Revised 12-1-55

MULTI-POINT	BACK	PRESSURE	ጥድናጥ	FOR	GAS	WELLS.
	7717011		11001	LOIL	unu	WITH

Poc	olnmdes:	ignated	F	ormation	n	Dakota		County	San	Juan
Ini	tialx	An	nual		Spec	ial		Date of	Test	10-10-60
Соп	ipany Piece	O PRIVROTAL	M CORP		Lease	Federal		Wel	.1 No	5-B
Uni	t <u>B</u>	Sec5	Iwp. 291	Re	ge. <u>12w</u>	Purc	haser	l Paso Hat	ural G	as Co.
	ing 51 V						6013	4	4	323
	ing 23/8 W									
										ess. <u>12.025</u>
Data	ducing Thru:	ion: o o		Poolso		Sin	gle-Brade	enhead-G.	G. or C	0. Dual
Dao	e of Complet	1011. 0.2	5-60	Facke			neservo	oir Temp	13	38
To a	tod Through	(D)	(0h-1)	/xr-4 - ! \		ED DATA				
103	ted Through			Contract	<u> </u>			Type Tap		
_	(Prover)	(Choke)	Data Press.	Diff.	Temp.	Tubing Press.	Data Temp.	Casing D		. Duration
No.	(Line) Size	(Orifice)	psig		!	psig		psig		of Flow
SI		0.75		W	• 1	2097	F	2100	r •	Hr.
1.						405		946		11
2. 3.		#	_			335		837		2
4.			-		ļ	302	80	784		3
5.										
					FLOW CALC	TIT A TTON	5			
	Coeffici	ent	Pr		Flow T	Cemp.	Gravity	Compre	ss.	Rate of Flow
No.	(24-Hou	_ \			Fact	cor	Factor	Factor	r	Q-MCFPD
\dashv		$r)$ \sqrt{h}		psia	Ft		Fg	Fpv		@ 15.025 psia
1. 2. 3. 4.	12.365			14	0.9813	<u>Q</u>	.9608	1.02	5	3,747
3。								1		
4.										
2• 1			L	L						
				PRI	ESSURE CA	LCULATIO	ONS			
ae T	iquid Hydro	oombon Dot	.		cf/bbl.		C	6 4 - 0		- 1
	ty of Liquid				deg.		Speci	iic Gravit fic Gravit	y Sepa v Flow	rator Gas_0.65 ing Fluid
c		-	(1-e ⁻⁸)				P _c	2109	P _C	Mr. 881
								_		
T	$P_{\mathbf{W}}$	2 1				2		2 -	1	
No.	D. (main)	$P_{\mathbf{t}}^2$	F _c Q	$(F_cQ)^2$	(F _c	Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	$\begin{array}{c c} P_{\mathbf{W}} \\ \hline P_{\mathbf{C}} \end{array}$
	Pt (psia)						633.616	3.814.26	P.	w Pc
1. 2. 3.							0534010	5,014,20		
3.										
4. 5.									 	
	lute Potenti	ial:		- - -	MCFPD;	n				
COMP	ANY					11	0.75			
ADDR		108 1	st Shusk	a, Asta	c, New Me		-/	1.1		`
	T and TITLE. ESSED		- Mayehof Demine		Prod. Eng	r. B	H Way	suffer.		
COMP			co Petro							
					REMA	RKS		(FII)	12.5	

OCT11 1960 OIL CON. COM.

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
- P_w 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 $P_{\mathbf{+}}$.

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