MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Under.	Caketa		_Formation	<u> </u>	ota		_County	(en	Juan	
Init	ialX	X	_Annual		Spec	ial		_Date of	Test	8-23-60	
Comp	any lalhi	Taylor	011 Corp	oration	Lease	Nuda	*	Wel	1 No	1	
Unit	HE/4	Sec. 10	Twp	31- 1 Rg	e. 11-	Purc	haser			-84 7214-82	
Casi	ng_5-1/2~	Wt. 17	/# I.D.	4.892 Se	t at 738	Pe	rf. 744	5-55	To 7196	-04	
				1,995 Se							
				5 L							
Data	of Comple	. vas	9_11_sn	Tu		Sin	gle-Brade	nhead-G.	G. or (G.O. Dual	
рате	or compre	tion:	0-13-09	Packe			Reserve	Tr. lemb.			
						ED DATA					
Test	ed Through	(Prov	er) (Chok	<u>(Meter)</u>	-			Туре Тар	s		
	(Prover)		low Data	ss. Diff.	Temp		Data Temp.	Casing D	ata Temp.	Duration	
No.	(Line) Size	(Orif	ice)		o _F .		o _F ,	psig	ļ	of Flow	
SI	2126	21	ze ps	sig h _w	F•	3220		2220		7 Cays	
1.		3,	4" 17	1	\$1.	371	62*	688		3 Poure	
3.		+							<u> </u>		
4. 5.									-		
	_ ****	·			FLOW CAL	CULATION	ıs				
	FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Factor Factor Q-MCFP										
No.	(24 - Ho	our)	$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$	psia	ractor F _t		Factor F _g	F _{pv}		@ 15.025 psia	
1.	12.365			243	0.0	795	0.9048	1.0	323	3382	
2. 3.											
<u>4.</u> 5.											
	·			ממ	ESSURE C	A CULATI	ONS				
		,						Oi - Oui	A C		
	iquid Hydr ty of Liqu		ocarbons	_	cf/bbl.deg.		Speci	fic Gravi	tv Flow	arator Gas wing Fluid	
c		-	(1-e	·s)		•	Pc	2292	_Pc	4,961,824	
	T)							·			
No.	P _₩	Pt ²	F _c Q	$(F_cQ)^2$	f (F	cQ) ² -e-s)	P_w^2	$P_c^2 - P_w^2$	l l	Pw Pc	
	Pt (psia))		_	(1	-e ^{-s})				P _w P _c	
2.									#==		
3. 4.											
5.											
	lute Poter	tial:		on carps	,	n0	.75				
COMP ADDR	ESS	P. (, Tares	live , Fa	nalnyton,	· #	zjæ)				
	T and TITI	E Wide		ry - Ulst.	inclined		16.				
				e Contract		<u> </u>					
			, mar. *		REM	ARKS		/11	TEN	_	
			•					(CE)	KKM	Andrew Comments	
				-				/allu	, 10k	1 0	

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 = Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}^{-}$ 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.
- hw Differential meter pressure, inches water.
- $F_g \square$ 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 $P_{\rm t}$.

STATE	OF NE Y A	EXICO	
OIL CONSU	VATION C	DAMISSI	QN
AZī.C	DISTRICT	OFFICE	
NUMBER OF COP E	S RECEIVED	2	
D	Sfill:	N	
SAN/A FE		7	1
FILE		/	
U \$.3.\$.			
LATO OFFICE	·		-
TRANS#ORTER	OIŁ GAS		
PRUKATION OFFICE			
GPERATOR			