

NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE O. C. C.

Form C-122

MULTI-POINT BACKFLOW TEST FOR GAS WELLS

Revised 12-1-55

Pool Jalmat Formation Iates County Lea
Initial _____ Annual _____ Special X Date of Test 9/12/9-20-63
Company Dalport Oil Corporation Lease Winters Well No. 1
Unit B Sec. 18 Twp. 25 Rge. 37 Purchaser El Paso Natural Gas Co
Casing 7" Wt. 20.0 I.D. _____ Set at 2775 Perf. _____ To _____
Tubing 2 3/8 Wt. 4.7 I.D. _____ Set at 2842 Perf. _____ To _____
Gas Pay: From 2775 To 2937 L 2842 xG .685 -GL 1947 Bar.Press. 13.2
Producing Thru: Casing _____ Tubing X Type Well Single
Date of Completion: 5-15-52 Packer None 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						183				72
1.	1	.750	136	4.00	74	179				2 1/2
2.	1	.750	151	6.76	76	176				2 1/2
3.	1	.750	162	17.64	72	173				2 1/2
4.	1	.750	159	16.00	83	151				2 1/2
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.	3.435	24.43	1492	.9868	.9359	1.014	78.58
2.	3.435	33.33	1612	.9850	.9359	1.016	107.3
3.	3.435	55.59	1752	.9887	.9359	1.017	179.6
4.	3.435	52.49	1722	.9786	.9359	1.015	167.6
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
P_c 9.936 (1-e^{-s}) .125

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 196.2 P_c² 38.5

No.	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.	192.2	36.9	.7808	.6096	.0762	37.0	1.5	192.4	.9806
2.	189.2	35.8	1.066	1.136	.1120	35.9	2.6	189.5	.9659
3.	186.2	34.7	1.784	3.183	.3979	35.1	3.4	187.4	.9551
4.	164.2	27.0	1.665	2.772	.3465	27.3	11.2	165.2	.8419
5.									

Absolute Potential: 1,400 MCFPD; n 50COMPANY Dalport Oil CorporationADDRESS 930 Fidelity Union Life Bldg, Dallas, TexasAGENT and TITLE Don McHenry GeologistWITNESSED Jack T. LittlefieldCOMPANY El Paso Natural Gas Company, Jal, New Mexico

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.

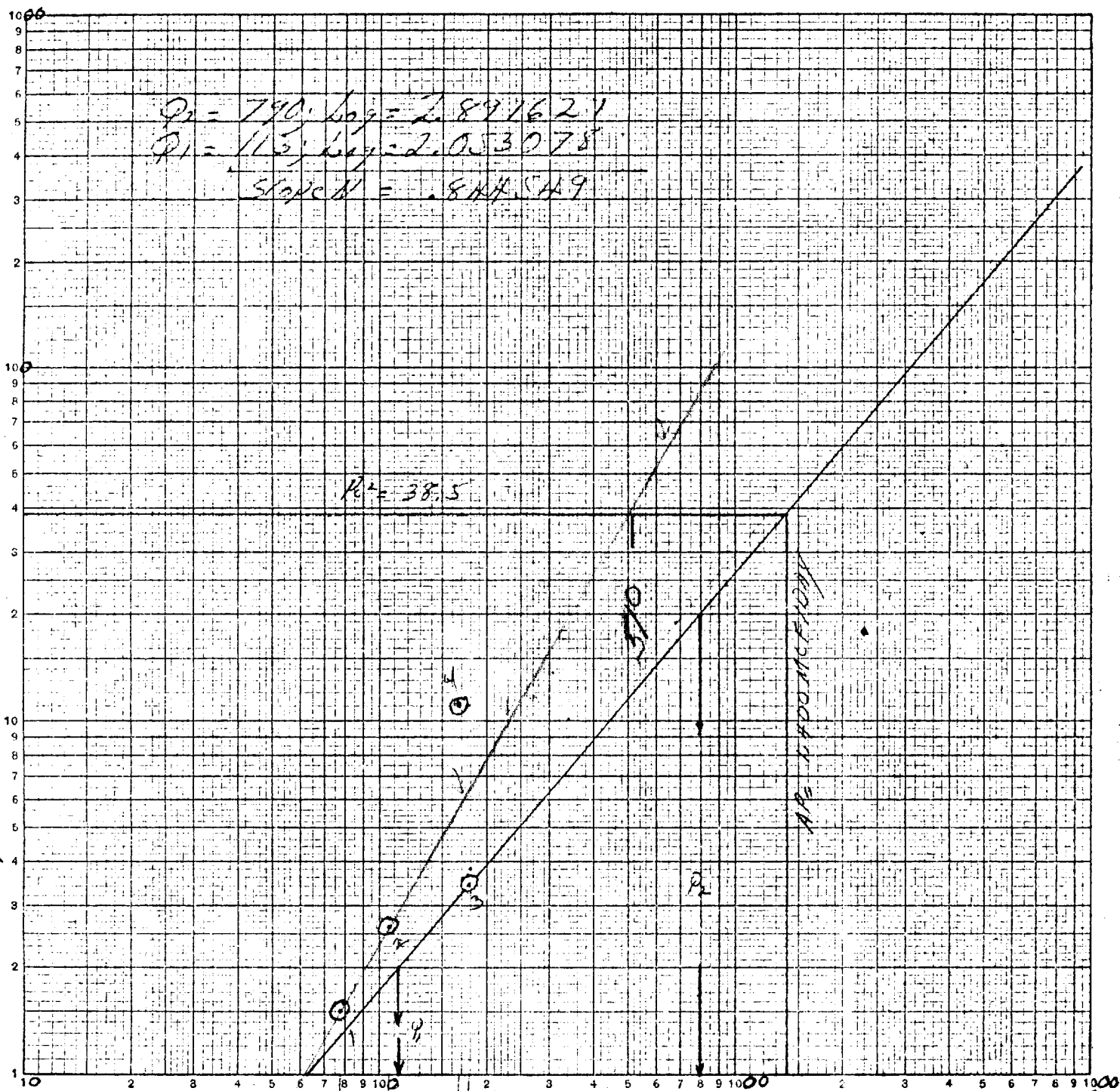
F_t = Flowing temperature correction factor.

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 .

9-20-63



6. 2 912 913

100-107

2764

$$Q = MCF / DAY$$