MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

ool	OINTON TRU			_Formation	FI	ADE ABITU		_county	MIO AL	LTOW
nitial_		<u> </u>	Annual		Spec	ial		_Date of	Test1	-27-57
company_	Magno	lia Pet	roleum C	0	Lease	Cheney	-Federal	Wel	1 No	1
nit <u>l</u>	M _S	ec 8 _	Twp	26N Rg	e. 2 W	Purcl	naser			
asing_	,							то 6000	(10 sets)	
ubing_	2* W	t. 4.71		1.995 Se	t at	991 Per	rf		To	
as Pay:	From_	54971	то 6000	L 54	991 x	9.68(Est	<u>.) -</u> GL3	739	Bar.Pre	ss. 12 psia
roducin	ng Thru:	Casi	ng	Tu	bing I		Туре We	11 6.0	. Dual	
										.0. Dual
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		4-		N 7 1 N		DD DAIR		m	_	
Tested Through (Choke) (Meter)							Type Taps			
1 /:			ow Data	- D: 00	M	Tubing		Casing D	ata Temp.	Duration
	(Line)	(Chok	e) Pre	ss. Diff.	_		Temp.		1	of Flow
	Size	Siz	e ps	ig h _w	°F.		°F.	psig	°F∙	Hr.
I	2#	0.256) 5k2		78	1.716 543	78	**		3 Hours
•	2*	0.750	7 282		70	74.5	70) nou s
•		1							 	
		 -							 	
					FLOW CAL	CULATION	5			
	Coefficient Pressure Flow Temp. Gravity Compre									Rate of Flow
0.	(24-Hour)		h _w p _f psia		Factor Ft		Factor Factor Factor F _{pv}		@ 15.025 psia	
. 1	12.3650			555			0.9393	1.057 6.700		6,700
. 1										
•										
	id Hydro of Liqui 102		carbons	PR s) 0.238	cf/bbl.deg.		Speci Speci		ty_Flow	arator Gas wing Fluid .986
	NGPC (A	\∜ॅ`P { *	FcQ	17(P_Q) ²	(F	(cQ) ² (-e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	al. Pw Pw Pc
1 6	55	308.0	63.04	3,974	9116		1,251	1,732	1,11	9
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bsolut	e Pocent	cial: 1	0,090	Company	MCFPD;	n 0.75				PENA
COMPANY Magnolia Petroleum Company ADDRESS P.O. Box 2006 - Hobbs, New Mexico									/RI	LIVEDY
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VITNESS COMPANY					<u></u>	· · · · · · · · · · · · · · · · · · ·			i E	
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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
- $P_{\rm w}$ 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- F_g Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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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