1-EPNG (Bill Parrish)

1-Dallas 1-File

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

Poo	Dool Basin Dakota			Formation Dakota				County San Juan			
Ini				Special				_Date of	Test	12/20/60	
Com	pany Sout!	nwest Prod	uction C	ompany	Lease	Edgar	Federal	We	ll No	#1	
Unit G Sec. 12 Twp. 27N Rge. 12W Purchaser El Paso Natural Gas Company											
Cas	ing 52" V	Vt. 15.5	_I.D4	•9 90 Se	et at 6	505 _{Pe}	rf62	299	To	6387	
Tub	ing 2 3/8 V	vt. 4.70	_I.D <u>1</u>	1.995 Set at 6361 F			rf	To 6361		6361	
Gas Pay: From 6299 To 6387 L 6361 xG .67 _GL 4261 Bar.Press. 12.0											
Producing Thru: Casing Tubing X Type Well Single-Gas											
Date of Completion: Packer Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.											
						ED DATA					
Test	ed Through	(Drawers)	(Choke)	e) (Mature)				Type Taps			
	(Prover)	Flow (Choke)	Data Press	Diff.	Town	Tubing		Casing D			
No.		(Orifice)		Temp.	Press.	•		Temp.	of Flow	
SI	Size	Size	psig	h _w	F.	psig	ъ.	psig 1604	[⊃] F•	Hr.	
1.		3/4 ^H	.88		64	88	64	308		7-Day 3-Hr.	
2.											
3. 4.		j							 		
4. 5.											
				,	FLOW CALC	TIT ATTONS	3				
	Coeffici	ent	Pr	essure			Gravity	Compre	ss.	Rate of Flow	
No.	1			Fa		tor Factor		Factor		Q-MCFPD	
1.		_ ' ' V	*** 1		Ft	,	Fg			@ 15.025 psia	
2.	12.3030			100	100 .996		2 .9463		1	1,178	
3.											
4. 5.											
				PRI	ESSURE CA	LCULATIO	NS				
as L	iquid Hydro	carbon Rat	io		cf/bbl.		Specif	ic Gravi	tv Sena	rator Gas	
ravity of Liquid Hydrocarbons				deg. Spec				ific Gravity Flowing Fluid			
(1-e ^{-s})								1616 P _C 2611			
							P _w ;	3 20	P _W 2	102	
No.	P _w	Pt ²	F _c Q	$(F_cQ)^2$	(Fc	Q) ² e-s)	P _w 2	$P_c^2 - P_w^2$	Ca	l. Pw Pc	
1.	Tt (psia)				(1-	€_3)	102	2509	P,	• Pc	
2.							102	2507	<u> </u>	•196	
1: 2: 3: 4: 5:											
5.									1		
	Lute Pocenti				MCFPD;	n .75					
COMPA ADDRI		thwest Pro	duction	Company							
	and TITLE	2 Petr. Ce George	L. Hoff	man. Pro	duction	New Mex Foreman	100				
WI::NESSED											
COMPANYREMARKS											
CARAMAA								TOP	122		
THE STATE OF THE PARTY OF THE P									IAID	1	
								- 2.0	3 1960	And the second s	
								Light 12	10 1000 10 CO	m.)	

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_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.
- hw Differential meter pressure, inches water.
- $F_g \subseteq Gravity$ correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n _ 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 $P_{\rm t}$.