

NEOCC-3
Peppin-1
Truby-1
File-1

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wildcat Formation Gallup County Rio Arriba
Initial XX Annual _____ Special _____ Date of Test 4-25-57
Company Northwest Production Corp. Lease "NE" Well No. 1-16
Unit L Sec. 16 Twp. 27N Rge. 2W Purchaser Not connected
Casing 5 1/2 Wt. 14, 15.5 I.D. _____ Set at 7364 Perf. 7264 To 7346
Tubing 2-3/8 Wt. 4.7# I.D. _____ Set at 7320 Perf. _____ To _____
Gas Pay: From 7264 To 7346 L _____ xG Est .70 GL _____ Bar. Press. _____
Producing Thru: Casing _____ Tubing XX Type Well Single-Gas
Date of Completion: 4-12-57 Packer No Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) 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						1148		1317		91
1.										
2.										
3.		3/4				70	61	307		3 hrs
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.							
2.							
3.	12.3650		82	.9990	.9258	1.0	938
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio 19.096 cf/bbl.
Gravity of Liquid Hydrocarbons 43 deg.
F_c _____ (1-e^{-s}) _____
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1329 P_c² 1766

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.									
2.									
3.						102	1664		1.0613
4.									
5.									

Absolute Potential: 981 w/49.12 BOPD MCFPD; n .75/1.0456

COMPANY Pacific Northwest Pipeline Corp.
ADDRESS 405 1/2 W. Broadway, Farmington, New Mexico
AGENT and TITLE C. R. Wagner, Well Test Engineer
WITNESSED _____
COMPANY _____

REMARKS

