NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

itialimpanyitSo							_Date of	Test	10-11-57	
it # Se	ord Cain		т							
itS			 -	ease	<u> Pughe</u>	•	Wel	1 No	4-30	
	ec. 30 Tw	rp 2	61 Rge	7	Purcl	naser	Pl Page	B iture	1 Gas Comp	
singW	t1I	.D.	Set	at 2	326Per	rf	2187 260	To		<u> </u>
bing W										
s Pay: From_	2187_ ^{TO}	2080	_L	2187_X	G 0.	65 _=GL		Bar.Pr	ess	19
oducing Thru:	Casing_		Tub	oing	<u> </u>	Type We	11	ingle	Leuff O.	
te of Complet	ion:a	-27_57	Packer		Sin	_Reservo	ir Temp.		3.0. Duai	
					ED DATA					
sted Through	(Prover) (Choke)	(Meter)	×			Type Tap	os	· · · · · · · · · · · · · · · · ·	
	Flow I					Data	Casing I	ata	1	
(Prover) (Line)	(Choke)				Į	i .	Press.	;	I of	tion Flow
Size	(Orifice) Size	psig	h _w	°F.	psig	°F.	psig	JF.	Hr	·•
	0.7				795 77				9 bour	•
	0.1	7								
			<u></u>	ET OW CAT	CULATION	s				
Coeffici	ent	Pr	essure	Flow	Temp.	Gravity	Compre	ess.	Rate of F	low
(24-Hour) $\sqrt{h_v}$		w ^p f	psia	Factor Ft		F _g _	Factor F _{pv}		Q-MCFPD @ 15.025 psia	
12.3			58		1.000		i	.004	6	98
s Liquid Hydro avity of Liqui	d Hydrocar	iobons(1-e ^{-s})_	PRI		CALCUIATI	Spec: Spec:	ific Grav	ity Flo	parator Gas owing Fluid	s i
P _w	Pt2	F _c Q	$(F_cQ)^2$	(I (I	F _c Q) ² 1-e ^{-s})	P _w 2	$P_c^2 - P_w^2$. (P. P.	d C
						3.36	535	.605		
•									WH.	允
•									NOV 8 195	
	tial:	695		MCFPD	; n	0.85		•	IL CON. CO	
bsolute Potent										
bsolute Potent OMPANY DDRESS GENT and TITL	FFORD GAIN O Dog 786.	Parming VAL SIGNE	ton, Ho	r Harrice	····		e, Repres	-+	DIST. 3	

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. 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.
- $h_{\mbox{\scriptsize W}}\mbox{\scriptsize I}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV}^{-1} 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_{+} .

OIL CONSERVATION COMMISSION AZTED DISTRICT OFFICE								
Mo. Copper Hardy	4							
	- 1							
		: 						
	/							
ere afficient out of		·						
	1							
		;						
	/	10						