Form C-122

-1-55

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Pool Eumont Queen Lea

Initial X -1-56

Company Cities Service Oil Company Felton #1

Unit C 28 21S 36E Permian Basin Pipeline Co.

Casing 7" 23# 6.366" 3725' 3725' 3830'

Tubing 2" 4.7# 1.995" 3745

Gas Pay: From 3725' To 3830' 3745' .680 2547' 13.2

Producing Thru: Casing X Single

or G.O. Dual

Date of Completion: 1-30-36 None 94° Est.

Tested Through (Prover) (Choke) Flange

No.	(Prover) (Line) Size	(Choke) (Orifice) Size						Temp.		Duration of Flow Hr.
SI						954.3		970.0		72.25
1.	4"	2.00	465.7	8.3	78	878.5	78	922.1	78	23.75
2.	4"	2.00	469.0	14.1	71	750.0	71	793.0	71	24
3.	4"	2.00	480.9	20.2	65	647.1	65	864.7	65	24
4.	4"	2.00	451.4	23.0	65	635.0	65	851.9	65	24
5.										

No.	(24 Hour)						Rate of Flow Q-MCFPD @ 15.025 psia
1.	29.92	63.05	478.9	0.9831	0.9393	1.045	1820
2.	29.92	82.46	482.2	0.9896	0.9393	1.047	2401
3.	29.92	99.90	494.1	0.9952	0.9393	1.051	2937
4.	29.92	103.40	464.6	0.9952	0.9393	1.047	3028
5.							

Gas Liquid Hydrocarbon Ratio Dry Gas Gravity of Separator Gas 1.680

Gravity of Liquid Hydrocarbons Flowing Fluid

F_c 9.936 0.161 983.2 966.7

No.	P_t (psia)					$\frac{P_w}{P_c}$
1.	935.3	874.?	91.9			
2.	906.2	8?1.2	145.5			
3.	877.9	7?0.7	196.0			
4.	865.1	748.4	128.3			
5.						

Absolute Potential: 7385 .59900

COMPANY Permian Basin Pipeline Co.

ADDRESS Hobbs, New Mexico

AGENT and TITLE E. L. West, Gas Engineer

WITNESSED F. T. Furrey, Jr.

COMPANY Cities Service Oil 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.