MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

· <u> </u>	معم أب مقاملا	atad	H'C	rmation	4 44 44	LAG OTTY	<u>* </u>	Ourcy	MIA WE	LT DF	
	Undesign	Ann		-	Speci	al =	D	ate of Te	st_ 8/	12/58	
tia	y Magnolia	P-A-3-3-st		T o	J	icarilla	#H#	Well	No. 7	P.C	TT
pan	y Magnolla	Lectore	at ocup	1.0			D.	ed Ma Mor	rthme et	Pipel	ine
.t _	M Sec	. <u>1</u> T	wp2	Rge	3	Purch	aser		969	e' 1	
	7 5/8" WH.	26.40#	I.D. 6.	969" Set	at 3950	Per	f. 3605	T	00	5.	
	a 4/2E	L 7#	T D 1.	995# Set.	at. 3658	B' Per	f	<u> </u>		-	<u> </u>
TriR	y: From_	16051 m	3675	1 T 365	81 x(. 0.680es	-GL	2487 B	ar.Pres	ss. 12	pela
s Pa	y: From	10_				x	Type Wel	G.G.Da	al		
duc	ing Thru:	Casing_		Tub	ng,	Sing	le-Braden	head-G. G	or G	.0. Dua	1
e c	of Completi	on: 7/26	1/58	Packer	non		_Reservol	r Temp			
						ED DATA					
	d Through	(EXCES)	(Choke) (15557)				Type Taps	3		
3tec	d inrough					Tubing		Casing Da			
Т	(Prover)	(Choke)	Data Pres	s. Diff.	Temp.		Temp.	Press.	Temmp.		uration of Flow
	(Line)	Size) .		o _F .	psig	°F.	psig	[⊃] F•		Hr.
\perp	Size			1		95h 125	66	95 <u>1.</u> 282	-	3 h	rs.
	2"	0.750	12	5	66	125	60	208			
\vdash										 	
士						 					
<u> </u>					DI ON CA	T CITT A TO TO N	ıs.				
	Coefficient Pressu		Pressure	FLOW CALCULATIO		Gravity	Compre) 00p-		Rate of Flow Q-MCFPD	
,				psia	Factor F _t 0.9943		Factor F _g	Factor F _{pv}		@ 15.025 psia	
(24-Ho		r) V	h _w p _f	137							
	12.3650										
+											
										 	
+											
+++++++++++++++++++++++++++++++++++++++				PF	RESSURE	CALCU' AT	IONS				
		and a P	atio				G	ific Grav	ity Ser	parator	Gas_
s L avi	iquid Hydro	ia Hyaroc	aroons_	-	cf/bb]	l .	Speci	iria Cmar	i+v Fla	owing F	Tritoned
s L avi	iquid Hydro ty of Liqui	ia Hyaroc	aroons_	-	cf/bb]	l .	Speci	ific Grav ific Grav 966	i+v Fla	owing F	Triton
s L avi	ty of Liqui	ia Hyaroc	aroons_	-	cf/bb]	l. g. —	Spec: Spec: Pc—	ific Grav	ity Flo	933.2	Tulo
s L avi	ty of Liqu	па нуагос	aroons_	-	cf/bb]	l. g. —	Speci	iria Cmar	ity Flo	933.2	Triton
s L avi	P _w	P _t ²	(1-e	s) <u>.</u>	cf/bb]	l .	Spec: Spec: Pc—	ific Grav	ity Flo	933.2	Tulo
s L avi	P _w	па нуагос	(1-e	(F _c Q)	cf/bb]	l. g. —	Spec: Spec: Pc—— P _w 2	966	ity Flo	933.2 Cal.	Tulo
s L avi	P _w	P _t ²	(1-e	(F _c Q)	cf/bb]	l. g. —	Spec: Spec: Pc—— P _w 2	966	ity Flo	933.2 Cal.	Tulo
s L avi	P _w	P _t ²	(1-e	(F _c Q)	cf/bbl_deg	(F _c Q) ² (1-e ^{-s})	Spec: Spec: Pc———————————————————————————————————	966	ity Flo	933.2 Cal.	Tulo
s Lavi	P _w	P _t	F _c Q	(F _c Q)	cf/bbl_deg	l. g. —	Spec: Spec: Pc—— P _w 2	966	ity Flo	933.2 Cal.	Tulo
s Lavi	Pw 29h	P ²	F _c Q	(F _C Q)	cf/bbldeg	(F _c Q) ² (1-e ^{-s})	Spec: Spec: Pc———————————————————————————————————	P _c -P _w	ity Flo	933.2 Cal.	Tulo
s L avi	Pw 294 colute Poter PANY MAGN RESS P. O.	Pt Pt BOX 210	F _c Q 174 ROLEUM 6. HOEB	(F _C Q)	cf/bbldeg	(F _c Q) ² (1-e ^{-s})	Spec: Spec: Pc———————————————————————————————————	P _c -P _w	ity Flo	933.2 Cal.	Tulo
Absocom ADD AGE	Pw 29h	Pt P	F _c Q 174 ROLEUM 6. HOEB	(F _C Q)	cf/bbldeg	(F _c Q) ² (1-e ^{-s})	Spec: Spec: Pc———————————————————————————————————	P _c -P _w	ty Flo	933.2 Cal.	Pw Pc

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_W). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- Pw- 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n _ 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} .

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