MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	ol So F	lanco	P.C.		_Fo	rmation	Plo	tured C	lif:	ſs	County_	San J	nan,	N.M.
														3-58
Con	npany Ver	tern Na	tural	Gas	Con	pany.	Lease	Marre	on_		We	ll No.	_3_	·
Uni	.t _p	_Sec	22_Tw	/p	27	_N_Rg	e•{	Pt Pt	urcl	naser	EPNG Co.			
Cas	ing_5	_Wt15	50_I	.D	4-9	50 Se	t at_2	226.45	_Pe1	rf•_2113.	-19, 2126	_To_46	215	(2-721
													-	L B. B.
Gas	Pay: Fro	m_2106	To	2174		_L 2	146	_xG_Rst.		55=GL <u>1</u>)	105.6	_Bar.P	ress.	12.0
Pro	ducing Thr	u: Ca	sing_			Tu	bing_	<u> </u>		_Type We	ell_Sing	la		
Dat	e of Compl	etion:	9 –2 7	-5 8		Packe	rNc	S	Sing ——	gle-Brade Reservo	enhead-G. oir Temp.	G. or	G.O.	Dual
								RVED DAT						
Tes	ted Throug	h (Pr	ver) (Chok	e)	(Meter)					Type Tap	os "		
			Flow D					Tubi	ng	Data	Casing I			
No.	(Prover) (Ch (Ori		Pre	ss.	Diff.	Temp			Temp.	Press.		.	Duration
	Size	(011	ize	ps	ig	h _w	°F.	psi	g	o _F .	psig	∍ _F .	1	of Flow Hr.
SI l.		<u> </u>						756			756			15 days
2.		 	-750	4	"		62_	114			641	 	+-	3 hours
<u>3.</u>					\Box				\Box				1	
<u>4.</u> <u>5.</u>				-	+			-	\dashv			 	-	
					<u> </u>			·			-			
 -	Coeffic	cient.	 		Pre			ALCULATI		Gravity	Compre		Da+	of Flow
No.	(24-Hour) 7		$\sqrt{h_{\mathbf{w}}}$					Factor Ft		Factor Fg	Factor F _{pv}		Rate of Flow Q-MCFPD @ 15.025 psia	
1. 2.	14.1605				426		9981		-9571		1.043		6,010	
3.														
4. 5.														
	Liquid Hydr ty of Liqu		rocarbo		<u> </u>		cf/bbldeg		TIO	Speci	fic Gravi fic Gravi 768		wing	
No.	P _w Pt (psia)	P	F	Q		$(F_cQ)^2$		$(F_cQ)^2$ $(1-\epsilon^{-s})$		P _w 2	$P_c^2 - P_w^2$	С	al. P _w	P _w P _c
1. 2.					$oldsymbol{oldsymbol{oldsymbol{eta}}}$					26,409	163,415	-		
3. 4.					\bot								<u>_</u>	
5.		+			+-					· 			-	
Ábso	lute Poren	tial:_	17,9	10_			_MCFPI); n	0.8	35		_ _		
COMP ADDR		Mestern	- Na tur	al C	-		Man							
	T and TITI			Jac	111	gton, N	etrole	un Engin	1001					
COMP	ESSED	Oliver	Towell		<u> </u>						OFIL IS		· · · · · · · · · · · · · · · · · · ·	
2011		Konson,	Monti.	n 's -	GP	or Dril	ling G	MARKS		R	CT1619 L CON. C DIST. 3	OM.		

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
- 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.
- F_{g} 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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