NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

HOBBS OFFICE OCC
MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS
PM 1:07

Revised 12-1-55

PoolFormation						County				
nitial	lmet Ar	nual		Sp **						
Company						X Wel		ll No 2-11-57		
nit <u>Hambi</u>										
asing V	Vt. <u>25</u>	I.D. 2	 Se	t at	Pe	rf	EPNG	_To		
ubing 💃 V	/t. <u>14</u>	_I.D _	. 01.2 Se	t at 🎒	<u> </u>	29)	2	To	1 9	
as Pay From	4.7 To	1	.995	<u> </u>	K		3	Bar Pr	n	
roducing Thru:	2950 sing	31.09		ing	0.66	Type W	1094	•	13.2 O. Dual	
te of Complet	ion:		Packer	r	Sin	gle-Brade Reserve	enhead-G. oir Temp 4	G. or G.	O. Dual	
	12						-			
sted Through	(Prover)	(Choke)	(Meter)				Type Tap	os		
T /5	Flow	Datas	****		Tubing	Data	Casing D)a+a !		
of (True)	(Choke) (Orifice) Press	Diff.	Temp.	Press.	Temp.	Press.	1 1	Duration of Flo	
Size	6806A	psig	h _w	o _F .	psig	°F.	psig	°F•	Hr.	
	0.125	338		69	27		517 148		72 8 3	
	0.203	257		73	259		348		3	
7 3	0,250	160	F	LOMACALO	ULASSONS	3	335 343		3	
Coefficient		h _w p _f Pressure psia		Flow Temp.		Gravity	Compre	ss. Ra	Rate of Flor	
(24-Hou	r) -	¹ w ^p f	psia	Ft	,	Fg	Fpv	@	15.025 psi	
0.342.8			351.8	0,9915		0 013E	1 605			
0.7651			272.2	0,9696		0,9535 0,9535	1,035		117 207	
1.4000			233.2 193.2	0.9952	COVE A MITO	0.953 <u>5</u> 0.9535	1.00		245 248	
1.4030 Liquid Hydrod	anhan Dat		PRE		HCO ATTC		1.026		225	
ity of Liquid	l Hydrocar	bons(1-e^-s)		cf/bbl. deg.		Speci	fic Gravit fic Gravit	ty_Flowin	tor Gas g Fluid	
		(1-e - <u>7</u>						_Pc		
$P_{\mathbf{W}}$	Pt ²	E O	(T. 0)2		0,2	·	2 2	260		
Pt (psia)	ft	F _c Q	(F _c Q) ²	(1-	Q) ² e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Cal.	P _W P _C	
**										
ALC:		MASHR				245.2	35.9	495.2 438.8	0.934	
olu da k tenti						12.3	135.4	340.2	0.712	
	aT:		•	MCFPD; 1	n	126.9	254.8	3%.2	0.672	
PANT					•	ELA				
PANT PRESS INT and TIME	le Gil &	311 Refining	Go.			540	···········		·	

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
- 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
- P_{f} Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{nv} 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 $P_{\rm t}$.