

- 3 - NMCC
1 - W.R. Johnston
1 - Richey
1 - Truby
1 - Fowler
1 - Cutler
1 - File

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool BLANCO Formation MESA VERDE County RIO ARriba
Initial X Annual _____ Special _____ Date of Test 5-17-56
Company PACIFIC NORTHWEST PIPELINE CORP Lease ROSA Well No. #13-31
Unit 0 Sec. 31 Twp. 31N Rge. 5W Purchaser _____
Casing 5 1/8" Wt. 15.5114 I.D. _____ Set at 5977.47 Perf. 5510 To 5968
Tubing 2-3/8" Wt. 4.7 I.D. _____ Set at 5961.62 Perf. 5959.12 To 5961.62
Gas Pay: From 5510 To 5968 L _____ xG .575 -GL _____ Bar. Press. 12 PSIA
Producing Thru: Casing _____ Tubing X Type Well Single
Date of Completion: 5/9/56 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (221) Shut In 8 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.	
SI						1201	1201	
1.		3/4"				221	75	3 Hours
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.	12.365		233	.9859	1.0215	1.016	2.947
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 1213 P_c² 1471

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.						375	1096		1.3422
2.									
3.									
4.									
5.									

Absolute Potential: 40.6678 MCFPD; n .75/ 1.247

COMPANY PACIFIC NORTHWEST PIPELINE CORPORATION

ADDRESS 1134 East 10th Street, Farmington, New Mexico

AGENT and TITLE CARL E. MATTHEW - ASSISTANT DRILLING ENGINEER

WITNESSED

COMPANY

REMARKS

