Revised	12-1-55

MULTI-POINT	BACK	PRESSURE	TEST	FOR	GAS	WELLS
-------------	------	----------	------	-----	-----	-------

Poo	1 <u>Eumont</u>	Gas	F	ormation	nQ	ueen		County_	Loa	W 9 53
Ini	tial	An	nual		Spec	cial		Date of	Test_5	-14 thru 5-15,5
Com	pany The	<u> </u>	ompany		Lease	C. J. S	aunders	We	11 No	1
Uni	t <u>c</u>	Sec1	Twp. 22-	S Re	ge. <u>36-E</u>	Purc	haser_Pe	rmian Bas	in Pipe	line Company
Cas	ing *3.5" V	vt. 9.3#	_I.D. 2.9	92 _Se	et at 3	628¹ Pe:	rf. <u>3378</u> -	3405 £	Tex 341	6-34541
Tub	ing 1.25" V	it. 2.4#	_I.D <u>1.</u>	380 Se	et at_3	396¹ Pe:	rf33	93'	То	3395'
	Pay: From									
	ducing Thru:									
Date	e of Complet	cion: 8-1	9-57	Packe	r ==	Sin	gle-Brade Reserve	enhead-G.	G. or (.O. Dual
	•					ED DATA		ori iompe,		
Test	ed Through	(Rnoven)	(Chalsa)	(Motor)		DD DAIR		m m-		••
				(Meter)	<u>.</u>			Type Ta		Pipe
	(Prover)	Flow (Choke)	Data	Diff	Temp	Tubing	Data	Casing 1		D
No.	(Line)	(Choke) (Orifice)) DIII.	,			Press.	remp.	Duration of Flow
	Size	Size		h _w	°F.	psig	o _F .	psig	[⊃] F•	Hr.
SI						969.6	•	969.6	-	70.5 Hr. \$1
1. 2.	400	1.75		6,1	62	930.3	•	923.4	65	3 Hrs.
2. 3.	<u>40</u>	1.75	369.6		60	885.6	•	870.9	71	3 11
	411	1.75	377.2	41.4	61 62	826,4 739.3	-	799.1 683.4	72	3 11
<u>4. </u> 5.	<u>h</u> n	1.75		37.4	65	680.7	•	625.4	73	24 11
T	Coeffici	ent	Pr			CULATIONS Temp.		Compre	99.	Rate of Flow
No.					Fac		Factor	Facto		Q-MCFPD
	(24-Hou	r) _/ }	wpf	psia	F	t	$F_{\mathbf{g}}$	Fpv		@ 15.025 psia
1. 2.	21.69	47	.37 3	67.8	0.99	81	.9292	1.03	8	989
$\frac{2.}{2}$	_21.69			82.8	1,00		.9292	1,03		1533
3.	21.69			90.4	0.99		.9292	1.04		2069
4. 5.	21.69 21.69	127		94.0 65.3	0.99		.9292 .9292	1.041		2674 2431
ravı	iquid Hydrod ty of Liquid	d Hydrocar	io bry bons (1-e ^{-s})		cf/bbl. deg.	ALCU'ATIO	Speci Speci	fic Gravi	/ <i>7/_</i> .ty Sepa	rator Gas ing Fluid 65.9
No.	P _w	Pt ²	F _c Q	$(F_cQ)^2$	(F.	cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca: P,	l. Pw Pc
l. 2.				··			890.2	75.71		96.00
3.							807.8	158.1	 	91.45
4. 5.							704.9 566.3	261.0 399.6	+	85.43 76.57
5.						1	481.5	484.4	1	70.60
Abso] COMP <i>l</i>	Lute Potenti ANY The	ial:	3676 Company		MCFPD;					
DDRI	ESSBox	2107. Hob		Mexi co		·				
	[and TITLE_				leum En	gineer /	operth	more	ar	
		t Conducte	d by: M	ralak	Vest -	Permian	Basin Pi	peline Co	mpany	
COMPA	TIVI MIC	nessed by:	-R. L.	McLean	REMA	ARKS				

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
- PwT 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.
- $F_g = Gravity$ correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\mathbf{t}}$.