MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Jal		F	ormation	Tate	DG.		_County	Les		
Initi	al	Ann	ual		Spec	ial	x	_Date of	Test_6	-13-50	}
Compa	ny El Pas	o Interel (he Gong	PERF	Lease	Prichard		Wel	1 No	1-4	
Unit Sec. 9 Twp. 25 Rge. 37 Purchaser 11 Pase Intural Cas Company											
Casing \$ 1/2" Wt. 15.5 I.D. Set at 3169 Perf. To											
Tubing Wt. 4.7 I.D. Set at 3112 Perf. To											
Gas Pay: From 2962 To 3109 L 3112 xG .665 -GL 2069 Bar. Press.										88	13.2
Producing Thru: Casing Tubing T Type Well Single-Bradenhead-G. G. or G.C. Du											7
Date of Completion: 6-18-57 Packer New Reservoir Temp.											
OBSERVED DATA											
Tested Tarough (Meter) Type Taps T4									7 <u>1.4</u>		
		Flow I	Oata			Tubing	Data	Casing D	ata		
	(FISTOR)	(SHORE)	Press	. Diff.	Temp.	Press.		Press.			Duration
No.	(l ine)	(Orifice)					=		1 1		of Flow
	ize	Size	psig	h _w	o _F .	psig	o _F .	psig	°F∙		Hr.
SI						596		590			72
1. 2. 3.		1.17	232	15.40	67	530		371			4
2.		1.770	7.73	27.15	65	452		337			4
<u> 3. </u>	4	1.730	223	39.69		417	<u> </u>	327	L		**
4. 5.	4	An I am	227	32,56	67	365		JAK	ļ.,		4
No.	(24-Hour) $\sqrt{h_{w}p_{f}}$		p _f	FLOW CALCULATED Flow Temporal Factor Ft		Temp.	Gravity				
1. 2.	17,27		63.37 63.31		•7733		.476	1,023		2552	
	19.27	77.			.9752		·275	1.00		201	
3.	19.27	112.			.9933		.3478	1.823		2009	
5.	47441				•7733		• 7474				
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio 197.9 cf/bbl. Specific Gravity Separator Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fc (1-e^-8) Pc 69.2 Pc 771.1										ing F	
No.	Pt (psia)	P _t 1	r _c Q	$(F_cQ)^2$	(F (1	cQ) ² -e-s)	P _w 2	P _c -P _w ²	Ca.	.	P.W.
1.	523.2	213.7					325.1	46.0	570.2		99.4
2.	473.2	223.8					364.9	10,2	772.2		90.6
3.	43.2		- 1544	164 -			283.2	87.7	1		67.4
4.	376,2	TÚ.					264.4	200.7	334-2	- -	M-A
Absolute Potential: 4,750 MCFPD; n .662 COMPANY 11 Feet Market ADDRESS 7 MR 174 - Jal, MR Market AGENT and TITLE 2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/											
COMPA	NI	THE PERSON NAMED IN	-	77	DEW.	ADVC	·				

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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 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_{DV} Supercompressability factor.
- n I 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_{+} .