

NEW MEXICO STATE OIL AND GAS COMMISSION

Form C-122

MULTIPLEX FLOW TEST REPORT

dated 12-1-55

Pool Blinby GasBlinbyLoc., New Mexico

Initial _____

X

Date of Test 8-3-8-9 1957Company Shell Oil CompanySarkyes_____
2Unit X Sec. 23 -21-8 -77-8El Paso Natural Gas CompanyCasing 5 1/2" Wt. 15.54 - 6460Tubing 2" Wt. 4.24 - 6589Gas Pay: From 5557 To 5670 5557 Min. 0.7334073 13.2Producing Tare: Gas 0G. O. DualDual
Date of Completion: June 1952101 deg. F.Tested Through (Excess) (Excess)Flange

No.	Flow Rate			Duration of Flow
	(Previous) (Line) Size	(Current) (Orifice) Size	Press. psig	
SI				
1.	4	1.500	527	22.96 79
2.	4	1.500	524	42.90 72
3.	4	1.500	551	64.00 69
4.	4	1.500	564	81.90 69
5.				

No.	Coefficient (π_{1g}) (24-Hour)	$\sqrt{R_{WP_f}}$	Pressure psi	Address	Rate of Flow G.M.C(FP) 4.15.025 psi	Prod. 1.01	Rate of Flow G.M.C(FP) 4.15.025 psi	Prod. 1.01
1.	13.99	110.18	.9822	.9250	1.061	1.400	21.00	
2.	13.99	154.59	.9957	.9250	1.062	2.103	15.84	
3.	13.99	169.99	.9915	.9250	1.070	2.610	41.23	
4.	13.99	217.39	.9915	.9250	1.070	2.986	48.15	
5.								

Gas Liquid Hydrocarbon Ratio 73.033
 Gravity of Liquid Hydrocarbons 69
1.758 (1-e^{-S}) 0.244

Gas to Gas Separator Gas 0.700
 Gas to Gas Separator Flowing Fluid 0.733
1716.2 2945.3

O.	P ² Pt (psia)	F _{CO}						
1	1518.2	2166.1	2.77	7.40	1.01	2367.9	577.4	1518.2
2	1510.2	2280.7	3.76	13.69	3.01	2284.0	661.2	1511.1
3	1454.2	2114.7	4.99	21.07	5.14	2119.8	825.5	1457.9
4	1405.2	1974.6	5.23	27.56	6.72	1981.3	964.0	1410.0

Absolute Potential: 8.600 0.946
 COMPANY Shell Oil Company
 ADDRESS Box 1957, Hobbs, New Mexico
 AT and TITLE P. A. Dennis, Division Exploration Engineer
 WISSSED Smith & Blumer
 COMPANY El Paso Natural Gas Company

Original Signed by
P. A. Dennis

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.

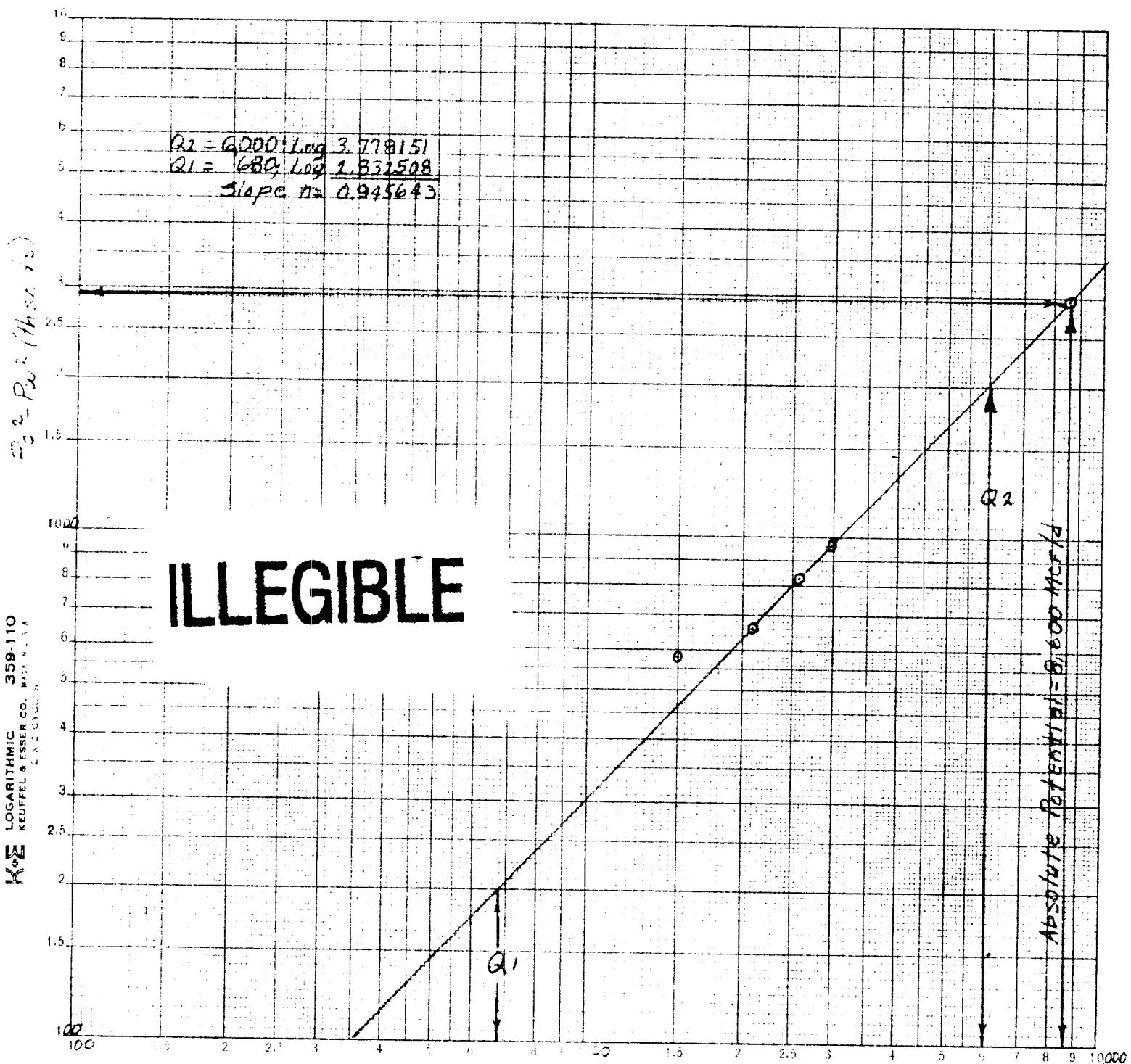
F_t = Flowing temperature correction factor.

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 .

Well 35-30
 Sand Key No. 2 Ellington
 K-23-21-37 Les Co., N. Mex.
 8-9-57



$Q = 15,325 \text{ ft}^3/\text{sec}$ @ 60°F