

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Jalmat Formation Yates County Lea
 Initial _____ Annual _____ Special X Date of Test 12-17 to 12-21-56
 Company Haynes & V.T. Drilling Co. Lease Dunn Well No. 3
 Unit J Sec. 13 Twp. 24 S Rge. 36 E Purchase EPNG
 Casing 5½ Wt. _____ I.D. _____ Set at 3021 Feet. _____ To _____
 Tubing 2 Wt. _____ I.D. _____ Set at 3200 Feet. _____ To _____
 Gas Pay: From 3035 To 3211 L 3200 x G .670 Bar. Press. 13.2
 Producing Form: Casing _____ Tubing X Type Well Single
 _____ Single-Stranded-G. T. or G. O. Drill
 Date of Completion: 9-8-50 Packer: None

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.
	XXXXXX Line Size	XXXXXX x Orifice Size	Press. psia	Diff. in	Temp. °F.	Press. psia	Temp. °F.	
SI						425	425	72
1.	4	x 1.250	386	13.0	95	385	394	24
2.	4	x 1.250	360	25.0	92	363	379	24
3.	4	x 1.250	345	33.6	91	350	370	24
4.	Well was shut in during 4th rate of flow for line repairs.							
5.								

No.	Coefficient (24-Hour)	$\sqrt{h_w P_w}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_c	Rate of Flow Q-MCFPD @ 15.025 psia
1.	9.643	71.91		.9680	.9463	1.034	657
2.	9.643	96.57		.9706	.9463	1.032	882
3.	9.643	109.74		.9715	.9463	1.030	1,002
4.							
5.							

Gas Liquid Hydrocarbon Ratio Dry Mol/bbl. _____
 Gravity of Liquid Hydrocarbons _____ deg.
 F_c (1-6%) _____
 Specific Gravity Separator Gas .670
 Specific Gravity Flowing Fluid 438.2 P_2 192.0

No.	XXXX P_t (psia)	P_t^2	$P_c^2 - P_t^2$	$F_c Q$	$(F_c Q)^2$	$F_c Q^2 (1 - S)$	P_w^2	$P_c^2 - P_w^2$
1.	398.2	158.6	33.4				165.8	26.2
2.	376.2	141.5	50.5				153.8	38.2
3.	363.2	131.9	60.1	Measured			146.8	45.2
4.								
5.								

Wellhead Potential: 2,175 MCFPD @ 55.5 in. .687
 _____ MCFPD @ 53.5 in. .740
 Conducted by: Smith & Blomer
 Witnessed by: _____
 Calculated by: Earl G. Smith