NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE OCC C-122

			MULTI	-POINT BAC	K PRESSU	RE TEST	FOR GAS	WELLS	JUL 13	The 11 : 47	
			F	ormation_		Queen		_County	ics		
itia	ıl	Anı	nual		Specia	1	<u> </u>	_Date of !	rest <u>5-1</u>	6 to 24, 196	
mpaı	ıy She `	11 Oil Com	pany	Le	ase	tate "T	pes .	Wel	l No	1	
										Company	
										3552	
s P	ay: From_	3490 To	3552	L349	0x G_	.675		356	Bar.Pres	s. <u>13.2</u>	
odu	cing Thru:	Casing	<u> </u>	Tubi	ing		_Type We	11 6.6.	Dual C	O Dual	
. ما	of Complet	ion: 1	-1-53	Packer	3635	Sing	Le-Brade _Reservo	nnead-G. ir Temp	G. OF G.		
	or complete	,1011			OBSERVE						
					ODSERVE			m			
ste	d Through	(December)	(Ghelen)	(Meter)			_	Type Tap	S_Pipe		
		Flow	Data			Tubing	Data	Casing D	ata	Duration of Flow	
T	(Line)	1 /	\	1	1			P	1 1	01 110.	
1	Size	Size	psig	h _w	°F•	psig	°F.	psig	³ F∙	Hr.	
I								695	 		
土					99			AA2 A00		24	
<u> </u>	4	1.250			68			467		24	
+	4	1,250			76			453	 	24	
,	Coeffic (24-Ho	,		psia F10W Fac		tor Facto		y Compress. r Factor Fpv		Q-MCFPD @ 15.025 psi	
	10.24		1,16	462.2			.9427	1.055		319.1 407.8	
	10,24		0.09	459.2	1,0010			1.04		468.4	
<u>, </u>	10.24		6,60	462,2			.9427	1.046		469.3	
+	10,24	- 4	7.20	404.2	.3934						
s L:	v of Liqu	rocarbon Re id Hydroca	arbons	Dry	cf/bbl. deg.	LCUT ATI	Spec Spec	ific Grav ific Grav 706.2	ity Flow	rator Gas6 ing Fluid_ M 6	
Ţ	10	P _t .	F _c Q	$(F_cQ)^2$	(F.	a) ²	P _w 2	P _c -P _w ²	Ca	1. P _W	
°•	Pt (psia)		· c ·			Q) ² -e ^{-s})	•••		P	P _W P _C	
丰	557.2	310.5	.2904 .3711	.0843	.01		310.5	191.0 239.2	557 512		
+	512.2 480.2	230.6	A262	1816	.02	72	230,6	270.9	490	2 67.8	
	466.2	217.3	.4271	.1824	.02	74	217.3	284.2	466	2 65.8	
		ntial:			MCFPD;	n1	.000				
		Shell C			Name Mane	lco a					
		LE A. L.				d. C	Elec	rd			
	ESSED	Joe Hor									

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.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- F_{g} Gravity correction factor.
- F_t 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 $P_{\rm t}$.