

NEW MEXICO OIL CONSERVATION COMMISSION

3 - New Mexico Oil Conservation Commission

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool BLANCO MESAVERDE Formation MESAVERDE County RIO ARriba

Initial X Annual _____ Special _____ Date of Test 2-14-56

Company PACIFIC NORTHWEST PIPELINE CORP Lease 30-5 Well No. 12-31

Unit N Sec. 31 Twp. 30N Rge. 5W Purchaser _____

Casing 5 1/2" Wt. _____ I.D. _____ Set at 5922 Perf. _____ To _____

Tubing 2" Wt. _____ I.D. _____ Set at 5901 Perf. _____ To _____

Gas Pay: From 5376 To 5916 L _____ xG .652 -GL _____ Bar.Press. 12 PSIA

Producing Thru: Casing _____ Tubing X Type Well Single - Bradenhead

Date of Completion: 1-30-56 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Runner) (Choke) (Master) S I 15 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.	
1.	3/4"	329			70	329		863		3
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.	14.1605		341	.9905	.9608	1.033	4747
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 1119 P_c 1252.2

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.						765.6	486.6		2.573
2.									
3.									
4.									
5.									

Absolute Potential: 9635 MCFPD; n 75/ 2.0297

COMPANY PACIFIC NORTHWEST PIPELINE CORPORATION

ADDRESS 413 1/2 West Main Street, Farmington, New Mexico

AGENT and TITLE C. R. Wagner - Gas Well Tester

WITNESSED _____

COMPANY _____

REMARKS _____

OIL CONSERVATION COMMISSION	
VEHICLE INSPECTION REPORT	
VEHICLE IDENTIFICATION	
VEHICLE MAKE	
VEHICLE MODEL	
VEHICLE YEAR	
VEHICLE VIN	
VEHICLE LICENSE	
VEHICLE COLOR	
VEHICLE WEIGHT	
VEHICLE TYPE	
VEHICLE CONDITION	✓
VEHICLE SAFETY	✓
VEHICLE EMISSIONS	✓
VEHICLE INSPECTION	✓
VEHICLE APPROVAL	