## Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pao]	l Besin		Fo	_FormationDake			<del></del>	_County	San J	Juan			
	tial												
Comp	pany Danca	itiv n 011	Proper	tios	·	Lease	Skelly	Governmen	tWel	l No	_1_		
Unit	<b>E</b> S	ec. <u>22</u>	Twp	o. <u>27</u>	<b>N</b> Rg	e. <u>9W</u>	Pur	chaser			<del></del>		
Casi	ing 4 1/2 W	t. <u>10.</u>	<u>.5</u> I.	.D	Se	t at <u>69</u>	<b>10</b> P	erf66	34	To	6902		
Tubi	ing <u>1 1/4</u> W	t	I.	.D	Se	t at6	<b>851</b> P	erf. Open	Ended	To			
Gas	Pay: From_		_To		L	x	G065	<b>o</b> =GL		Bar.Pre	ess		
Prod	ducing Thru:	Cas	sing		Tu	bing	X 94	Type We	ll S	ingle -	- Gas	nal	
Date	e of Complet	ion:_	<b>5-3</b> .	L-63	Packe	r		Reservo	ir Temp.				
						OBSERV	ED DATA						
Test	ed Through	TERM		Choke)	(HELEE)				Туре Тар	s			
Flow Data					T Tubi			ng Data   Casing Data					
$\overline{}$	(Prover)	(Chc	ke)		Diff.	Temp.			Press.		1	Duration	
No.	(Line) Size		ice) ze	psig	h <sub>w</sub>	o <sub>F</sub> .	psig	o <sub>F</sub> ,	psig	o <sub>F</sub> .		of Flow Hr.	
SI							2070		2066				
1. 2.		ļ						<del></del>	<del></del>		┿	<del></del>	
3.	20	3/4"		182		65			1373		3 hours		
4. 5.		-						_			+		
No.	Coefficient (24-Hour) √ h <sub>w</sub> p <sub>f</sub>			Pressure		CULATIO Temp. tor		1		Rate of Flow Q-MCFPD • 15.025 psia			
1.													
2. 3.	12.365		19A		194	.99	52	9608	1,019		23	2337	
4. 5.					<del></del>								
ravi	Liquid Hydro ity of Liqui	d Hydr	ocarbo	o ons l-e <sup>-s</sup> )		cf/bbl.		Speci Speci	fic Gravi fic Gravi	ty Flor	wing F	luid	
No.	P <sub>w</sub> Ft (psia)		<sup>2</sup> F <sub>c</sub> Q		(F <sub>c</sub> Q) <sup>2</sup>	(F (1	(cQ) <sup>2</sup> (-e <sup>-s</sup> )	P <sub>w</sub> 2			al. P.	P <sub>w</sub> P <sub>c</sub>	
1. 2.								• 6*4	2 :22 :2			3 0000	
3. 4. 5.	1385							1,918,225	2,416,49	7		1.7938	
Abso COMI ADDI	plute Potent PANY Duncar RESS Box 13 NT and TITLE	011 7 7. Du	roper	Colore			n <u>.75</u>	1.551					
WITH	NESSED	- VIIGIT	ar sigi	. EU 117 -		<b></b>							
COM	PANY					DELA	ARKS				<del></del>	ì	

## 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  $(P_W)$ . 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.
- 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  $P_{t}$ .