NEW MEXICO OIL CONSERVATION COMMISSION

ELVIS A. UTZ GAS ENGINEES

Form C-122

HOBBS OFFICE OCC MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Eumont		03	<u>l</u> Fo	îrhêTiob	O PM C	Quen		_County_	Lea		
Initi	al		Annua	al		Spec	cial	x	_Date of	Test8	1-20 to 8-24-5	
Compa	ny Fl Pas	o Nat	mal G	as Com	ceny	Lease	Shell Sta	te	Wel	1 No	6	
Unit	_ I S	ec	32 Twp	20	S Rg	e. <u>37</u>]	<u>Purc</u>	haser 🚹	Paso Nati	ral Car	Company	
Casin	g_ 5} W	t. <u>15</u>	. <u>5</u> I.	D	.950 Se	t at	369 Pe	rf		То		
Tubin	gW	/t	.7_I.	D1	.995 Se	t at <u>3</u>	486 Pe	rf		То		
Gas F	ay: From_	3375	_To	3490	L 3	.86>	cG <u>.670</u>			Bar.Pre	ss. 13.2	
Produ	cing Thru:	Cas	sing		Tu	bi.ng	X	Type We	11 Sin	r)e	D. J.	
Date	of Complet	ion:	7-10	-54	Packe	r Kone	Sin	Reservo	ennead-G. oir Temp	G. OF G	r.O. Duai	
						OBSERV	ED DATA					
Teste	d Through	(Pro		lhalea)	(Meter)	<u>.</u>			Type Tap	s J .	lange	
		F	low Da	ta			Tubing	Data	Casing I)ąta		
No.	(Prover) (Line)	(Ch	ice)	Press.	Diff.	, ·		Temp.	Press.	Temp.	Duration of Flow	
	Size			psig	h _w	°F.	 	°F.		°F∙	Hr.	
SI l.	1.0	1.9	100	590	3.92	70	953		944	<u> </u>	24	
1. 2.		1.4		591	6.252		909		937		24	
3.		1.5	00	626	7.92	68	877	ļ	930	 	24	
4. 5.		1.5	(00	629_	9.92	66	833	 	922	 	24	
No.	Coefficient		√ h _w p _f P:		ressure Flow Fac		CULATION Temp.		Compress. Factor Fpv		Rate of Flow Q-MCFPD @ 15.025 psia	
1.	13.99		95.85		<u> </u>	9905		.9463	1.0	64	1.337	
2.	13.99		153.60			9943		.9463	1.066		2,155	
3.	13.99		199.70			9924		9463	1.0		2,805	
1. 2. 3. 4.	13.99		250.8	250.85		.9924		.9463	1,069		3,522	
as Li Fravit	quid Hydro y of Liqui Magared	d Hydr	rocarbo	กร	,			Speci Speci	fic Gravi fic Gravi	ty Flow	rator Gas ving Fluid 933.5	
No.	P _w	Pŧ	g F _o	Q	$(F_cQ)^2$	(1	(cQ) ²	P _w 2	$P_c^2 - P_w^2$	1	Pw Pc	
Ţ.	957.2							916.2	17.3		.9905	
2 . 3.	950.2							902.9 889.6	30.6 43.9	_	.9832	
4.	943.2							874.6	58.9		9675	
5.	77710											
COMPA ADDRE AGENT	SS and TITLE	F1 P	Box	1384; Weight	Patro	any	ineer &					
COMPA	SSEI) NY					Company						
					- C	REA	MARKS					

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 I Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). MCF/da. @ 15.025 psia and 600 F.
- P_c = 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
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mbox{W}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft_{-} Flowing temperature correction factor.
- F_{DV} 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 $P_{\rm t}$.