MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Besin Bahota				Fo	rmation		Bakets	County See Juan					
Ini	tial		Annua	1		Spe	cial		_Date of	Test	5-27-44		
Company PAN AMERICAN PETROLEUM CORP. Lease Gallegee Compon Unit-Delivell No. 163													
Unit Sec. 26 Twp. 291 Rge. 131 Purchaser													
Casing 4-1/2 Wt. 16.5 I.D. 4.652 Set at 6137 Perf. 6118-6128 To 6217-6229													
Tub	ing 2-3/8	Wt	.7 I.	D. 1.9	95 Se	t at	326 Pe	erf	Open '	To	Inded		
Gas	Pay: From	6118	_To	252	_L	165	xG		4330	Bar.Pre	ss. <u>12</u>	-	
Proc	Producing Thru: Casing Tubing I Type Well Single—Bradenhead—G. G. or G.O. Dual												
Date	e of Comple	tion:_	3-11)-64	Packe	r Ben	Sir	ngle-Brade Reservo	nhead-G. ir Temp	i. or G	.O. Dual		
						OBSER	VED DATA						
Tested Through (Choke) (Choke) (Type Taps Tiese)													
Flow Data							Tubing	ubing Data Casing Data					
No.	(Prover) (Line)	(Cho	oke)	Press.			Press	. Temp.	Press.	Temp.	of F		
_	Size	S	ze	psig	h _w	o _F .		o _F .		°F.	Hr.		
SI 1.	8 Days	+	745	633	×		2074	660 est.	2079		. 1 Br.		
2.							1	-					
3.													
4. 5.		_					 						
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 -r	Coefficient			Pr	FLOW CALCULA			Compage Pate of Flow				OW	
No.	00011101010				F		ctor	Factor	Factor F _{pV}		Q-MCFPD @ 15.025 psia		
- 1	(24-Hour)		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		psia	Ft		$^{\mathbf{F}}\mathbf{g}$					
1. 2.	12,3650				45	1.0000		.9258	1.006 8018				
2. 3.			<u> </u>					 					
4.													
5.												.,.—	
					PR	ESSURE (CALCULAT:	IONS					
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	Liquid H y dr ity of Liqu					cf/bbl deg					rator Gas_ ing Fluid_		
c			(1	_e -8)			-	Pc	091		372,201		
								-					
1	$P_{\mathbf{W}}$			- op					2 -				
No.		Pt	Fc	Q	$(F_cQ)^2$	[(1	F _c Q) ² l-e ^{-s})	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	Ca	l. Pw		
-	Pt (psia)					(:	1-e ^{-s})	7.7.7 V.S.S.	4 404 1A1	P.	P _C		
1. 2.		<u> </u>						,644,100	2,764,181				
3.													
<u>4.</u> 5.		 								 			
	-14 - D		11,4	N83		MUBDO		75	<u> </u>				
	olute Poten PANY		MER TOL	75700	PLETAL CO	MCFPD	but'			IL IM.			
ADDE	RESS	Jon 4	M, Fai	باوجادا	n, Nov	Maries			(C)	WED	7		
	NT and TITI NESSED	E To his	MIGNAL S	Ichm	TAPE E	Cresons.			-/&[b				
	PANY		F. W. 1	oell						1 196			
						RE	MARKS		1 700	' , C	Osu·		
									/ OIL	DIST.			
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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 \equiv 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
- PwI 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 _ 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_{+} .