MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Po	Pool Jalmat			F	'ormatio	on	Yates		County_ Lea_				
In	itial		Ann	ual		Spe	cial	Χ	Date of	Test <u>4</u> .	-6/4-10/19	59	
	npany PETR C	IP.RN C	ALI MII	KNIA									
	it												

Casing 5 Wt.14 I.D. 5.012 Set at 2906 Perf. To													
	Gas Pay: From 2910 To 3085 L 3072 xG .650 -GL 1999 Bar.Press. 13.2												
Dat	ducing Thru Re- e of Comple Comp	etion:	2-23	-59	Pack	er no	Sin ne	ngle-Brad Reserv	enhead-G.	G. or	G.O. Dual		
	Comp	ol.	3-27	-51		OBSERV					•/		
Tes	ted Through	(Pro	ver) (Choke)			LE BRIK		Type Tap	s_ <i>F[</i>	9		
			Flow D	ata			Tubing	Data	I Caging F		, T		
No.	(Prover) (Line)	1 (OLT	TTCe)	İ	į.	,	Press	Temp.	Press.	Temp.	Duration of Flo		
SI	Size	S	ize	psig	h _w	°F.		°F.	<u> </u>	[⊃] F•	Hr.) W	
	4x1.000	+	·	207	4.84	72	440	 	494		72		
2.	4x1.000			220	5.76		376 338	 	428 412		24		
	4x1.000	 -\			12.25	52	305		350		24		
5.	4x1.000	 -		225	20.25	53	260	 	295		24		
No.	Coefficient Flg. (24-Hour)		$ \sqrt{h_{w} p_{f}} $ psia		essure	Factor		Gravity Factor	Facto:	r			
l.	6.135		32.65		20.2	.9837	t	F _g	Fg Fpv •9603 1.020		@ 15.025 psi	.a	
	6.135		36.6	5 2	33,2	1.0039		.9608 1.02			222.1		
3.	6.135 6.135		52.8		28.2	1.0078		<u>.9608</u>	1.023		321.3		
5.	<u>D.135</u>		69.4	2 4	38.2	1.0068		9603	1.024		422.1		
PRESSURE CALCULATIONS as Liquid Hydrocarbon Ratio 141.4 cf/bbl. Specific Gravity Separator Gas.650 ravity of Liquid Hydrocarbons 36.0 deg. Specific Gravity Flowing Fluid Pc 507.2 Pc 257.3													
0.	P _w	Pt2		2	(F _c Q) ²	(F ₀	Q) ²	P _w 2	$P_c^2 - P_w^2$	Cal P			
:	389.2 351.2	151. 123.	5					194.5	62.7	1957,2	1 87		
<u></u>	318.2	101.						180.8 131.9	76.5 125.4	4-5.		\dashv	
-	273.8	74.						95.0	152.3	12.26	1 6	\dashv	
	lute Potent		535	5		MCFPD;	n_ •/2	3				ゴ	
OMPANY SOUTHERN CALIFORNIA PETROLEUM CORPORATION DDRESS Box 1071, Midland, Texas													
	and TITLE	FALT T	LITO TS	ing. T		uen	D1 01 a	lon in	neer /	20 00			
1:1'NE	ESSED Herb	ert H	Kerb	y C		run	DIATR	Lon Engl	ineer (4	- <u>30 - 5</u> 0			
OMPA	NY 1 P	so Na	at'1 0	as Co	•								
						REMA hol	RKS -oil to	reatme	nt # ins	tallin	9 169.		

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.
- Pc 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}^{-}$ Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t 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 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 $P_{\mathbf{t}}$.