackwood & Nichols Company
ADDRESS P. O. Box 1837, Durango, Colorado
AGENT and TITLE W. J. Linton, Petroleum Engineer
WITNESSED _____
COMPANY _____

REMARKS



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received 2		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	1	
Proration Office		
State Land Office		
U. S. G. S.		
Transporter		
File	1	✓