Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Besin Dekota					Formation Dakota				County San Juan			
Initial Annual Special Date of Test 12-12-63												
							Well No. 10					
Unit B Sec. 33 Twp. 30-W Rge. 13-W Purchaser El Paso Matural Gas Co.												
Casing <u>k-1/2</u> Wt. 10.5 I.D. k.052 Set at 62k5 Perf. 5978 To 6165												
Tubing 1-1/2 Wt. 2.90 I.D. 1.610 Set at 6133 Perf. 6123 To 6133												
Gas Pay: From 5978 To 6165 L 6123 xG .735 -GL 4500 Bar. Press. 12.0												
Producing Thru: Casing Tubing XX Type Well Single Ges Single-Bradenhead-G. G. or G.O. Dual												
Date of Completion: 11-28-63 Packer Reservoir Temp.												
						OBSERV	ED DATA					
Tested Through (Choke) (Choke) (Tester)												
			low Da			0		Data	Casing D		-	
No.	(Prover) (Line)	(Cho	ke)	Press			Press		- - - - -	op.		
_ 1	Size		ze	psig	h _w			o _F ,		F.	Hr.	
SI		 	<u>/</u> a	269	 	769	1659 269	760	1872		1 hrs	
1. 2.	29	3	/A	207						<u> </u>	·	
3.					 _							
4.		 										
No.	Coefficient (24-Hour) √ h _w p _f				Pressure Flow Temporator psia Ft			Gravity Factor			Rate of Flow Q-MCFPD 15.025 psia	
1.	12.3650		Λ 2-M1		281	.985		.9035	1.032		3191	
2.	12,707	<u></u>										
2 . 3.			 									
4. 5.												
					PF	ESSURE (TAIUULAT	ions				
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 1864 Pc 35k9.5												
	P _w	·	2		(= 0)	, ,	2012		P _c -P _w ²		al. Pw	
No.	Pt (psia)	P	E F	'cQ	(F _c Q) ²	()	F _c Q) ² 1-e ^{-s})	P _w 2			P _w P _c	
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2. 3.										1		
4.									 	YA	FOFIA FD	
5.	olute Poter	44-14	30	20	.	MCPPD	; n	75		J/	AN 28 1964	
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	ENT and TITI	Herman	Molne	IIIy								
	PANY	El Pas	o Katu	ral Ce	re Comber	DE	MARKS					
	· (3) #	er Nex	iee 0.	C.G.		r.c.	- TETHIN					
	ii x	r. Pau	1 Clet	20			Mars					
	(1) 1	Paso	Hatur	el Ger	Paso,	roration Pexas	rabr.					
	(2) 1 (1) 1	r. H. Mile	L. Kir	drick	P.O.	30x 990,	Farming	ton, N.H.				

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 600 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.
- $h_{\mbox{\scriptsize W}}\mbox{\scriptsize \square}$ Differential meter pressure, inches water.
- F_{g} Gravity correction factor.
- Ft_{-}^{-} Flowing temperature correction factor.
- \mathbf{F}_{DV} 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 $P_{\mathbf{t}}$.