## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	1 <u>30.</u>	Elan	co Pict	tured	<u>Cliff</u> F	ormation	<u> </u>	icture	d Cli	fs	_County	Rio Ar	riba	
Ini	tial_		X	Annu	al		Spec	ial	<del> </del>		_Date of	Test_ <u>J</u> บ	ly 27, 1960	
Com	pany	<u>نا وەد</u>	nion G	es Com	oany		Lease	Jicar	illa	<del></del>	Wel	1 No	<u>5-k</u>	_
Uni	t	a	Sec	Tw	p- <b>_25</b> 1	Rg_Rg	e <u>5</u> w_	Pu	rchase	er_iou	thern Uni	on Cas	Company	_
Cas	ing 1.1		Nt	15a I	.D.	060Se	t at 311.	3	Perf.	30	62	To	098	
		_									6	_	•	_
Gas	Pay:	From	3062	_To	3098	L	x	.G		GL		Bar.Pre	ess	
Pro	ducing	Thru	: Cas	sing		Tu	bing	X	T	ype We	<u>ائد 11</u>	n_le-Ge	.O. Dual	_
Dat	e of C	omplet	tion:_	July :	Lie 190	<u>60</u> Packe	r None	S	ingle- Re	-Brade eservo	nhead-G. ir Temp	G. or G	G.O. Dual	_
	OBSERVED DATA													
Tes	ted Th	rough	(Pro	<del>(</del>	Choke)	(Meter)					Type Tap	s		
			F	low D	ata	<del> </del>		Tubi	ng Dat	a	Casing D	ata	T	_
						. Diff.	Temp.	Pres	s. I	Cemp.	Press.	Temp.	Duration	
No.		ine) ize	(Orif	fice) Lze	psig	h <sub>w</sub>	o <sub>F</sub> .	ps <b>i</b> ,	g	o <sub>F</sub> .	psig	<sup>⊃</sup> F•	of Flow Hr.	
SI			20			<u> </u>		909	<del></del>		909 753		9 days	_
1. 2.			3/4	Ħ	297		58		_		753		3 hours	_
<u>3.</u>	<del></del> •		1		<del>                                     </del>	<b>†</b>	<del></del>					<b>-</b>		-
_4。														_
5.			<u> </u>	<del></del>						1			<u></u>	_
							FLOW CAL	רווד א יידי	ONS					
	Coe	effici	ent	·····	Pi					vity	Compre	ss.	Rate of Flow	_
No.	(2	24-Hoι	ır)	7 h. a			Fac	tor	Fa	ctor	Facto F <sub>pv</sub>	r	Q-MCFPD @ 15.025 psia	
		3650		γw <sub>1</sub>	-									_
1. 2. 3. 4.	129	2020			<del></del>	309	1.001	<del>'</del> ———	0.94	03	1.039		3,71.9	-
3.													<del></del>	_
4.														
5.							<del></del>			·				
			ocarbon Id Hydr		o		ESSURE C						rator Gas	
יר יר	10, 01	n+442	.aya.	(:	1-e <sup>-5</sup> )	<del></del>					921	P2	81.8	-
				`				•		70.		P2	585	_
					<del></del>	_						**		-
No.	P <sub>w</sub>	\	Pt	F	Q	$(F_cQ)^2$	(F	<sub>c</sub> Q) <sup>2</sup> -e−s)	F	<sub>w</sub> 2	$P_c^2 - P_w^2$		P <sub>W</sub> P <sub>C</sub>	
<del></del>	Pt (r	osia)		_				<u>-ε σ</u> )			<del></del>	P	y Pc	4
1. 2.												<del>                                     </del>	<del></del>	_
3. 4. 5.														
4.														4
			L			1 4 5 -	<del></del>				· <del></del>	<u>.l</u>		لـ
COM	PANY	South		ion és		HATLY	MCFPD;	n(	.85				· · · · · · · · · · · · · · · · · · ·	
ADDE	TESS	PTOT D	U0 - F	anning	ton, N	ew Mexic	<b>20</b>					-11 11-		_
WITH	VESSED	1 1 1 1 1 1 1 1		وت هيس	Penk	- POFT	KGL	<del></del>			75	<i>HVH</i>	7	-
	PANY_			100							alt	FILL		_
/		9	212	-/	7 · ·	374	rem 19 =	ARKS				CON. S		
	72	-1 2-	765		1		•					Samuel Samuel Samuel	er.	

## 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<sub>w</sub>). MCF/da. @ 15.025 psia and 60° F.
- $P_c$ 2 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.
- $F_t$  Flowing temperature correction factor.
- F<sub>DV</sub> Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If  $P_{\mathbf{W}}$  cannot be taken because of manner of completion or condition of well, then  $P_{\mathbf{W}}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\mathbf{t}}$ .

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