MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

1001			r	ormation	<u> 164 53 </u>	MALLOA		County_	LAS	<u> </u>		
Initial X Annual_					Special				Test_1	0-30/D-3	1-61	
Compa	any R1 Pe	so Natural	Gas Con	meny :	Lease	Lusk D	ep Unit	We	ll No	3		
		Sec. 20										
		Wt. 17.0							To 1	2.390		
		Wt. 3.25										
		12,370 To									2 0	
lat.e	of Comple	: Casing		Popleon	Dual I	1,2846ir	gle-Brad	enhead-G.	G. or C	.0. Dua	1	
llev	stion - 35	tion:		Packer	ornara	12,343	Keserv	oir Temp.	145			
					OBSERVE	ED DATA						
este	d Through	(Opposed)	(Sherizer)	(Meter)				Type Ta	os	Lange		
		Flow	Data	7 7:00			Data			<u> </u>		
٥.	(Line)	(Crifice)	Press	Diff	i	Press.	Temp.	Press.	Temp.		ration f Flow	
\perp	Size		psig	h _w	o _F .	psig	°F.	B1 se	[⊃] F•	Mine , an		
	2 000					3845						
	3.000	2,000		23	80 71	3652 3482		11/64			05 9e	
	3,000	2,000			64	3305	 	16/64	 		85 95	
,	3.000 3.000	2,000	705		63	37.35		18/64		•	75	
<u> </u>	3.000	2.000	676	9	66	3598	<u></u>	11/64		14	40	
	0. 00: 1			F	LOW CALC	ULATION	S					
	Coeffici	Lent	Pressu		e Flow Temp.		Gravity	Compre	Compress Rate of Flow Ractor Q-MCFPD			
	(24-Hou	$r)$ \sqrt{h}	wPr	psia	Fact F+	,01	F_	F _{pv} Vol		u-Mu⊮PD 20 215.025 peis		
.	27.52	75	.26	628.2	0.9613		0.9608	1.056	107.0	2171	2278	
	27.52	124	.52	674.2	,9896		.9608	1,068	164.0	3479	3643	
	27.52			706.2	.9962		.9608	1.078	225.0	4528	475 3 5686	
	27.52 27.52			718.2 689.2	.9971		.9608 .9608	1.078	300.0 143.0	5356 2213	5686 2356	
	of Liqui	carbon Rat d Hydrocar	bons 5	2,559 5.5	SSURE CA cf/bbldeg.	LCU ATI	Speci	fic Gravi fic Gravi	ty Sepa	rator Ga	.s 650 E	
	15.255 * lculated !		(1-e ^{-s})_	0.514			P _c	9558.2		14885.7		
) I	w t (psia)		F _c Q	$(F_cQ)^2$	(1-	Q) ² e−s)	P _w 2	$P_c^2 - P_w^2$	Ca:	1. P.	ж Ж	
\blacksquare		13433.7	34.75 55.57	1207.6 3088.0		0.7	14054.4	831.3	31-0.7	0.9	717	
	3325.2		72.51	5257.7			13712.8	1172.9	3703.1		530 538	
1	3145.2	9892.3	86.74	7523.8			13759.5	1126.2	3709.4		KILA	
		13040.8	35.94	1291.7			13704.7	1181.0	3702.0		595	
	te Potent		,000		MCFPD;	n1.0	00000					
MPAN DRES		Box 1384		iew Mexic	^							
ENT	and TITLE	Peyton N.	Randolr	h - Engl	Ber	Peyton	m. R	ndolph				
TNES	SED R. A	. Mikel, B	obby Bos	s. David	Dyer	1		-				
MPAN	1P	aso Natura	l Gens Co	mpeny	REMAI	DK.C						
					L EMATE.	uvo					1	

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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- P_c= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- For Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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} .