MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Wilde	at		F	ormation		Bakot	<u>.</u>	_County	San Jua	a Cou	nty, H. M.	
Init				al	Special_				_Date of	Test	LO-6-	59	
Company Permiss Gil Company				Lease Kaight				Wel	1 No	1			
Unit	S	ec	5 Tw	o	Rge. 13 Purchaser_				Faknowa				
				990 Set at 6,298 Perf							32		
Tubing 2-3/8 Wt. 4.7 I.D. 1.950 Set at 6,035 Perf. 6,005 To 6,035													
	Gas Pay: From 6.034 To 6,232 L 6,005 xG .67 _GL 3963 Bar.Press. 12.0 Producing Thru: Casing Tubing X Type Well Single-Gas												
Producing Thru: Casing Tubing X Type Well Single-Ges Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 9-21-59 Packer Kees Reservoir Temp.													
Date	OI COMPLEC	1011		4-33			ÆD DATA		•				
							LED DAIR			_			
Test	ed Through	Pres		Choke)					Type Taps				
(Prover)		Flow D			J Diff.	Temp.		Z Data Temp.	Casing I	Temp.	Duration		
No.	(Line)	1/051	(ac i	1	1 1	_	l	°F.	psig	1		of Flow Hr.	
SI	Size	Size		psig	II.W	<u>г•</u>	2007		2007		7 days		
1.		3/4		328		83	328		920		d	Lours	
2.								 		ļ	├		
3.		<u> </u>		 			 	+	 	+	 		
4. 5.		 		 	+		 						
		<u> </u>						NO.					
	Garage at an t				FLOW CALCULATIONS Pressure Flow Temp. Gr			NO Gravity	Compre	ess.	Rate	of Flow	
No.	Coefficient			'	ressure	Fa	ctor	Factor	Facto	r Q-MCFPD		CFPD	
	(24-Hour) √h			wp _f psia		Ft		F _g _	Fpv		@ 15.025 psia		
1.	12,365	Δ.			340	0.97	786	9.9463	1.03	2	4.017.8 10		
1. 2.											 		
3.													
3° 4° 5°													
					PR	ESSURE	CALCUI AT	IONS					
									: 0: - O	: A Com		ar Cae	
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gastravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid										Fluid			
Fravity of Liquid Hydrocarbons deg. Specific Grave Company (1-e ⁻⁸)								2007	P ²	40	28.0		
· C				•			_	-	932	_			
	P _w	Ι					2		2 2			_	
No.		P	$\frac{2}{t}$	r _c Q	$(F_cQ)^2$	(F_{cQ}^{Q}	P_{w}^2	$P_c^2 - P_w^2$	C	al.	₽ <u>₩</u> ₽ <mark>c</mark>	
_	Pt (psia)						1-6 0)	868.6	3159.4		<u> W</u>		
1. 2. 3. 4.			_ _										
3.									 		<u> </u>		
4.					<u> </u>								
5.		<u> </u>				меррг); n	0.75					
COM	olute Potent PANY		011 6	4,(
ADD	RESS 12	23 Pet	1	n tiffe	building		Idland,	Texas					
AGE	NT and TITL	E	_ A. 7	[, 315	er . m	TROOL							
	NESSEDPANY		900	Cian C	II Compa	ly							
OOM	· ^.''					RI	MARKS						

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
- 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.
- $F_g = Gravity$ 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 $P_{\mathbf{t}}$.