## HOMEN'S MEXICO POIL CONSERVATION COMMISSION 1957 OCT 4 PM BACK FRESSURE TESTY FOR GAS WELLS

Form C-122 Revised 12-1-55

Poo	ol Monu	ument		For	utio	n Mo	Kee	C:	07 County	I.	·ea	
Inî	tial		_Annual_	<del></del>	<u>x _</u>	Spe	ecial_		Date of	Test	2-4/13-57	
Com	pany Amer	ada Petr	oleum Co	rporat	ion	Lease	Sta	te "F"	We	ell No	E	
Uni	t <u>N</u>	_Sec. <b>_36</b> _	Two	19 <b>-</b> S	R	ge <b>. 36-</b>	- <b>E</b> P11	rchaser P	ermion Ros	dn Din	line Company	
Cas	ing_5 <b>-1/2</b>	Wt <b>17.</b>	O# I.D.	4.892	× S	et at	99781	Panf	06211	m ripe	9890:	
Tub.	ing 2-3/8"	Wt. 4	~ 7# ⊤ ::	1 005			0701	reri.	7634.	To	98901	
C	ing_2-3/8"		1.00;	40777		et at	1)0.75	Perf. 1 3)0 763	1 7255 2	To		
Jas	ray: From	n_9834	_To989	0 ]	9	794	xG_2)0.	751_=GL_	2)7355	)//4/3 _Bar.Pre	ess. 13.2 ngle Completi	
Proc	ducing Thru	ı: Casi	ing		Tı	ubi.ng	x	<b>4)0.752</b> Type V	Well	.)7 <b>361</b> Sti	ngle Complets	
Date	e of Comple	etion:'	7-25-56	£	acke	er Packe	S:	ingle-Brac	lenhead-G.	G. or (	G.O. Dual	
			7	***************************************			9 /1/	<u>o</u> neser (	oir Temp.	<del></del>		
on	1 00						VED DATA	1				
lest	ed Through	10000	BOX DODOS	eck (Me	ter)	1			Type Ta	ps	Pipe	
	40	F1	Flow Data  Press. Diff			Tubing Dat						
lo.	(rine)	(Orifi	ce) l	ı		_	Press	. Temp.	Press.		ľ	
	Size	Siz	e ps	ig	h <sub>w</sub>	°F.	psig	°F.	psig	o <sub>F</sub> .	of Flo Hr.	
I •	<u>/</u>	2"	1 4	, ,			2553.3		<del>                                     </del>		72 SIP	
		2"		7.5 3 7.2 21		93 66	2405.8				24	
╌┼╴	4"	2"	488	4 32	0	59	2066.1			+	24	
-	411	2×	487	-7 50	.0	52	1893.3				21 <u>.</u> 24	
0.	Coeffic		h <sub>w</sub> p <sub>f</sub>	Pressure psia		FLOW CALCULATI Flow Temp. Factor Ft		Gravity Factor	Gravity Compr Factor Fact		Q-MCFPD	
1	29.92		40.64	500.7		0.9697		F <sub>g</sub>	Fpv		9 15.025 psia	
+-	29.92 29.92		04.71	500.5		0.9943 1.0010		0.9393	1.05			
•	29.92		26.69 58.26		501.6 500.9			0.9393	1.07	18	3820	
Щ.						1.007		0.9393	1.07	5	4872	
· v ± 0,	quid Fydro y of Liqui	carbon R d Hydroc	atio 1	29,780 34,281	6 PRE	cf/bbl.		Speci Speci	fic Gravit	y Separ Ly Flowi P2 <b>6,5</b>	rator Gas 0.0 ng Fluid #	
I	Pw Pt (psia)	Pt <sup>2</sup>	F <sub>c</sub> ⊋	$(F_cQ)^2$		(F <sub>0</sub>	Q) <sup>2</sup> -e-s)	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal	- w	
	2419.0	5852 4810	11.10	123			9	5901	685	2429	0.9466	
2	079.3	3 4323 37.96 1441			384 579		51.94	1392	2279	0.8882		
1	1906.5 3634		48.41		<u> </u>		33	4902 45 <b>6</b> 7	16 <b>84</b> 2019	2214	0.8628	
	te Pora-è			İ						2137	0.8328	
MPAN			5,892			MCFPD;	n = 1.0					
DRES	SS	Dra	rada Pet wer D. M	onumen	Cor L. N.	poration						
ENT L'NES	and TITLE	O.C	McBryd	• - Di	stri	ct Engir	leer	LIM	1 China C	(0)		
MPAN								<del></del>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<del></del>	<del></del>	

\* 0.751 0.763 0.751 0.752

REMARKS

## 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

- 2 = 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.
- Pc= 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.
- hwI Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{pv}$  Supercompressability factor.
- n \_ 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  $P_{\mathbf{t}}$ .