3 NMOCC 2 Anderson 1 File

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 12-1-55

Poo]	ol Besin - Dakota					Form	ation		Dakota	 	County	San Ju	1077		
Init	ial	I		_Annua	al			Spe	cial		Date of	Test	by 13	1962	
Comp	oany	Erroce	Ander	won	1,300		<u>(</u>	Lease_	Pode:	<u>el</u>	Wel	l No	1_		
Unit	Unit _ Sec20 Twp31W Rge12W Purchaser														
Casi	ing_4	1/2"W	t•10	-54_I	.D		Se	t at	6130	Perf	5184	To	6384		
Tubing 1 1/4 Wt. 2 4 I.D. 1.380 Set at 6370 Perf. 6376 To 6379															
Gas	Pay:	From_	6184	_то	6384		L		xG	5	·	Bar.Pr	ess	.650 Est.	
Prod	ducing	Thru:	Cas	sing			Tu	bi.ng		Type We	ell sing	<u> </u>	<u> </u>	hial	
Date	Producing Thru: Casing Tubing Type Well Single - Cas Single-Bradenhead-G. G. or G.O. Dual Date of Completion: New 5, 1962 Packer Reservoir Temp.														
								OBSEF	RVED DATA						
Tested Through (Choke) (Mener) Type Taps												s			
Flow Data										ig Data	Casing I		I		
No.			(Choke) (Orifice)		Pres	S.				i				Duration of Flow	
	-	Size S		ze ps		ig h _w		°F.	psi	o _F ,	psig	°F.		Hr.	
SI 1.									2011		2013				
2 . 3.	3		3/4	/4" 2		45					1577	770		3 hrs.	
4.						丰						1			
5.					l			L	J	i		1	<u> </u>		
									LCULATIO				Dad a	-6 77	
No.	Coefficient				·			Fa	low Temp. Gravity Factor Factor		Factor		Q-MCFPD		
	(24-Hou		r) $\sqrt{h_{Wl}}$		P _f	of psia		Fŧ		Fg	F _{pv}		● 15.025 psia		
1. 2.															
3. 4.	12.365					257		9096		9608	1.0	1.024		3093	
5.															
							PR	ESSURE	CALCUIA!	rions					
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas															
Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid														fluid	
P _c 2025 P _c 4,100,625															
	$P_{\mathbf{w}}$					Τ-									
No.			Pt	2 F	_c Q		(F _c Q) ²	2	$(\mathbf{F_{c}Q})^{2}$ $(1-e^{-s})$	P _w 2	$P_c^2 - P_w^2$		al. P _w	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$	
1.			 						(1-6 -)		<u> </u>		* W	- U	
2 . 3.	158	3				-				2524,921	1575.70	L		2.6001	
4.						-									
Absolute Potential: 6937 MCFPD; n 75 2.0189															
	PANY RESS	Berr	ce An	derson	and	Pen;	ed_01	LGo.		· · · · · · · · · · · · · · · · · · ·		arth	TTR		
AGE	NT and		Orig	inal sig	med	oy T	A. Q	ugah	ries ing Engl	2007		H	ALD	7	
	NESSED _. PANY								_				1 196		
- 011					-			R	EMARKS			WAY T	ON. C	OM.	
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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 T Actual rate of flow at end of flow period at W. H. working pressure (Pw). 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
- 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.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.