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TEFTELLER, INC.
RESERVOIR ENGINEERING DATA
Midland, Texas

O. C. C.
ARTESIA, OFFICE

Well : JAMES RANCH UNIT NO. 3

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Field : LOS MEDANOS

File 3-4870-0FP

GAS PRODUCTION DATA

Date of Test	11-28-72	11-28-72	11-28-72	11-28-72	11-28-72
Rate No.	1	2	3	4	5
Choke Size (Inch)	6/64	9/64	11/64	14/64	16/64
Flow Time Used for Calculations (Hours)	1/2	1/2	1/2	1/2	1/2
Type of Meter	Diff.	Diff.	Diff.	Diff.	Diff.
Pressure Range of Meter	0-1000	0-1000	0-1000	0-1000	0-1000
Size Line (Inch)	4	4	4	4	4
Size Orifice (Inch)	2	2	2	2	2
Type Connections: Flange or Pipe	Flange	Flange	Flange	Flange	Flange
Primary Separator Pressure (Psig)	260	275	505	800	930
Primary Separator Temperature (°F)	80	88	86	82	49
Flowing Temperature (°F)	80	88	86	82	49
Gas Gravity (Lab.)	0.641	0.641	0.641	0.641	0.641
Temperature Base (°F)	60	60	60	60	60
Pressure Base (Psia)	15.025	15.025	15.025	15.025	15.025
Coefficient (MCF/D)	19.81	19.81	19.81	19.81	19.81
Differential (h_w)	13	36	39.5	68	92
Static Pressure (P_m) (Psia)	273.2	288.2	518.2	813.2	943.2
Supercompressibility Factor (F_{py})	1.023	1.023	1.044	1.072	1.101
Flowing Temperature Factor (F_{tf})	.9813	.9741	.9759	.9795	1.011
Specific Gravity Factor (F_g)	1.249	1.249	1.249	1.249	1.249
GAS VOLUME (MCF/D)	1480.4	2512.5	3607.4	6110.6	8113.7
P_f	8051.2	8051.2	8051.2	8051.2	8051.2
P_s	8030.2	8007.2	7972.2	7857.2	7739.2
P_f^2 (Thousands)	64822	64822	64822	64822	64822
P_s^2 (Thousands)	64484	64115	63556	61736	59895
$P_f^2 - P_s^2$ (THousands)	338	707	1266	3086	4927