MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poo	l Do s in				ormation Takota				County on Juan				
Initial XXX Annual_						Special_				Test	4-12-6	52	
Company H. 3. Rudman					Lease Goderal				Well No. 21-1				
Unit 0 Sec. 21 Twp. 25-11 Rge. 9-W Purchaser 1 aso latural cas Co.													
Casing 4-1/2 Wt. 10.5 I.D. Set at 6570 Perf. 6366 To 6378													
Tub	ing 2" W	t!	<u>i.7</u> I	.D	Se	Set at 6350 Perf			To				
Gas Pay: From 6358 To 6380 L 6369 xG 0.70 -GL 1458 Bar.Press. 12 psi													
Pro	Producing Thru: Casing Tubing XXX Type Well Single Gas Single-Bradenhead-G. G. or G.O. Dual												
Dat	Date of Completion: 4-1-62 Packer 1908 Reservoir Temp. 150° F												
OBSERVED DATA													
Tes	ted Through	(PE-84	123 ! ((Choke	MARIE STATE	Matera!				Type Taps			
		F	low Da	ata		Tubing Data				Casing Data			
No.	(Prover) (Line)	(Cho	ke)	Press		Temp.	Press	. Temp.	Press.	Тетр.	1	oration of Flow	
	Size	Size		psig	s h _w	°F.		o _F .		°F∙		Hr.	
' <u>SI</u>		3/1	1	205	-	6 0	1932		1935 513	w	3 hrs		
2.		- 7	<u>-</u>				C. Anada					1840	
3.													
4. 5.										-	+		
													
	0 - 001 -1					FLOW CAL					D.A.	A 223	
No.	! !				ressure	ressure Flow Temp. Grave			ty Compress. Rate of Flow or Factor Q-MCFPD				
	(24-Hour) 7		$\sqrt{h_{\mathbf{w}}}$	Pf	psia	F	t	Fg	F _{pv}		0 15.025 psia		
1.	12.365				21/	21/ 1.00		0.9258	1.027		2552		
2.													
3. 4.													
5.													
					PR	essure c	alcui at	TONS					
Gas]	Liquid Hydro	carbon	Ratio	0		cf/bbl.		Speci	fic Gravi	tv Sepa	arator	Gas	
Grav:	ity of Liqui		ocarb	ons		deg.		Speci	fiç Gravi	ty Flor	wing Fl		
$P_c = \frac{(1-e^{-8})}{(1-e^{-8})}$ $P_c = \frac{1947}{(1-e^{-8})}$ $P_c = \frac{1947}{(1-e^{-8})}$													
No.	Pw Pt (psia)		, _F	_c Q	$(F_cQ)^2$			P _w 2	$P_c^2 - P_w^2$	C	al.	P	
			, c		(1.64)	(i	_e-s)	* W~	-c -w		Pw	P _w P _c	
1. 2.								308.0	3482.8			285	
3.						_				-	- i -		
3. 4.													
5.									<u> </u>	<u> </u>			
	olute Potent PANY	ial:	27 19 man			MCFPD;	n0.	.75					
ADDRESS AGENT and WILE James F. Javanille Engineer (TEN)													
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	PANY GOI	BULALI	म्ह विद	ro eu	nginee				7	KIU	TAFF	7	
						REM	IARKS		- 1		0 1962	2	
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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 \equiv 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
- 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 méter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fnv 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_{+} .