Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Undesignat	ted bekot	≜ F	ormation	l	Dekote		_County	Sen J	loan .	
Init	ial	ArAr	nual		Spec	ial		_Date of	Te st	9-7-60	
Comp	any Delhi-	Daylor Oi	l Corpor	etion	Lease	ц	loke?	Wel	l No	2	
Unit Sec. 10 Twp. Rge. Purchaser											
Casing 5-1/2"Wt. 17/ I.D. 4.893 Set at 8680 Perf. 6412 To 6636											
Tubi	ng 🐉 W	t. 4.70	_I.D1	• 995 Se	t att	584 Pe	rf. Open	ended	То		
Gas Pay: From 6412 To 6338 L xG 0.704 -GL Bar.Press.											
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual											
Date of Completion: Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.											
OBSERVED DATA											
Tested Through (Prover) (Choke) (Meter) Type Taps											
	Flow Data			·		Tubing Data		Casing Data		I	
No.	(Prover) (Line)	(Choke) (Orifice	Press	. Diff.	ļ			Press.		of Flow	
	Size		psig	h _w	°F.	psig	°F.	psig	1	Hr.	
SI l.		3/4"	404	97		101	97*	3036 887		J Poste	
2 . 3											
4.											
FLOW CALCULATIONS											
	Coefficie	ent	P	Pressure Flow		Temp. Gravity					
No.	(24-Hour) $\sqrt{h_{w}p_{f}}$		h _w p _f	psia	F _t		F _g F _p		cor Q-MCFPD @ 15.025 psia		
1. 2.	12,565		418		G.9862		0.92	258 1.040		4783	
3.											
4. 5.											
				PR	ESSURE CA	ALCU ATI	ONS				
	iquid Hydro				cf/bbl.					arator Gas	
Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Pc 1265 Pc 426425											
-			_				V				
No.	$P_{\mathbf{w}}$	P _t .	F _c Q	$(F_cQ)^2$	(F	a) ²	P _w 2	$P_c^2 - P_w^2$	Ca	al. Pw	
	Pt (psia)	· t	- c ·		(i.	Q) ² -e ^{-s})	- w -	- C - W		Pw Pc	
$\frac{1}{2}$											
3. 4.									+		
5.	luta Deserte		5,601		MCFPD;		75	<u> </u>			
		S. Crass	c Oil Co	rporetio	MUTPU;						
	T and TITLE	J. f	Berry .	Dist. 0	hydrout (/ Y /	Sarry				
WITH COMP	F22FD	Page Sel		Company							
					REMA	ARKS	-	FIFTH			
			•					of [FI	/42\		

SEP 27 1960 OIL CON. COM. DIST. 3

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
- PwT 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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 $P_{\mathbf{t}}$.

