MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	Under	dgnated	F	ormation_	Piet	ared Cli	_County_	Arriba				
Init	ial	A:	nnual		Speci	ial		_Date of	Test	7-22-61		
Comp	any Sea	r-Alam Oi	1 Company	7I	ease	arringte	n-Poiera	l Wel	ll No	2		
Unit	S	Sec	Twp. 24	Rge	1	₩ Purch	naser					
Casi	ng 44 W	t. 9.54		Set	at_306	2 Pei	rf	<u> </u>	_To	3072		
Tubi	ng 1 3/4" W	t. 2.4	I.D	Set	at_311	6 Per	rf		_To			
Gas	Pay: From_	3054 To	3072	L1	4x0	65		1985	Bar.Pre	288•		
Prod	ucing Thru:	Casin	g	Tub	ing I	· ·	Type We	11	ingle			
Date	of Complet	ion:	-29-61	Packer	None	Sing	gle-Brade Reservo	enhead-G. oir Temp.	G. or	3.0. Dual		
					OBSERVE							
Test	ed Through	(Prover	(Choke)	(Meter)				Туре Тар	os			
			w Data		1	Tubing		Casing I)ata			
No.	(Prover) (Line) Size	(Choke) Press	Diff.	•	Press.	Temp.	Press.	Temp.	Duration of Flow Hr.		
SI	Size	Size	psig	h _w	-F•	psig	F.	psig	F •	111.		
1.	24	3/4	1.85		60°			835		3 Hr.		
2 . 3.				+								
4.												
<u>5. l</u>		L						<u> </u>	<u> </u>			
						ULATIONS		10		Pate of Flow		
No.	Coeffici	ent	F	ressure			Gravity Factor		4	Rate of Flow Q-MCFPD		
	(24-Hou	r) /	h _w p _f	psia	Ft	,	$^{ m F}$ g	Fpv		● 15.025 psia		
1.	12.365			197	1000		.%00	1.01	6	e 15.025 psia		
2 . 3.												
4.												
5.												
las L Iravi	iquid Hydro ty of Liqui	carbon R	atio		CSSURE CA cf/bbl. deg.	alcui at io	Speci		ity Flow	arator Gas ving Fluid		
'c	3.912		(1-e ^{-s})	0.134			^Р с—	847	_Pc	17.409		
No.	P _w	Pt ²	F _c Q	$(F_cQ)^2$	(F ₀	Q) ² e-s)	P _w 2	P _c -P _w ²	Ca	Pw Pc		
<u></u>	197	38.80	1052	108.65	1.45		53-25	664				
2 . 3.												
4.					1							
	lute Potent	ial•	2,700	 	MCFPD;	n 0.	85	1 				
COMP	ANY	JANE SOFT	MOR. CO.	·	_rorib;	**	Δ					
		ABUNCK	G. JAN	1809		- 			$\overline{+}$			
	T and TITLE ESSED	<u> </u>				1/1			#			
COMP				OIL COMP		ADVC	2700			<u> </u>		
	17.10				REM	ARKS						

17:10 20:10

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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- $\mathbf{F}_{\mathbf{pv}}$ 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 $P_{\mathbf{t}}$.

		- 		1							11		++	F		: * * * * : 	7		٠٠٠	-	-	+	-
				-	-	Η.		-				-	$\dagger \dagger$							11			
344	o. Z	L.a.	N.	D.	1	Co	,								· 					+	-	-	
Sha HARRI RIOM	ME &	0 10	F	di		L	2	7	SF	0	7	? :	44			Ļ	-	-		7	-		
PA			4 6									-		1	÷	Ш.		يوخدو. - دو دنه					Н
G I K MA	ALM //							-						-	. : '						1		-
727-	61	!.:: 		-‡	-	+-						-+-	+-i	-		+-	-+-		1			1	
				i i	1-1			· -				+		-1-		:		:					
<u> </u>			i	<u>.</u>						-		-+	+-	-			-+	<u> </u>			-	-	
	•			. :			•		!						• • •		.		1			- -	1
			- -	1			•	•	1				4	, ,	1		- 1		!	1	i		1 -
		•	1		·1 ·	: :			:	•	1				<u> </u>						: - ::::	· i	
				-1				-		1					 	-			1				1
				-+	+-	+		1:				7-7			-								
									1	1	1:1:	-			 	- :		· · · · · · ·	+			+	
\sim					1				1	 	111							· -	1	++-			
77					_	- -		 	A	1			-		1 -					1		-	-
*	· · · · · · · ·					1			1		1			-					.	+			1
					-						+ -			11									
2		i :						•	00		+	<u> </u>			İ			:					
			-			+-	·	· · · · · · · · · · · · · · · · · · ·	14	+	+-	1-1		+-+		- -				1		1	Ţ
K	1.11		1-14	‡	. ;	1														1 :			- 1
<u> </u>	• 1 11 11 1	1		1.1.	- 1				H	` !			• !	1					1				. 1
'			. i	1	.1				1		1	,	_			 .			: .	+	بد نالا	<u> </u>	+
	i III								12		4	+		++	+				+		+		1
												1		\Box									-1
,					\perp		· · · · · ·	<u></u>				+-		+-}		: - ; ·					†		+
121	ļ	: . - -	-		-	1.5			4	 	-	+-		11	+-	- : i			-		1		
	1:						· :		_	- 1	1	-	-+				<u></u>			++	+-	+ +	
			\											- 1									_
	 		1			£	: :			ندست ا			T						1 :				
11 7:11			1	1											;			i		!	; 		
_			}	 -		. -	:						+ +							;			:
				1			:	. :	l t		 	- -	1 -	-	L. .			• • · · · · · · · · · · · · · · · · · ·				j : ;	,
			:			: :	•				, .							İ	•	i	i		
	:				. :								5 7	6.6				.i	3	4	- [.i.	, – ,
	2	3	4	5 1	, ,	4 9		10	2	• .1	~		· ′										