## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

	_
Revised	12.1-55
RAVISED	12.515.7

Poc	ol	Ba <b>si</b>	n Dal	kota	F	ormation	Dake	ota		County	San J	Juan
Ini	tial	X		Anrıu	ual		Spe	cial		Date of	Test	6-17-1963
Con	ipany	Ten	neco	011	Co.	~ <del>-</del>	Lease	U.S.A.	Scott	We]	l No	1
Uni	.t		Sec	wr <u>88</u>	p2	8 N Re	ge. 13	Puro	haser			
Unit Sec. 28 Twp _ 28 N Rge. 13 W Purchaser												
Tubing 2 3/8 Wt. I.D. Set at 6049 Perf. To												
Gas Pay: From To L xG 0.65 -GL Bar.Press. 12.0												
Pro												
Dat	Producing Thru: Casing Tubing X Type Well Single Gas  Single-Bradenhead-G. G. or G.O. Dual  Date of Completion: Packer Reservoir Temp. 166											
								ED DATA		_		
Tested Through (Choke) (MANN) (Choke)												
~				Flow D	ata			Tubing	Data	Casing D	ata	T
No.	(Prov (Lir	er) e)	(Ori	fice)		. Diff.	_		Temp.	Press.	1	of Flow
SI	Siz	e	S	ize	psig	h <sub>w</sub>	°F.	psig		psig	°F∙	Hr.
<u>1.</u>			0.	750	<u> </u>			1921	78	1910	<del> </del>	3 hrs.
1. 2. 3.											ļ	
4. 5.		;		<del></del>		<u> </u>			<u> </u>			
<u>5. l</u>	<del></del>					<u> </u>			<u> </u>			
	FLOW CALCULATIONS											
No.	Coefficient		P:	- Pressure Fig.		Temp. Gravity Factor		Factor		Q-MCFPD		
<del></del>				√ h <sub>w</sub> i								_
1. 2. 3. 4.	12.3650			238		.9831		.9608	1.02	1.021 2814		
3. 4.												
5.												
						PRI	ESSURE C	ALCU ATI	ONS			
las T	Liquid H	vdro	ea rhor	. Ratio	,	_	of/bbl		Snoat	fic Consuit	Ca	mat an Ga
iravi	ity of L	iqui	d Hydi	rocarbo	ons		deg.		Speci	fic Gravi	ty_Flow	rator Gas
'c				(]	L–e <sup>–s</sup> ∑	<del></del>			Pc	1933	Pc 3	736 489
	D			<del></del>	<del></del>			·	·	<del></del>	<del>-,</del>	
No.	$P_{\mathbf{W}}$		P <del>f</del>	F	Q	$(F_cQ)^2$	(F	cQ) <sup>2</sup> -e <sup>-s</sup> )	$P_w^2$	$P_c^2 - P_w^2$	Ca	1. P.,
1.	Pt (ps	ia)		`		<del></del>	(1	_e-s)			P	P <sub>w</sub> P <sub>c</sub>
2.									300 884	3349 605		
3. 4. 5.	<del></del>		<del></del>	<del></del> -							<del> </del>	
5.										<u> </u>		
Abso	olute Po	tent:	ial:	<del>-30</del> 55			_MCFPD;	n <u>O</u>	.75	<b>(1:</b> 0856)	}	
COMPANY ADDRESS												
	T and T ESSED_			<del></del>			Т	J. Lacey		\delta(\)	LIA	LD
	PANY			Ten	neco O	il Compa	ny			- W		1960
							REM	ARKS				COM.
REMARKS  REMARKS											7.3	

## 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.
- PcI 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
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{pv}$  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  $P_{t}$ .