Hodge Certice occ

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS
1937 FFR 11 AM q:57

Revised 12-1-55

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	itial										
Cor	npany Amera	da Petrole	um Corp	oration	_Lease	Philli	08	We:	ll No.	8	
Uni	it <u>a</u>	Sec1](w Twp) () 1	ge36	E Puro	chaser	Permian R	- asin Pir	neline	
	ing 7m										
	oing 2-3/8# [
α-		_									
Pro	Pay: From ducing Thrube of Complet	Coolus		<u></u>		XG <u>0.570</u>		2280	_Bar.Pre	ess. <u>13.2</u>	
D-+	Adding Tinu	. Casing		T	ibi.ng	Sir	Type We gle-Brade	ell <u>Sin</u> enhead-G.	G. or G	.O. Dual	
Dat	e of Complet	cion:		Packe	er	9761	Reservo	oir Temp.	880		
					OBSERV	VED DATA					
Tes	ted Through	(Prover)	(Choke	(Meter	<u>)</u>			Type Tar	os		
	Flow Data					Tubing	Data	a Casing Data			
	(Prover)	(Choke)	Press	Diff.	Temp.			Press.	Term	Dumatian	
No.	(Line)	(Orifice)	- []	ŀ				Duration of Flow	
SI	Size	Size	psig	h _w	°F.	psig	°F.	psig	[⊃] F•	Hr.	
		ļ		<u> </u>		959.6				72.25	
1 .	<u> </u>	2.25			60	872.2				24.00	
1. 2. 3.	<u> </u>	-	459		59	803.9				24.25/	
4.	4.11	***	462		61	701.0		 	ļ	23.75	
4. 5.			439	1918	63	625.5				24,00	
No.	(24-Hou		Pressur		FLOW CALCULATI Flow Temp. Factor Ft		Gravity	Factor (Rate of Flow Q-MCFPD 15.025 psia	
2.	40.53	440			1,0000		0.9463	13307		1888	
3°		65.19		1.00			H	1.097		27.46	
1. 2. 3. 4.			18		0.9990		N	1.084		3605	
5.		710			0,99	7/1		1.073		\3988 /	
ravi	iquid Hydrod ty of Liquid 9.936	carbon Rat i Hydrocar	io bons (1-e ^{-s})		essure c. cf/bbldeg.	ALCU ATI	Speci: Speci:	fic Gravi fic Gravi 972.8	ty Flowi	rator Gas <u>0.67</u> ing Fluid	
	D										
No.	P _w Pt (psia)	Pt ²	F _c Q	$(F_cQ)^2$	(F.	_{cQ)} ² _{-e-s)}	P _w 2	$P_c^2 - P_w^2$	Cal P _w	Pw Pc	
l. 2.	885	783 668	18.76	357.94		51	834	112	913	93.93	
~• +	917		27,28	744.20		08	776	170	881	90.63	
3.	639	510	35.82	1283.00		86	696	250	835	85.81	
5.	V37		39.62	1567.74	2	27	635	311	797	81.91	
bso COMP DDR		a Petrole	100 m Corpo	ration	MCFPD;	n0,7	105				
GEN'	T and TITLE ESSED	W.G. Abl	Matt D	w Mexico ist. Eng	ineer	W.G.	ah	roll			
OPLP	W14 T				REMA	RKS					

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.
- $P_c = 72$ hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

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