## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	1	gere b	GEK DE	KOEA	F	ormation	nerce	ea_		County	Sen J	740		
Ini	tial_	X		Annu	al		Spec	ial		Date of	Test	10-14-59		
Con	pany_	Pen Am	orioan	Petro	loun G	erp.	Lease	Fred Fee	sel "G"	Wel	1 No	1	_	
Uni	t	K	Sec	ZTw	p. <b>271</b>	Rg	e. 10M	Purc	haser_ <b>So</b>	thern Uni	Len Ges	Company		
										)				
										ended; no				
	Gas Pay: From 6360 To 6392 L 6335 xG 0.70 (cd.)-GL 4435 Bar. Press. 12													
Pro	ducin	g Thru	: Ca	sing		Tu	bing X		<b>Ty</b> pe We	ell Sir	gle ga	8		
Dat	e of	Comple	tion:_	9-19-	59	Packe	r Bon	Sin	ngle-Brade Reservo	enhead-G. oir Temp	G. or	G.O. Dual	_	
								ED DATA						
Tes	ted T	hrough	(1)	<b>(</b>	Choke)	(100 tours)				Туре Тар	os			
				Flow D					Data	Casing I		<b>↓</b>		
	• • •	(	1 . `	• .	Press	Diff.	Temp.	Press.	Temp.	Press.	Temp.			
No.		Line)	,				0-		0-		~	of Flow		
		Size	S	ize	psig	h <sub>w</sub>	o <sub>F</sub> .	psig		psig	°F∙	Hr.		
SI		Shert	1a 25	days	Ţ			2006		1997				
1.	2"			V.	230					692		3 hours		
2.					<u> </u>									
<u>3.</u>													_	
4.									<u> </u>				_	
5.						<u> </u>			<u> </u>	<u> </u>				
							FLOW CAL							
	C	oeffic:	ient		Pı	ressure			Gravity			Rate of Flow		
No.					<u> </u>	1	Fac	tor	Factor	Facto	r	Q-MCFPD		
		(24-Ho	ur)	√ hw	pe	psia	F	t.	${ t F}_{oldsymbol{g}}$	Fpv		@ 15.025 psia		
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		.365		<del> </del>			2,000		V.7679				_	
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4.													_	
2.												L		
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						PR.	ESSURE C.	ALCOMATI	.ONS					
	T 2 2	a 11a		- D-+-	_		ae/Lh7		Snoot	fia Cmarri	tu San	arator Gas		
			carbor				cf/bbl.						_	
ravity of Liquid Hydrocarbons						deg.			Specific Gravity Flowing FluidP <sub>C</sub> P <sub>C</sub> P <sub>C</sub>					
'c				(	1-e <sup>-s</sup> ∑				Pc	1948	_ <sup>P</sup> c	.U/2, X	_	
			<del>,</del>							~ <del></del>	<del></del>		_	
	$P_{\mathbf{w}}$			- l -		· · · 2		- \2		_2 _2		,   ,		
No.		,	P	[   F	cQ	$(F_cQ)^2$	(F	cQ) <sup>2</sup> -e <sup>-s</sup> )	$P_{w}^{2}$	$P_c^2 - P_w^2$		$\begin{array}{c c} al. & P_{W} \\ P_{L} & P_{C} \end{array}$		
	Pt	(psia)		i			(1		_			P <sub>w</sub> P <sub>c</sub>		
1. 2.					Ţ				35 <b>3,5</b> 33,535	PAN TO	<u> </u>			
۷.										<del> </del>				
3.			<b></b>										_	
4.			<del>                                     </del>							-	<del>-i</del>		_	
5.	L		L							L				
4 hs	olute	Poten	tial.	n	10		MCFPD:	n 0.7	<b>S</b>					
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			*						1	OIL CON	1 0	ì		
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## 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  $\subseteq$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>W</sub>). 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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  $P_{+}$ .

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