Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	l Angelo Per	k Peke	ta_	F	'ormation	Daket	<u> </u>		_County_	Sen Ju		
Ini	tial		_Annua	al		Spec	ial		_Date of	Test_M	yN,	1960
Com	pany Pan Amer	rigan P	otrol	Ga	rporeti a	nease	, C. Dav	idees "I"	Wel	1 No	1	·
Uni	t <u>#</u>	Sec22	Twr	o 	Rg_Rg	e. 10 W	Purc	haser_	milera Ur	ion On	Comp	
Casing 1/2 Wt. 9.5 I.D. 4.690 Set at 6662 Perf. 6903 To 6537 Tubing 2-3/8 Wt. 4.70 I.D. 1.995 Set at 4600 Perf. To												
Gas	Pay: From_	6503	To_	539	LL	x 0	G.700 (o	et) _GL	4536	Bar.Pre	ss	12
Producing Thru: Casing Tubing I Type Well Single - Single-Bradenhead-G. G. or G.O. Dual										ıal		
Date of Completion: 5-22-60 Packer Reservoir Temp. 140 F												
						OBSERV	ED DATA					
Test	ted Through		(Choke)	Market				Type Tap	s		
	· · · · · · · · · · · · · · · · · · ·		low Da				Tubing		Casing D		<u> </u>	
No.	(Line)	(Cho		Press	. Diff.			Temp.	Press.		1	Ouration of Flow
	Size			psig	h _w	° _F .		°F.	psig	^o F∙		Hr.
SI l.	Sheek is	9 407		674		(des) (des)	1970		1970		31	lours_
2 . 3 .												
4. 5.								†				
FLOW CALCULATIONS												
	Coeffici	Coefficient		P	Pressure Flow		Cemp. Gravity				Rate of Flow	
No.	(24-Hour) -		V hwpf		psia				Factor F _{pv}			
1.	12,365		·		690	1,000		0,9298	1.0		85	
1. 2. 3.												
4. 5.												
					PR.	ESSURE CA	ALCU ATI	ONS				
Gas I	Liquid Hydro	carbon	Ratio)		cf/bbl.		Speci	fic Gravi	ty Sepa	rator	Gas
Gravi	ity of Liqui	d Hydro	ocarbo		2.444	deg.			fic Gravi		ing Fl	luid
C								- C		C _	<u> </u>	
	$P_{\mathbf{W}}$	-2	T_	_	(= 0)2		0,2		$P_c^2 - P_w^2$,	B
No.	Pt (psia)	$P_{\mathbf{t}}^2$	Fo	i l	$(F_cQ)^2$	(1:	Q) ² -e ^{-s})	P _w 2	Pc-Pw	F	1. W	Pw Pc
1.								,311,347	1,407,79			
3												
4. 5.										1		
COMP ADDI AGEN	PANY Par Agreement PANY Par Agreement PANY Par Agreement P	7. Yes	Potential to the second		Copperat v Karteo L Area E	MCFPD;	n_ 0.7					
	PANY					Dime	ADKC				F11 -	
			1			KEM	ARKS			OF!	FIVE	

JUN2 1960 OIL CON. COM. DIST. 3

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. 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.

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