## HOBBS OFFICE OCC

Form C-122

	4.		M	ULTI	-POINT E	ACK PRE	SSURE TES	ST FOR GA	S WELLS		Revised 12-1-	
Pool	Bas	ent_	<del></del>	F	ormation	<u> </u>	TOUR LE	- 11 W	County	Lea		
Initia	al <u>·</u>	<del></del>	_Annual			Spe	cial		Date of	Test	6-4-56	
Compa	ny Amera	da Peti	rolenn C	orpe	retion	Lease	State	.Gn	We]	ll No	1	
Unit	I	Sec1	Twp.	1	<b>9-8</b> Rg	e <b>37</b>	Purc	haser	Permian Be	ndin Pi	pe Line	
									10			
Tubing Wt.												
											ess. 13.2	
Produc	ing Thru:	: Cas	ing	¥V	Tu	bing		Type W	ell Cam	-47 100		
Date o	of Complet	tion:	71_6_8	2	Packe	~ <b></b>	Sin	gle-Brade	ell <u>Gar</u> enhead-G. oir Temp.	G. or (	.O. Dual	
				<b>.</b>	racke			Reserve	ort lemb.			
Test od	Theresel	(5	e\ (0)		/se :		ED DATA					
	Through				(Meter)				Type Tap	s	Pipe	
<del>-   -</del>		(Cho	low Data ke)   Pr	ess.	Diff.	Temp.	Tubing Press.		Casing D		Duration	
0.	(Line) Size	(Orif	ice) ze r	sig	Diff.	o <sub>F</sub> .	psig				of Flow	
I				org.	W <sup>11</sup> W	Γ •	barg	F.	psig 1040.4	1	72 Hr.	
•		2-3/			7:5	72			971.8		24	
	# .	2-3/			4.7	69			917,2		24,	
		2-3/		<del></del>	21.6 33.4	70			871.2		24 /	
					- 22-7			<del> </del>	00/04		-	
		-				TOW CAT	CULATION	<u> </u>	<del></del>	<del> </del>		
	Coeffici	ent		Pr	essure	Flow		Gravity	Compress.		Rate of Flow	
0.	(24-Hou	r)  -	, h n	psia		Factor		Factor	Factor		Q-MCFPD	
-			√ h <sub>w</sub> p <sub>f</sub>			Ft		. Fg	Fpv		@ 15.025 psia	
	73.11		59.93 84.28		65.0	0.9887		9350			4255.63	
	N		102.74		73.2	0.9905			***		7295.47	
			128.41	T	0.0	0.99					6112.36	
s Liqu	uid Hydro	carbon	Ratio 1	Dave (		SSURE CA	ALCU ATI		fic Gravit	v Sena	rator Gas	
avity	of Liquid	d Hydro	carbons (1-e		•	deg.		Speci	fic'Gravit	y Flow	ing Fluid	
	×83		(1-6		153			Pc	053.6	Pc 11	10.1	
) • i	Pt (psia)		F <sub>c</sub> Q		$(F_cQ)^2$	(F <sub>0</sub>	Q) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal P	P <sub>w</sub>	
	5.0	970.2	3.4	_	13,4	2.6		772.3	137.8	989.1	89.10	
9	2:2	782.2	1 3:3		39,42	6:6		762.7	294	937.4	1 18.01	
82	4.0	673.1	7.5		62.25	9.5		682,6	427.3	859.2	74.51	
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	e Potenti		17200			MCFPD:	n 0.67					
MPANY DRESS					poratio			J				
	nd TITLE				Her Ker		W.25.	711	21			
TNESS	ED		-				- V-/ · · ·			<del></del>		
OMPANY	Dern	den Be	sin Pipe	Lin	e Compa	Y_						

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

- Q  $\equiv$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>W</sub>). MCF/da. @ 15.025 psia and 60° F.
- Pc 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
- 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F 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  $P_{\rm t}$ .