

MULTI-POINT 14-1-55

Revised 12-1-55

Pool Dumont Formation Queen Date of Test 9-12-56
 Initial X Annual _____ Special _____
 Company Gulf Oil Corporation Lease Janda "B" Well No. 1
 Unit 1 Sec. 2 Twp. 21S Rge. 36E Purchased Permian Basin FL Co.
 Casing 5 1/2" Wt. 17# I.D. 4.892" Set at 3673' To 3555'
 Tubing 2-3/8" Wt. 4.7# I.D. 1.995" Set at 3584' To _____
 Gas Pay: From 3435 To 3555 L 3584 γ_g 0.665 BGL 2383 Bar. Press. 13.2
 Producing Thru: Casing _____ Tubing X Type Well Single
 Date of Completion: 10-3-54 Packer no Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Meter)Type Taps Pipe

Flow Data						Tubing Data		Casing Data		Duration of Flow Hr.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h_w	Temp. $^{\circ}F$	Press. psig	Temp. $^{\circ}F$	Press. psig	Temp. $^{\circ}F$	
SI						898.0				72
1.	1	1.75	465.0	1.5	105	861.0				23
2.	1	1.75	481.2	7.7	67	765.2				24
3.	1	1.75	470.3	13.9	69	676.3				24
4.	1	1.75	468.6	22.1	74	549.4				24
5.										

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.	21.69	26.78	478.2	0.9592	0.9498	1.035	548
2.	21.69	61.70	494.4	0.9933	0.9498	1.045	1323
3.	21.69	81.98	483.5	0.9915	0.9498	1.047	1753
4.	21.69	103.2	481.8	0.9868	0.9498	1.044	2190
5.							

PRESSURE CALCULATIONS

CO₂ - 1.16%
 N₂ - 1.11%

Gas Liquid Hydrocarbon Ratio _____ of/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 F_c 9.936 $(1-e^{-S})$ 0.151

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
911.2 P_c^2 830.3

No.	P_w P_t (psia)	P_t^2	F_c^2	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_c^2	$P_c^2 - P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.	877.2	769.5	5.445	29.65	4.477	774.0	56.3	879.8	.97
2.	778.4	605.9	13.15	172.9	26.11	632.0	198.3	795.0	.87
3.	689.5	475.4	17.83	303.5	45.03	521.2	309.1	721.9	.79
4.	582.6	316.5	21.76	473.5	71.50	388.0	442.3	622.9	.68
5.									

Absolute Potential: 3300 MCFPD; n .63COMPANY Gulf Oil CorporationADDRESS Box 2167, Hobbs, N.M.

AGENT AND TITLE _____

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} = Supercompressibility factor

n = Slope of back pressure curve.

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