MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

ol _	Blanco		Fo	rmation_	Mesaver	de		_County	K10 Arr	1.Dg
	X									
										7 13-19
										ipe Line Corp
	5* Wt									
	2 3/8" Wt									
										ss. 12 p sia
oduc	ing Thru:	Casing		Tur	onng,	Sin	gle-Brade	nhead-G.	G. or G	.O. Dual
te o	f Completi	ion: 8	-17-58	Packer	Tes		Reservo	ır Temp.	-	•
		-			OBSERV.	ED DATA				
sted	Through	(200710)	(Choke)	(MOLDE)				Type Tap	os	•
		Flow	Data				Data	Casing 1		
T	(Prover)	(Choke)	Press	. Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow
· •	(Line) Size	Size	🔰 psig	h _w	$\circ_{\mathtt{F}}.$	psig	°F.	psig	[⊃] F•	Hr.
	DIZE	2126	Porg	W		1565	 	•	-	
	2*	0.750	260	-	64	260	64	-	-	3 hrs.
							 			
1						 	 		+	
				+						
					FLOW CAL	CULATION	VS	Compa	066	Rate of Flow
	Coeffici	ent	P	ressure	FLOW Fac	Temp. Gravity ctor Factor		O Campu		Q-MCFPD
) -	(24-Hour) 7		h _w p _f psia		l F∔ l		F _a			@ 15.025 psi
1	2.365			272	0.9962		0.9393	1.0	30	3241
-										
; Lic	quid Hydro y of Liqui 9.402	carbon Ri	atio arbons (1-e ^{-s})	•	cf/bbl.deg.	•	Spec: Spec:	ific Grav ific Grav	rity_Flo	arator Gaswing Fluid 0.486.9
0.	Ĉij.	Pt2	F _c Q	(F _c Q) ²	2 (1	F _c Q) ² 1-e ^{-s})	P _w 2	$P_c^2 - P_v^2$	2 0	P _W P _C
	Pt (psia)			ļ			314.0	2172.9		P _w P _c
•	212	74.0	30.5	930.2	- 44	0.0		Add No. 2		
				ļ				+	- 	
		L	L			<u></u>				
	ute Potent	tial:	3575		MCFPD	; n	0.75			
DDDF	SS BAY	olia Pet	hha. New	Meccles		-				
CENT CENT	and TITL	E 21/	Plean	a m	man	Jr. G	as Engine	er		
1TNE	SSED		*						APT	A/1.\
OMPA			•		DE	MARKS			KLUL	VI.5
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									SEP 26	3 1958
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								/	DIST	

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.

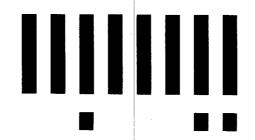
The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

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 600 F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- F_{pv}- 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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Job separation sheet

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NEW MEXICO OIL CONSERVATION COMMISSION GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

P∞l	Blanco		Formati	on Mesar	rerde	County_R1	Arribe	
Purchas	sing Pipeline P	cific North	west Pipe Line		Date Test	Filed_Jan]		
Operato	. Magnolia F	Patroless Co						
Unit	20	-	0/10	Jicarilla	· · · · · · · · · · · · · · · · · · ·	Well No		
	Sec.	1 v	p_ 26N Rge3	Pay Zor	ne: From <u>55</u>	58 * To	60481	
_			Set At 6175		OD 2 3/8"	WT. 4.7#	T. Perf. 60	341
Produce	d Through: Casi	ng ^ =	Tubing X	Gas Grav	ity: Measured_	0.690	Fetimated	_
Date of	Flow Test: From	11-29-58	To_12-7-58		. Measured		Latindled	
Meter Ru	ın Size 4.02	6#	Orifice Size	i		Sqr.Rt. T		
					- Type Chart.		ype Taps	Lang
Flouring				VED DATA				
Flowing to	asing pressure (Dw ibing pressure (Dw	rt)		501	psig + 12 =_		psia	(0
Flowing m	eter pressure (Dwt)		99	psig + 12 =	F3.	3 psiα	(E
Flowing m	eter pressure (mete	er reading when D	wt. measurement take	en:	psig + 12 = _	511	psia	(c
Normal	Chart reading			-	psig + 12 =_	-		
Square Meter error	root chart reading (c) - (d) or (d) - (c	(spring constant	0	=	511	psia	(d
	ss, Flowing column		* ±	-	=_	0	psia psi	(d (e
(b) - (c)	Flow through tubi	ng: (α) - (c) Flow	through casing			1 0	•	,,,
Seven day	average static mete	er pressure (from	meter chart):		= _	<u> </u>	psi	(f)
Notwal	chart average read	ing			psig + 12 =	-		
Correcte	root chart average : ed seven day avge.	reading () ² x sp. const	10	=======================================	505	psia psia	(g (a
$P_t = (h) + ($	f)	meter press. (pf)	(g) + (e)		=_	505		(g) (h)
Wellhead o	using shut-in press	ure (Dwt)		. h	=	507	psia	(1)
Wellhead tu	bing shut-in pressu	are (Dwt)		13	psig + 12 =_ psig + 12 =_	1125	psia	(j)
'c = ()) or Flowing Te	(k) whichever well mp. (Meter Run)	flowed through	(n			1125	psia	(k)
P _d = ½ P _c :		-		ø	=	529	——psiα ——°Abs	(1) (m)
					= _	563	psia	(n)
		/	FLOW RATE CAL	CIII ATION				
	5 3 2	/	TANKE OAL	COLATION	/			
(integr		-x (V(c) 511 = V1	 	1	532	MCE	
(Integr	atea	\	\ 				MCF/	aa
			V(d) 511	 .				
			DELIVERABILITY	CALCULATI	ON			
	£20	Pc-Pd=		0.75	•75			
= Q	532	 - - - - - - - - - 	948,656 n	0.75 0	0.9600	511		
		P2-P2/= 1	,002,025				MCF/da	1.
	ı							
	MARY 125							
	MARY 125 532		psia	Company	agnolia Pet	rolaun Com	pany	
= <u>1</u> =	125 532 514		Mcf/day	By ZV	Illan	107110	pany	
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This test was accomplished in ascordance with Sec 3, Sub paragraph 1, Paragraph A, sub paragraph 1, Order R-333-C & D, and shall be considered an annual test.

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