Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Undesi	.gna ted		Fo:	rmation_	Da	kota		County	San	Juan
Init	ialX	A	nnual			Spec	ial		Date of	Test	12-8-59
								• Martin			
IIni+	# B	3	Trun	29N	Rose	11W	Pu	rchaser	No Coni	1 0 ct10	n
	# B S 5½ W 2 3/8 W	15±"		4.8 4.9	92 `` ⁵ `	. 6	783	- 64	57	m- \$	6484
Casi	ng W	t	I•D•.	7.0	Set	at		Peri.	1.02	10	61.00
Tubi	.ngW	t	I.D.		Set	at 6459	9	Perf	421	To	6455
Gas	Pay: From_	6457 T	°	34	_L_64	51x	G 0.60	50GL_3	597	Bar.Pre	ess. 12
Prod	ucing Thru:	Casin	gNo)	Tul	oing	Yes	Туре We	ell Sine	1e (Gas-Distillat
Producing Thru: Casing No Tubing Yes Type Well Single Gas-Distillat Date of Completion: Packer None Reservoir Temp. 189											
Dase	OI COMPTED	10111			done.				, <u></u>		
		YYYY			VVVV	OBSERV	ED DAT.	A			
Test	ed Through	(Prover) (Cho	ke)	(Meter)				Type Tar	os	
			w Data					ng Data	Casing I	ata	Duration
No.	(Prover) (Line)			ess.	Diff.	-	l	s. Temp.	1	1	of Flow
	Size	Size	p	sig	h _w	°F.	I	g °F.	psig	[⊃] F•	Hr.
SI l.		3/4"		05		- 86	2000	,	2020 1180	 	10 day SI 3 hr test
2.											
<u>3.</u>		 								+	<u> </u>
4. 5.											
					I	LOW CAL	CULATI	ons_			
N.	Coeffici	ent		Pre	essure	Flow	Temp.	Gravity Factor	Compre	ess.	Rate of Flow
No.	(24-Hou	r) /	$\overline{h_{\mathbf{w}}p_{\mathbf{f}}}$]	psia		't	Fg	Fpv		@ 15.025 psia
1.	14.1605			51	17	0.975	59	0.9535	1.0	110	7146
2 . 3.				+							72.40
4.				-							
<u> </u>	÷ ,							# T OV G			
					PRI	ESSURE C	ALCULA				
as L	iquid Hydro	carbon R	atio			cf/bbl.		Speci	ific Gravi	ity Sepa	arator Gas 0.66
	ty of Liqui			- s)		deg.	<u>-</u>	Pc—	2032	Pc 1,	wing Fluid 129,004
Ü								Pw= 1	1192	Pv- 1	,420,864
	$P_{\mathbf{W}}$	Pt ²	^		(F 0)2	/	2 0 12	D O	$P_c^2 - P_w^2$		al. Pw
No.	Pt (psia)	$^{ ext{P}}\widetilde{\mathbf{t}}$	F _c Q		$(F_cQ)^2$	(1	$(c_{c}^{Q})^{2}$	P _w 2	Pc-rw		Pw Pc
1. 2.				#							
3.				_							
4.								ļ	ļ	+	
5.	luta Pera	ial•	9806			MCEDD.	n (1.	525) * 75	1.373/3	,	
	olute Pornet	ornatio wikins	nal_0: _011_(Ll_C Conm	erpore	161011 ''		Trant	- 1 Z	ray	
וועעא	ESS						Aut	horized A	gent		
WITN	TESSED										
COMF	ANY					=				 	

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_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
- Pf Meter pressure, psia.
- $h_{\mbox{w}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing température correction factor.
- F_{nv} 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 $P_{\mathbf{t}}$.

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