

1 - V.R. Johnston 1 - File
1 - Mickey
1 - Tracy
1 - Fowler
1 - Carter

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool W. 21st St. - 1st St. Formation MESAVERDE County SAN JUAN
Initial X Annual _____ Special _____ Date of Test 5-22-56
Company PACIFIC NORTHWEST PIPELINE CORP Lease 32-8 Well No. 12-21
Unit M Sec. 21 Twp. 31N Rge. 8W Purchaser _____
Casing 7-5/8" Wt. _____ I.D. _____ Set at 1022 Perf. 1300 To 1834
Tubing 2" Wt. _____ I.D. _____ Set at 982.9 Perf. _____ To _____
Gas Pay: From 1300 To 1834 L _____ xG .600 -GL _____ Bar. Press. 12 PSIA
Producing Thru: Casing _____ Tubing X Type Well STIMULATED
Date of Completion: 5/22/56 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Start In 9 Days 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		<u>3/4</u>				<u>1020</u>		<u>1048</u>		
1.			<u>132</u>		<u>72</u>	<u>132</u>		<u>632</u>		<u>1</u>
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.	<u>12.350</u>		<u>344</u>	<u>.987</u>	<u>.987</u>	<u>1.068</u>	<u>4033</u>
2.							
3.							
4.							
5.							

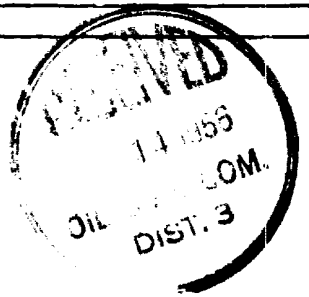
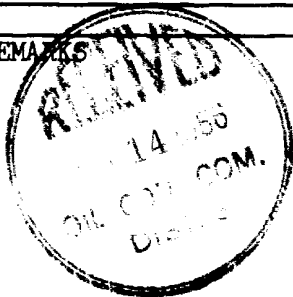
PRESSURE CALCULATIONS

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 1042 P_c² 1087.8

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>687.2</u>	<u>110.5</u>		<u>3.63</u>
2.									
3.									
4.									
5.									

Absolute Potential: 11,185 MCFPD; n .71/ 2.635
COMPANY PACIFIC NORTHWEST PIPELINE CORPORATION
ADDRESS 415 WEST MAIN STREET - DENVER, CO
AGENT and TITLE G. H. Rogers - Well Test Engineer
WITNESSED _____
COMPANY _____

REMARKS



CONSERVATION COMMISSION	
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