MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

HORRS OFFICE OCC

Form C-122

Revised 12-1-55

Poo	ol Jalmat	,		F	'ormation	Yates	(65) FEB & Seve	10 M 1 n Riveri	0:44 County_	Lea	
Initial Annual Special Date of Test 3-7-58										-7-58	
Con	mpany Conti	nenta	1 01]	Com	pany	Lease	Meyer	A-29	Wel	1 No	1
Unit O Sec. 29 Twp. 22 Rge. 36 Purchaser El Paso Nat. Gas Company											
Casing 7" Wt. 17 I.D. Set at 3390 Perf. 3100 To 3390											
Tubing None Wt. I.D. Set at Perf. To											
Gas Pay: From 3100 To 3390 L 3100 xG .665 -GL 2062 Bar.Press. 13.2											
Producing Thru: Casing Tubing Type Well Single Single-Bradenhead-G. G. or G.O. Dual											
Dat	e of Complet	cion:_	12-24	<u>53</u>	Packe	r None	Sir	ngle-Brade Reservo	enhead-G. oir Temp	G. or G	.0. Dual 900
						OBSERV	ED DATA				
Tested Through (Chara) (Meter) Type Taps Flange											
			Flow Da	ata			Tubing	Z Data	Casing D	ata	
<u> </u>	(SCHOOLECK)	100	OKK)	Press	. Diff.	Temp.		Temp.		Temp.	
No.	(Line) Size		fice) ize	psig	h _w	°F.	psig	°F.	psig	[⊃] F•	of Flow Hr.
SI									62 6		72
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3.	 	-		 	 						
4.											
5.	<u> </u>	<u> </u>			<u> </u>	L	<u> </u>	1	<u> </u>	<u> </u>	
			<u> </u>			FLOW CAL					, <u></u>
No.					Pressure Flow		Temp.	Gravity	Compress. Rate of Pactor Q-MCFP		Rate of Flow
NO.	1 4		$\sqrt{h_{w}}$	h _w p _f psia		Factor F47		Factor	Fpv		@ 15.025 psia
1.	`		54.03		4672	.9498		1.0117			336
2.											
3. 4.											
5.											
PRESSURE CALCULATIONS											
las i	Liquid Hydro	carbor	n Ratio	ررر مر	ry	cf/bbl. deg.					rator Gas •665 ing Fluid_
C	.4682	ia iijai	(1-e ^{-s})	.132		_	P _c 6	39.2	P _c 40	08.6
	xD _W	,	,			<u> </u>	2		2 ^	<u> </u>	
No.		Pt	E F	cQ	$(F_cQ)^2$	(F	cQ) ² -e-s)	P_{W}^{2}	$P_c^2 - P_w^2$	Ca	P _W P _C
٦.	Pt (psia)	228.7		.57	.025	•00		228.7	179.9	P. 478.2	
2.	4/01	200,7								775	
3. 1									<u> </u>	- 	<u> </u>
<u>4.</u> 5.										<u> </u>	
COM ADD AGE WIT COM	colute Potent IPANY Conti PRESS Box 6 INT and TITLE PRESSED	nenta 8, Eu	il Oil	New	Mexico		n_•7				
obi	ring the r tained. H nducted 3- flow.	egula loweve 7-58	er, the	ti-po ne da he a	oint te ta used verage	sting shere v	arks schedul vas tak slope	e, a raten from of .771	the deli drawn t	ow cou iverab hru hi	ld not be ility test ghest rate

NMOCC-3 EWW HLJ RLA File-2

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. 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.
- FgI Gravity correction factor.
- Ft 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 $P_{\mathbf{t}}$.