Form C-122

MULTI-POINT [illegible] 12-1-55

Pool Eumont Formation Queen [illegible] Lea

Initial X Annual [illegible] Test 9-12-56

Company The Texas Company Lease Roy Riddell Well No. 1

Unit N Sec. 12 Twp. 21-S Rge. 36-E Purchaser Permian Basin Pipe Line Co.

Casing 5 1/2 Wt. 15.5 I.D. 4.950 Set at 3700 Perf. 3510 To 3625

Tubing 2 3/8 Wt. 4.70 I.D. 1.995 Set at 3486 Perf. 3482 To 3485

Gas Pay: From 3510 To 3625 L 3482 xh .675 Bar.Press. 13.2

Producing Thru: Casing [ ] Tubing X Type well Single
Single-Bradenhead-G. G. or G.O. Dual

Date of Completion: 1-8-53 Packer [ ] Reservoir Temp. [ ]

CO_2 = .41% N_2 = 1.14% OBSERVED DATA

Tested Through ~~(Prover)~~ ~~(Choke)~~ (Meter) Type Taps Pipe

No.	Flow Data (Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h_w	Temp. °F	Tubing Data Press. psig	Temp. °F	Casing Data Press. psig	Temp. °F	Duration of Flow Hr.
SI						894.9		894.9		72
1.	4	2.00	468.2	6.5	69	822.1		840.3		23 3/4
2.	4	2.00	463.8	10.8	59	779.2		811.7		24
3.	4	2.00	464.9	18.8	63	687.0		767.0		24
4.	4	2.00	468.4	27.1	67	529.5		716.4		24
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_m}$	Pressure p_m	Flow Temp. Factor F_t	Gravity Factor F_g	Compressibility Factor F_{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	29.92	55.94	481.4	.9915	.9427	1.050	1,643
2.	29.92	71.78	477.0	1.0010	.9427	1.054	2,136
3.	29.92	94.81	478.1	.9971	.9427	1.052	2,803
4.	29.92	114.2	481.6	.9933	.9427	1.050	3,359
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio [ ] cf/bbl. [ ] Separator Gas [ ]

Gravity of Liquid Hydrocarbons [ ] Gravity Flowing Fluid [ ]

P_c [ ] P_c^2 [ ] 908.1 P_c 824.6

No.	P_w P_t (psia)	$F_c Q$	$(F_c Q)^2$	P_w^2	$P_c^2 - P_w^2$	P_w Cal.	$\frac{P_w}{P_c}$
1.	853.5			728.5	96.1		.94
2.	824.9			680.5	144.1		.91
3.	780.2			608.7	215.9		.86
4.	729.6			532.3	292.3		.80
5.							

Absolute Potential: 6,600 MCFPD; n .65

COMPANY THE TEXAS COMPANY

ADDRESS BOX 1270, MIDLAND, TEXAS

AGENT and TITLE L. I. BAKER, DISTRICT GAS MAN

WITNESSED WAYNE BROWN

COMPANY PERMIAN BASIN PIPE LINE COMPANY

REMARKS

This is a retest.

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.