

- 3 - NMCC
- 1 - W.R. Johnston
- 1 - Cutler
- 1 - Nellis
- 1 - Fowler
- 2 - El Paso Nat. Gas.

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesquero Formation Mesquero County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 4-13-56
Company PACIFIC NORTHWEST PIPELINE CORP Lease 27-3 Well No. 15-16
Unit M Sec. 16 Twp. 27N Rge. 3W Purchaser _____
Casing 7-5/8" Wt. _____ I.D. _____ Set at 3305 Perf. 4985 To 5590
Tubing 2-3/8" Wt. _____ I.D. _____ Set at 5590 Perf. _____ To _____
Gas Pay: From 4985 To 5590 L _____ xG .770 -GL _____ Bar.Press. 12 PSIA
Producing Thru: Casing _____ Tubing X Type Well Single
Date of Completion: 3-18-56 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Never) Start in 8 Days Type Taps _____

Flow Data						Tubing Data		Casing Data		Duration of Flow Hr.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.		<u>3/4</u>	<u>155</u>		<u>70</u>	<u>155</u>	<u>70</u>	<u>1109</u>	<u>703</u>	<u>hrs.</u>
2.										
3.										
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.	<u>12.385</u>		<u>155</u>	<u>.9905</u>	<u>.9187</u>	<u>1.083</u>	<u>2072</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 1181 P_c² 1.396.61

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>354.05</u>	<u>702.616</u>		<u>1.396</u>
2.									
3.									
4.									
5.									

Absolute Potential: 2676 MCFPD; n. .73/1.022
COMPANY PACIFIC NORTHWEST PIPELINE CORPORATION
ADDRESS 401 L Street, N.W. Washington, D.C.
AGENT and TITLE G. R. Johnston, Gas Well Tester
WITNESSED [Signature]
COMPANY El Paso Natural Gas Company

REMARKS

