Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Pool Undesignated				ormation	Pictu	red Cli	ffs	County Rio Arriba			
Initial Annual				al	Special				_Date of	Test	6/1/59	
Compa	any Magno	lia Po	trole	ma Co.		Lease	E. J.	looten	Wel	l No	1	
Unit	"D "	Sec	L2 Tw	p. 24	Rg_Rg	e. 1W	Pur	chaser	iot Connec	ted		
Casir	ng 42" W	t. 9.	<u>5#</u> _1	.D. 4.0)90" Se	t at2	630' P	erf. 251	.5	To	25601	
Tubir	ng 13" W	t	2 .9# I	.D. <u>1</u> .	610" Se	t at	2562' P	erf		To	4-4	
Gas F	ay: From_	251	5_To	25601	_L_25	38 x	G 0.68	D =GL	1726	Bar.Pre	ss. 12 ps	11_
Produ	cing Thru:	Ca	sing	<u> </u>	Tu	bing		Type We	ell 81 1	gle	3 O Pool	
Date	of Complet	ion:_	5/11/	/59	Packe	r None	51	ngre-Brade Reserve	oir Temp	J. OF (- Dual	
						OBSERV	ED DATA					
Teste	d Through	(P.	<u>((</u>	Choke)	(Martine	•			Type Tap	s		
			Flow Da		ata			g Data	Casing D	ata	_	
No.	(Line)	(~~~)		1	J]				Durati of Fl	
	Size	S:	ize	psig	h _w	°F.			psig		Hr.	
SI l.	2*	7	.750	112	-	57	529 125	4-4	532 112	57	3 Hour	**
2 . 3 .								ļ				
4.								<u> </u>				
5.					<u> </u>	L	L		L		1	
			 			FLOW CAL						
No.	Coeffici		i		4	_		-	1	I	Rate of Flo	
	(24-Hou	ır) $\sqrt{h_{W}}$		psia		$\mathtt{F_t}$		Fg_	Fpv		@ 15.025 psia	
1. 2.	12.365			- -	124	1,002	9	0.939	3 1.01		1463	
3.												
4. 5.						 -						
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										_		
as Li ravit	quid Hydro y of Liqui	carbor d Hvdi	n Ratio rocarbo	ons -		cf/bbl. deg.					rator Gas ving Fluid	
		-		L - e ⁻⁸)	-				544			
									·			
No.	Pw	P	F	ا م	$(F_cQ)^2$	(F	(-0)2	P_w^2	$P_c^2 - P_w^2$	Ca	l. Pw	
:	🗽 (psia)	- τ	, ,	, ,	(-64)	(1	cQ) ² -e ^{-s})			F	P _w P _c	
1. 2.	137						-	13.769	277.167			
3. 4.												
4. 5.			+									
	ute Potent	ial:	154	7		MCFPD:	n(.85		- 		
COMPA	NY Magne	lia P	etrole	on Com					——			
ADDRE AGENT	SS P. C. and TITLE	Box	2106.	Hobbs.	Nev Mar	rico	C V	Mass lev	Gas Engi			
WITNE	SSED							· wastray	- mas me.			
COMPA	NY					REM	ARKS	AFFE	H			
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			,		JUN 9 1959							
								OIL CON	•			
		DIST. 3										
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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_w) . MCF/da. @ 15.025 psia and 60° F.
- P_c= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI 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.
- $h_{\mbox{W}}^{-}$ 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 $P_{\mathbf{t}}$.

OIL CONCERN	ATION COMMISSION							
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