MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Undesign	nated	Fc	rmation_	Dako	ta		_County	San	Juan	
Init	ial <u> </u>	Anı	nual		Spec	ial		_Date of	Test	1/29/60	
Comp	any South	est Produ	tion Com	peny L	.ease	Holloway	Federal	Wel	l No	12	
Unit	. <u> </u>	ec. <u>18</u>	[wp	Rge	- 114	Purc	haser	l Paso Na	tural_G	is Co.	
Casi	ing W	t. 15.9#	I.D. 4.5	90 Set	at <u>650</u>	7 KB _Pe	erf6	324	To64	16	
Tubi	ing 2 3/8" W	t. 4.7#	I.D. 1.	Set	at 639	7 Pe	erf		To63	7	
Gas Pay: From 6324 To 6416 L 6367 xG 0.67 _GL 4.283.6 Bar.Press. 12.0 Producing Thru: Casing Tubing Type Well Bar.Press Single-Bradenhead-G. G. or G.O. Dual											
Date	e of Complet	ion:	19-60	Packer	Single-Bradenhead-G. G. or G.O. Dual Ker Reservoir Temp						
	•					ED DATA					
Test	ted Through	(Property)	(Choke)	(Market)				Type Tap	s -		
			Data			Tubing	Data	Casing D	ata		
,,,	(Prover)	(Choke)	Press	Diff.	Temp.			Press.		Duration of Flow	
No.	(Line) Size	(Quities Size	psig	h _w	°F.	psig	° _F .	psig	[⊃] F•	Hr.	
SI l.		3/4"	250		79	2060 250	79	2060 740		7 · · · · · · · · · · · · · · · · · · ·	
2.							ļ				
3. 4.											
5.					- -			<u> </u>	1		
FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of								Rate of Flow			
No.	(24-Hour) √ h _w		h.pe			tor	Factor Factor				
1.	12.3650	- / V	- Wr I	262	0.982		0.9463	1.02		3,086	
1. 2. 3.											
4. 5.											
Grav	Liquid Hydro ity of Liqui	d Hydroca		PRI	cf/bbldeg.		Speci Speci		ity Flow		
No.	$P_{\mathbf{W}}$	P _t ²	$F_{\mathbf{c}}^{\mathbf{Q}}$	$(F_cQ)^2$	(1	F _c Q) ² l-e ^{-s})	P _w 2	$P_c^2 - P_w^2$		Pw Pc	
1.	Pt (psia)				(:	l-e-s)		Arrow 4	F	<u> </u>	
2. 3.							- 565.5	3727-6		*131	
4. 5.											
Abs COM ADD AGE WIT	RESS 16	innet Pro 2 Petroles George ch Michel	nduction m. Genter Le Hoffs	Bldg.,	Farming betien	; n7			(Wil	Ta N	
		bols ser		·	2 3043				ALCO	TVED)	

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 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw- 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.
- hw Differential meter pressure, inches water.
- $F_g \square$ Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I 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_{+} .

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