

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Jalmat Formation Yates County Lea
Initial _____ Annual _____ Special X Date of Test 5/31-6/4/60
Company Dalport Oil Corporation Lease Winters B- Well No. 2
Unit L Sec. 7 Twp. 25 Rge. 37 Purchaser El Paso Natural Gas Company
Casing 5 Wt. 14 I.D. _____ Set at 2865 Perf. _____ To _____
Tubing 2 3/8 Wt. 4.7 I.D. _____ Set at 3025 Perf. _____ To _____
Gas Pay: From 2885 To 3034 L 2865 xG 674 -GL 1931 Bar. Press. 13.2
Producing Thru: Casing X Tubing _____ Type Well Single
Single-Bradenhead G. G. or G.O. Dual
Date of Completion: _____ Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps Flange

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								236		72
1.	4	1.000	211	2.25	100			233		24
2.	4	1.000	215	5.76	104			228		24
3.	4	1.000	193	22.09	106			213		24
4.	4	1.000	180	20.25	110			189		24
5.	4	1.000	180	20.25	110			189		24

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.	6.135	22.46	224.2	.9636	.9435	1.018	127.5
2.	6.135	36.25	228.2	.9602	.9435	1.018	205.0
3.	6.135	67.49	206.2	.9585	.9435	1.016	380.4
4.	6.135	62.55	193.2	.9551	.9435	1.015	351.0
5.	6.135	62.55	193.2	.9551	.9435	1.015	351.0

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c 1.712 (1-e^{-S}) 0.124
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 249.2 P_c 62.10

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 / F _c
1.	246.2	60.6				60.6	1.50		
2.	241.2	58.2				58.2	3.90		
3.	226.2	51.2				51.2	10.90		
4.	202.2	40.9				40.9	21.20		
5.	202.2	40.9				40.9	21.20		

Absolute Potential: 1025 MCFPD; n .577

COMPANY Dalport Oil Corporation
ADDRESS 030 Fidelity Union Life Bldg, Dallas, Texas
AGENT and TITLE W. A. A. J. President
WITNESSED Bobby Boaz
COMPANY El Paso Natural Gas Company, Jal, New Mexico

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.

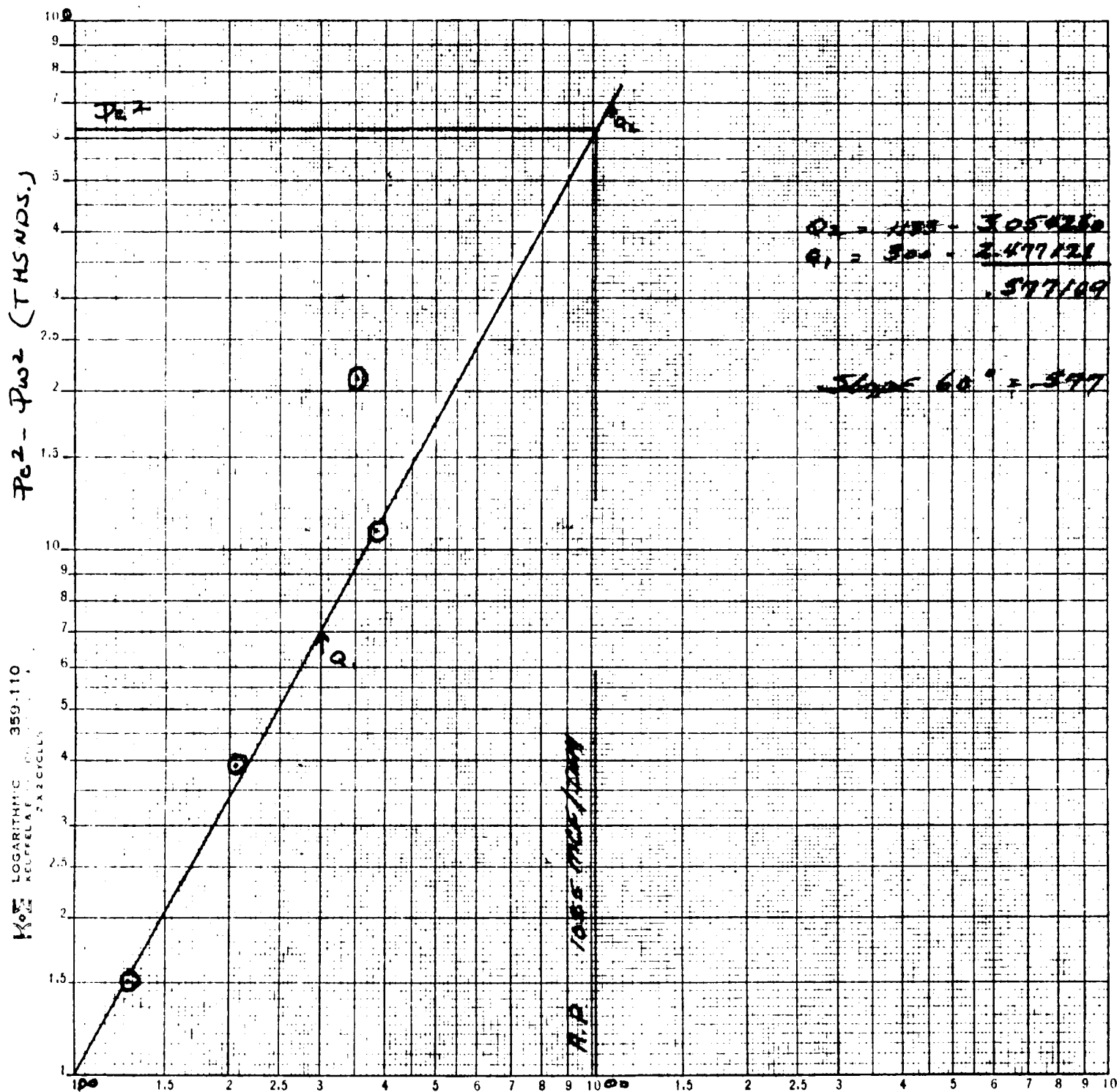
Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated, including the pressure drop due to friction within the flow string at Q .

DAN RT OIL COMPANY

WINTERS B #2

UNIT W 7-25-37 WEA CO.

DATE 6-4-60



$Q - \text{MCF/DAY}$