NEW MEXICO OIL CONSERVATION COMMISSION

OR GAS WELLS

Form C-122

Revised 12-1-55

MULTI-POINT	BACK	PRESSURE	TEST	FOR	GAS	WELLS
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Pool _	Eumon	iE		F	rmation	Que	en	-	County	Les		
Initial	<u> </u>		Annu	21		Spec	ial				17/56	
					Lease Konstate							
									Northern			
									3			
									525			
r roduc <u>i</u> r	ig littu:	(a)	sing		Tui	onng	Sin	Type We gle-Brade	ell <u>sing</u> enhead-G.	G. or G.	O. Dual	
Date of	Complet	ion:_	8/31/5	3	Packer	<u> </u>		Reserve	oir Temp.			
						OBSERV	ED DATA					
Tested T	h ro ugh	(Pre	er) (£	helse.)	(Meter)				Туре Тар	s Pipe		
			low Da				Tubing	Data	Casing D	ata I		
No. (F	rover) Line)	(Cho	ke) ice)	Press.	Diff.	Temp.		Temp.				
	Size			psig	h _w	o _F .	psig	o _F .	psig	□ _F .	of Flow Hr.	
SI							1016.7				721	
L. L #		2.2		450.4		74. 67	931.3				_24	
3. #				459.3		68	850.1 774.6			 	24.	
. #		•		463.1	33.0	69	643.2			 -	23-3/4	
5.												
					T.	T OUT OAT (3117 AMTON	C				
C	oeffici	ent		Pr			CULATION Temp.		Compre	ss. R	ate of Flow	
No.	•			1	i	Fo of	-02	Footon	Footo	_	O MCEDD	
1	(24-Hou	r)	√ h _w p	f	psia	Ft	t	^{F}g	Fpv	@	15.025 psia	
	2.53	1	50.50		3.6	0.9868		0.9393	3.050		2231	
1	<u> </u>				2.5	0.9933		0.9393	1.052		3327	
) c	:				8.9	0.9924	,	0.9393	1.054		4060	
	<u> </u>		125.37	4	6.3	0.9915		0.9393	1.054		1988 	
s Liqui avity o	f Liquid		ocarbo			cf/bbl. deg.	ALCU ATI	Speci Speci	fic Gravit	ty Flowin	ator Gas ng Fluid 0.7 x 10³	
	(psia)	Pt2		5	$(F_cQ)^2$	(F ₀	Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Cal P _w		
. 94	3.3	892.1 745.3	22	-167 -057	1092.8	78 173	13	970.2 919.1	90.5	985.0	0.96	
	7.8	620.6		-340	1627.3	258		379.3	141.6	959.7	0.93	
. 65	6.4	430.9		.561	24.56.3	390		121.5	239.2	906.4	0.88	
bsolute OMPANY_	Potenti	ial:_ •lly 0	19,000 11 C o.			_MCFPD;	n_0.868	6				
DDRESS_	Bo	z 38.	Hobbs.	M. H.	/							
GENT and		Mone	6	Me	<i>v</i>		Dist.	MIPL.				
OMPANY_												
_					·	REMA	RKS					

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 \equiv 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
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If P_{W} cannot be taken because of manner of completion or condition of well, then P_{W} must be calculated by adding the pressure drop due to friction within the flow string to P_{t} .