1-El Paso - Lou Gasloway MEXICO OIL CONSERVATION COMMISSION 1-File

> Form C-122 Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Aztec-Fr	uit land	Ext	F	ormation	Fru	itland		County	San Ju	a n	
Initial Annual Annual					Special				Date of	Test_8	-18-58	
Compa	any Pau	1 Case				Lease	Sul	Livan	We]	ll No	4	
Unit	<u> </u>	Sec 25	Twp.	29	NRg	e. <u>11W</u>	Pu	rchaser				
								158 Perf. 172	_	To 17	74 74	
	_											
Tubing 1 Wt. 2.4 I.D. Set at 1751 Perf. 1751 To 1747 Gas Pay: From To L 1554 xG 560 -GL 871 Bar. Press.												
Date	of Complet	ion:	8-8-58		Packer	r Baker l	S Model A	Type Weingle-Brade	enhead-G.	G. or G	.O. Dual	
						OBSERV	1594		311 10mp*_			
m + -	- 3 m	40		1	(M-1)	VALCEO	ED DAI	A				
reste	d Through								Type Tap			
		Flow Da		Press. Dif		Temp.		ng Data s. Temp.	Casing D			
No.	(Line) Size	(Orifi		osig	h _w	°F.	ps i	g o _F ,	psig	∍ _F .	of Flow Hr.	
SI l.		1					618		622	†		
2. 3.		3/4*		56			616			62	3 hrs	
4.												
5 . l									L	1		
	Coefficient Pr					FLOW CALCULATIONS ressure Flow Temp. Gravit			ty Compress. Rate of Flow			
No.	(24-Hou	(\mathbf{r}) $\sqrt{h_{\mathbf{w}}p}$		- psia		Factor F _{t.}		Factor F _g			Q-MCFPD @ 15.025 psia	
1.	70.000		Y 1			0052						
1. 2. 3. 4.	12,3650			68		.9951		1.0351	1.00		869	
5.												
					PRE	SSURE C	ALCUTAT	TIONS				
	quid Hydro										rator Gas	
	y of Liqui 1 .217	-	carbons (1-e	<u>-s)</u>	.060	deg.		Speci P _c _ 6 °	fic Gravi	ty Flow _Pc402	ing Fluid	
								0				
No.	$P_{\mathbf{w}}$	P _t .	F _c Q		$(F_cQ)^2$	(F	_c Q) ²	P _w 2	$P_c^2 - P_w^2$	Ca	1. P	
	Pt (psia)					(1-e-s)		W		P		
1. 2. 3.	63	4.62	1.059		1.118	0.6	7	5.29	397		1.013	
4. 5.			 									
	ute Potent	ial:	879			MCFPD;	n_ 1.0			1		
COMPAI ADDRE	NY Pa	ul Case		יוייניפו	a, New 1							
	and TITLE	Т. А.	Dugan,	Cons	ulting]	Ingineer	Origi	inal signed l	oy T. A. Di	igan .		
COMPA						REM	ARKS					

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 (Pw). 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
- P_t 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_{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 $P_{\mathbf{t}}$.