110000 00770E 000 Form C-122
Revised 12-1-55

Pool	Eumont	1	MULTI	-POINT	BACK PRES	SSURE TE	ST FOR GAR ISSS	WHILS NOV 10	M 7:	59
	ial									
Company Cities Service Cil Lease State "C" Well No. 3										
Unit K Sec. 16 Twp 215 Rge. 365 Purchaser Permian Basin Pipeline Co.										
Casi	ng 7" W	it. 24#	_I.D. <u>6.3</u>	66" Se	et at 37	481 P	erf. 31	30	To 32	50
Tubi	Tubing 2 3/8" Wt. 4.7# I.D.1				• 995* Set at				То	
Gas	Pay: From_	3130 To	3250	L_ 31 3	30 3	.6 60		661	Bar.Pre	ess. <u>13.2</u>
Producing Thru: Casing X Tubing Type Well G.O. Dual Single-Bradenhead-G. G. or G.O. Dual										
Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 8-3-54 Packer Reservoir Temp.										
OBSERVED DATA										
Tested Through (Prever) (Cheke) (Meter) Type Taps										
~	(Prover) (Ch		Data			+	g Data	Casing D		Dumation
No.	(Line)	(Orifice	:)			l	· Temp.	Press.		Duration of Flow
SI	Size	Size	psig	h _w	°F.	psig	° _F .	psig	F.	Hr.
1.	4	0.75	473.6	4.9	106		- 	947.6 677.7		73 23 3/4
2.	4	0.75	470.7		78	 		609.5	 	25 3/4
3.	4	0,75		26.0	76			564.9		233
<u>4.</u> 5.	4	0.75	465.6	41.5	76	<u> </u>		525.8		24
No.	Coeffici (24-Hou	h _w p _f	Fac		Gravity Compress. Rate of Flow Factor Factor Q-MCFPD Ppv @ 15.025 psia					
1.	3.115	3.515 48				•	0.9535	. 		162
2.	3.515	84	.05 4	83.9 0.98		1	0.9535	1.01	3	269
1. 2. 3. 4. 5.	3.515 3.515	112		87.8 78.8	0.985		0.9535 0.9535	1.043		388 465
5.			•••	1010	V. 797	¥			'	483
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 947.6 Pc 923.1										
No.	P _w Pt (psia)	P _t ²	F _c Q	(F _c Q) ²	(F	(cQ) ² (-e ^{-s})	P _w 2	P _c -P _w		Pw Pc
1.	690.9 622.7						477.3 387.8	455.8	 	
3.	578.1						334.2	\$35.3 \$88.9		
4.	539.0						290.5	632.6		
5.				 				L <u></u>		
Absolute Potential: 708 MCFPD; n 1.0 limited										
COMPANY Permian Basin Pipeline Co. ADDRESS Hobbs, New Mexico										
AGENT and TITLE R. L. West. Gas Engineer										
WITNESSED E. H. Furrey, Jr.										
COMP	ANY	Cities :	Service O	11 Co.		 				

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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- P_cI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt_ Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg 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_{\pm} .