Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo]	South 3	lanco	 	Fo	rmation	let	ered CH	ffs	County_	Rio A	rriba	
Init	ialX	- 	_Annual_			Spec	cial		_Date of S	[est	9/28/59	
Comp	any Astec	0:1 a.	d Gas De		y	Lease	Arizona.	/icarille	Well	L No	3	
Unit	, <u>D</u> s	Sec 25	Twp	25%	Rg	e. <u>1</u> 1	Purc	haser				
Casi	ng list W	/t	<u>5</u> _1.D.	់ស្	Se	t at 35	8 0 Pe	erf. 36h	3	ro 3	450	
Tubi	ng 2 W	it. <u>4.7</u>	I.D.	1,	<u>019</u> Se	t at	்.3 Pe	rf. 34	72	ro	352!;	
Gas	Pay: From_	State	То	3 52 is	L	>	œ	=GL	E	Bar.Pre	ess	
Prod	lucing Thru:	; Cas:	ing		Tu	bing	X Sin	Type We	11 Si cle	-≅&S G. or G	6.0. Dual	
Date	of Complet	ion:	9/28/59	<u> </u>	Packe	r	······································	Reservo	ir Temp			
						OBSERV	ED DATA					
Test	ed Through	(ppg)	(Cho	ke)	(Meder)				Type Taps	3		
Flow Data								Data	Casing Data		·	
	(Prover)	(Chol	ke) Pr	ess.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration	
No.	(Line) Size	Siz	ze p	sig	h _w	°F•	psi.g	o _F .	psig	[⊃] F•	of Flow Hr.	
SI		- 74-		5.0			730		900		7 days	
1. 2.		.75	5	25			Tog	65	300		3 hours	
3.					_		 					
4.		<u> </u>					 	+				
3. 1								 				
		 					 	<u></u>				
						FLOW CAL	CULATION	S				
	Coefficient Pressu				essure	Flow	Temp.	Gravity	Gravity Compress. Rate of Flow Factor Factor Q-MCFPD			
No.						Factor		Factor	Factor		Q-MCFPD	
	$(24-Hour)$ $\sqrt{h_W}$		$V^{h_{\mathbf{W}}p_{\mathbf{f}}}$	of psia		F	t	$^{ extsf{F}_{ extbf{g}}}$	Fpv		@ 15. 0 25 psia	
1.	12.3650			2.74		.9952		-9608	1.016 2.091		2-091	
2.												
3. 4. 5.												
4.												
5.	·										·	
as L	iquid Hydro	carbon	Ratio			ESSURE C	ALCULATI		fic Gravit	y Sepa	rator Gas	
ravi	ty of Liqui	d Hydro	carbons			deg.		Speci	fic Gravit	y_Flow	ring Fluid	
c			(1 - e	-s)			•	^Р с	912	. [₽] ĉ	331.7ld	
	 1									,		
No.	$P_{\mathbf{w}}$	$P_{\mathbf{t}}^2$	F _c Q		$(F_cQ)^2$	(F	(cQ) ² (-e-s)	P _w 2	$P_c^2 - P_w^2$	Ca	P _W P _C	
	Boo(psia)					(1	e ^{-s})			P	w Pc	
1. 2.	352			工				123,904	707,310	 		
2 •		·	 				 			 -		
2. i							— —			 	_ 	
3. 4. 5.				+	 -					 	- 	
								l		I		
Abso	lute Potent						n	15				
COMP.	ANI	stee C	1) ord	es C	00.00	Havioo K. BRYAN					 	
ADDR	CC4	<u>fox # 7</u>	DECEMBER	SIC.	O RA UAN	K PRVAN	tr					
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COMP												
O OPIP	U11.1					REM	ARKS					

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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 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.
- PcI 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.
- F_g : 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 $P_{\mathbf{t}}$.

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