NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

LOOT .	J.	JAHLE		F	ormation	Y	ates		County_		Lea	
Initia	al		Annı	ıal		Spe	cial	x	Date of	Test 8	-22/8-30-63	
Compai	ny Reser	rve Oil	and G	as Comp	any *	Lease	Martin	uBu	We	11 No	1	
nit	P	Sec	31 m	- 24	D	30	, _	. 184	Dage Net			
									L Paso Nat			
ıbing	Hone	_Wt	I	.D	Se	t at	Pe	rf	-	То		
											ss13.2	
te o	of Comple	etion: (Octobe	r 6. 19	47 Packer	n No	Sin	gle-Brad	ell Si enhead-G.	G. or G	.O. Dual	
	1				· racker			neserv	oir Temp.	·		
						OBSERV	ED DATA				,	
∍sted	Through	i (Reco	CEX) (Charter	(Meter)				Type Tap	os	lange	
	75	F	low Da				Tubing	Data	Casing I	ata i		
	(Line)	(State	kek (ice)	Press.	Diff.	Temp.	Press.	Temp.			Duration	
	Size	Si			h _w	\circ_{F} .	psig	°F.	psig	°F.	of Flow Hr.	
	,						13		283	'	72	
4	x .750				3.61	94			249	1	24	
	x .750			226	7.84	92			227		24	
1 4	x .750			208	12.25	80			210		24	
4	x .750			182	21.16	82			183		24	
	3.435 3.435 3.435		30.59 43.30 52.06		9688 •9706 •9813		.9498 .9498	Fg .9498 .9498	F _{pv} 1.03 1.03	20	98,72 139,7	
<u> </u>	3.435		64.27			.9795		9498		17	208.9	
<i>r</i> ity	id Hydro of Liqui • 9002	id Hydro	carbo		<u>, </u>	cf/bbl.	ALCUIATIO	Speci: Speci:	fic Gravit fic Gravit 296.2	y Flowi	ator Gas665 ng Fluid <u>Non</u> 87.7	
P+	(psia)	Pt ²	Fc	2	(F _c Q) ²	(Fc	Q) ² e-s)	P _w 2	$P_c^2 - P_w^2$	Cal		
26	2,2		7	- Ne	gligible	(1-		58.7	19.0	Pw	Pc	
24	0.2 3.2	57. 49.	3							 	+	
								57.7 19.8	30.0 37.9			
17	6.2	38.5	'					38.5	49.2	† - 		
PANY_ RESS_ NT ar	505 M	erve Oi	l and Saving Gregor	ys Buil	mpany ding, Mi d. Supt.	MCFPD;		Saul	J. A.	ory	10-18-63	
PANY_												
						REMA)						

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_W). MCF/da. @ 15.025 psia and 60° F.
- Pc= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw 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.
- 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 $P_{\rm t}$.