Form C-122
Revised 12-1-55

Pool Dumont Formation Queen County Lea

Initial X Annual Date of Test 9-30-56

Company Gulf Oil Corp. Lease Bell-Ramsay "B" Well No. 3

Unit L Sec. 28 Twp. 20S Rge. 37E Purchaser Permian Basin Pipeline Co.

Casing 5.5" Wt. 14.0# I.D. 5.012" Set at 3650' Perf. 3530' To 3646'

Tubing 2.375" Wt. 4.7# I.D. 1.995" Set at 3637' Perf. To

Gas Pay: From 3530' To 3646' L 3637' G 0.665 GL 2419 Bar.Press. 13.2

Producing Thru: Casing Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual

Date of Completion: 6-6-56 Packer None Reservoir Temp.

OBSERVED DATA

Tested Through (xxxxxxxx)(xxxxxx) (Meter) Type Taps Pipe

No.	(xxxxxxxx) (Line) Size	(xxxxxx) (Orifice) Size	Press. psig	Diff. h_w	Temp. °F.		Casing Data Press. psig	Casing Data Temp. °F.	Duration of Flow Hr.
SI						1030.5	1031.2		72
1.	4	2.00	466.1	6.2	62	945.0	969.4		24
2.	4	2.00	465.1	12.1	61	865.0	922.4		24
3.	4	2.00	468.1	18.0	62	791.0	880.5		24
4.	4	2.00	461.0	24.9	64	688.2	835.7		24
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.	29.92	54.52	479.3	.9981	.9498	1.046	1618
2.	29.92	76.07	478.3	.9990	.9498	1.046	2259
3.	29.92	93.11	481.6	.9981	.9498	1.046	2762
4.	29.92	108.7	474.2	.9962	.9498	1.046	3219
5.							

CO_2 - 3.32%
N_2 - 1.45%

Gas Liquid Hydrocarbon Ratio
Gravity of Liquid Hydrocarbons
F_c (1-e^-s)

Specific Gravity Separator Gas
Specific Gravity Flowing Fluid
P_c 1044.4 P_c^2 1090.0

No.	P_w (psia)			P_w^2	$P_c^2 - P_w^2$	Cal. P_w	P_w/P_c
1.	982.6			939.7	151.1		.94
2.	935.6			875.3	215.5		.90
3.	893.7			798.7	292.1		.86
4.	848.9			720.6	370.6		.81
5.							

Absolute Potential: 6490 MCFPD; n 0.65
COMPANY Gulf Oil Corp.
ADDRESS Box 2167, Hobbs, N. M.
AGENT and TITLE
WITNESSED
COMPANY

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.