MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo]	South Blane	o Piet	ured	<u> </u>	ormation		Mctured	Cliffs	County	Rt.	o Arriba	
Initial X Annual				Special				Date of Test		7-7-58		
Company Southern Union Gas Co.				Lease Jicarilla			-illa	Well No				
Unit	- K	Sec	33_Tw	p	6Rg	e. <u> </u>	Purc	haser_S	outhern U	nion Ga	s Ce.	
Casi	.ng <u>5 1/2"</u> k	/t	5.5 I	.D. <u>L</u>	.950 Se	t at	33 R KB Pe	rf	31:00	То	31,1,8	
Tubing 2 3/8" Wt. 4.7 I.D. 1				1.995 Set at 3400			rf	3385	То	3400		
											ess. 12.0	
Prod	ucing Thru:	Cas	sing_	··	Tu	bing	I Sin	Type We	ell s	ingle G	as Dual	
Date	of Complet	ion:	6-27-	<u>58</u>	Packe	r	- otti	Reservo	oir Temp.	G. OF	7.0. Dual	
						OBSERV	ED DATA					
Test	ed Through	(Prev	<u>er) (</u>	Choke)	(Meter)	fetor)			Type Taps			
	Flow Data								ng Data Casing Data			
No.	(Prover) (Line)	(Cho		Press	Diff.	-	Press.	,	Press.	Temp.	Duration of Flow	
SI	Size	Si	ze	psig	h _w	o _F .	psig	°F.	psig	[⊃] F•	Hr.	
1.		3/	/1 "	200		62°	1060 200	62	1060 562		9 days 3 hours	
2. 3.												
4. 5.												
							CULATION					
No.					ressure Flow Temp. Factor			Factor Factor Q-MCFPD				
	(24-Hour)		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		psia l		t	Fg	Fpv		@ 15.025 psia	
1. 2. 3. 4.	12,3650				212 0.9981			0.9/163	1.0	23	2,533	
2 c 4 •												
<u>5. l</u>												
_							ALCULATIO					
ravit	iquid Hydro ty of Liqui	d Hydro	ocarbo	ons		cf/bbl. deg.				ty Flow	rator Gas ving Fluid	
c			(1	e ^{-s} }				Pc	1072	_Pc P2		
1	P _w		- - - - - - - - - - 			1		<u>W</u>	574	¥	329.5	
No.	Pt (psia)	$P_{\mathbf{t}}^{2}$	Fo	િ	$(F_cQ)^2$	(F ₀	cQ) ² -e ^{-s})	P_w^2	$P_c^2 - P_w^2$	Ca P	P _w P _c	
1. 2.			_					329.5	819.7		₩ <u> </u>	
3.										 	<u> </u>	
4. 5.												
Absol COMPA	Lute Potent:	ial:	3,	371		MCFPD;	n0	.85				
מאעעאא	ESS P. C and TITLE	O. P.	77 X 75	. Farm	ineton.	New Mexi	.ĠQ					
WIINI COMPA	722FN	-		ELLER.								
						REMA	ARKS	165		1		
								1100	CON. CO			
								ال	CON. CO	DMI		

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 T Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 60° F.
- Pc= 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fny Supercompressability factor.
- n I Slope of back pressure curve.

Note: If Pw cannot be taken because of manner of completion or condition of well, then Pw must be calculated by adding the pressure drop due to friction within the flow string to P+ ..