

- 3 - NMCC
- 1 - W.A. Johnston
- 1 - Fowler
- 1 - Hollis
- 1 - Cutler
- 2 - El Paso

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesaverte Formation Mesaverte County Rio Arriba

Initial X Annual _____ Special _____ Date of Test 4-3-56

Company Pacific Northwest Pipeline Corp Lease 27-3 Well No. 13-16

Unit N Sec. 16 Twp. 27N Rge. 9W Purchaser _____

Casing 7-5/8" Wt. _____ I.D. _____ Set at 3305 Perf. 4926 To 5990

Tubing 2-3/8" Wt. _____ I.D. _____ Set at 5990 Perf. _____ To _____

Gas Pay: From 4926 To 5990 L _____ xG .770 -GL _____ Bar.Press. 12 PSIA

Producing Thru: Casing _____ Tubing X Type Well Single

Date of Completion: 3-12-56 Packer _____ Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Shut in 7 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										
1.			198		69	198		1102		3 hrs.
2.								902		
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.	12.9530		170	.9945	.8887		1202
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.

Gravity of Liquid Hydrocarbons _____ deg.

F_c _____ (1-e⁻⁸)

Specific Gravity Separator Gas _____

Specific Gravity Flowing Fluid _____

P_c 1114 P_c 1249

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸)	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w /P _c
1.						170	897		
2.									
3.									
4.									
5.									

Absolute Potential: 2418 MCFPD: n 1.2015 .75

COMPANY PACIFIC NORTHWEST PIPELINE CORPORATION

ADDRESS 1001 E. 10th St. P.O. Box 10000

AGENT and TITLE C. R. ...

WITNESSED D. C. ...

COMPANY EL PASO NATURAL GAS COMPANY

REMARKS

