

3-MMOCC-Santa Fe
1-L.G. Truby
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2-Wayne Smith
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 Mesaverde County Rio Arriba
Initial _____ Annual _____ Special XX Date of Test 10-12-56
Company Pacific Northwest Pipeline Corp. Lease 29-6 Well No. 16-32
Unit N Sec. 32 Twp. 29N Rge. 6W Purchaser Pacific Northwest Pipeline Corp.
Casing 7" Wt. _____ I.D. _____ Set at 5353 Perf. _____ To _____
Tubing 2" Wt. _____ I.D. _____ Set at 5890 Perf. _____ To _____
Gas Pay: From 5353 To 5935 L _____ xG .690 -GL _____ Bar.Press. 12.0
Producing Thru: Casing _____ Tubing XX Type Well Single
Date of Completion: _____ Packer _____ Reservoir Temp. _____
Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through (Proven) (Choke) (Meber) Type Taps - -

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.
	(Borehole) (Choke) Size	(Choke) (Casing) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	
SI						1081	1091	Shut in
1.								
2.								
3.	2	3/4	265		68	265	68	3 hours
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.	14.1605		277	.9924	.9325	1.030	3739
4.							
5.							

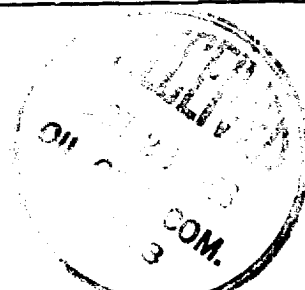
PRESSURE CALCULATIONS

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 1103 P_c 1216.6

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.	805					648.0	568.6		2.140
4.									
5.									

Absolute Potential: 6614 MCFPD; n .75/1.769
COMPANY Pacific Northwest Pipeline Corporation
ADDRESS 4051 West Broadway, Farmington, New Mexico
AGENT and TITLE W. B. Richardson, III, Well Test Engr.
WITNESSED _____
COMPANY _____

REMARKS



INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia
- P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if
flowing through casing.) psia
- P_f = Meter pressure, psia.
- h_w = Differential meter pressure, inches water.
- F_g = Gravity correction factor.
- F_t = Flowing temperature correction factor.
- F_{pv} = Supercompressability factor.
- n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

OIL CONSERVATION COMMISSION		
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DISTRICT NO.		
Operator	NO. OF TUBING	
Port	1	
Production Office		
Geological		
U. S. G. I.	1	
Transportation		
File	1	✓