## HOBBS OFFICE OCC

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS
1957 FEB 11 AM 10:04

Revised 12-1-55

Initial	SecWt2	26 Twp.	apany	Lease	ial	McGrail	Date of	Test	6/9 thru 6/17
Company	SecWt2	26 Twp.	apany	Lease	State	McGrail			•
Unit 7.0 Casing 7.0 Cubing 2.875 Gas Pay: Fro	Sec Wt2	26 Twp	19-5				we	TT NO.	1
Casing 7.0 Cubing 2.875 Cas Pay: Fro	Wt	M A		Rge. 36	-E Pur	chaser_	Permian	Basin P	ipeline Compa
Cubing 2.875	Wt.	I.D.	6.336	Set at_ 3	825 Pe	erf.	*	To	
as Pav: Fro	—	6.5 I.D.	2.441	Set at 3	572.49 Pc	erf.	3668	то	3672
roducing Thr	om 3225	Tro 1	3685 T	3668	a . A 47	•			
	u: Cas	sing		Tubing			-11	_bar•Fre	/ 13,2
ate of Compl	etion•	7/22/54	Deal	2064	Sir	Type wo	enhead-G.	G. or G	.O. Dual
are of comp.			Paci	ker	1.46	Reserve	oir Temp.	**	.O. Dual
		•		and the second second	ED DATA				
ested Throug	h (Fre	CIRC	(Meter	<u>.)</u>			Type Tap		
7	F1 (PROPER) (Char		low Data		Tubing Data		Casing Data		
(Line)	(C)	ice) Pro	ess. Diff	Temp.	Press.	Temp.	Press.		Duration
Size	Si	ze ps	sig h <sub>w</sub>	o <sub>F</sub> .	psig	o <sub>F</sub> .	psig	1	of Flow Hr.
4"	2.00				889.3	82	Packer	<u> </u>	<del>/</del>
477	2.00		51.1 2.1 59.7 11.4		813.3	92	鲜	/	24 hr.
4"	2.00		53.6 16.2		702.5 640.5	79 82	H		24 hr.
4"	2,00		60.2 19.4		<del>384.1</del>	83	**		23-3/4 hr. 24 hr.
Coefficient (24-Hour) 29.92 29.92		$\sqrt{h_{\rm w}p_{\rm f}}$ psis 34.07 464. 73.42 472. 86.96 466.		Fact F <sub>t</sub> 0.9706 0.9822 0.9795	ior	Factor Fg 0.9449 0.9449	Compress. Factor Fpv 1.041 1.045		Rate of Flow Q-MCFPD \$ 15.025 psia \$ 2133 \$ 2516
29.92 29.92 29.92 29.92	29.92		473.4	0.9786		0.9449	1.04		2773
Liquid Hydr vity of Liqu <b>5.866</b>	ocarbon id Hydro	Ratio(1-e <sup>-1</sup>	Dry Gas	RESSURE CAI	LCU'ATIO	Specif Specif	ic Gravit	y Separ y Flowi p2 C	ator Gas ng Fluid 814.5
P <sub>w</sub> Pt (psia)	Pt 683.1	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(1-€	;-s) [	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal P.	Po
715.7	512.2	5.708 12.512	32.58 156.55	3.08 24.42		88.2	126.3	829.6	91.92
653.7	427.3	14.759	217.83	33.98			277.9 353.2	732.5	81.16
597.3	336.8	16.266	264.58	41.27			416.4	679.2	75.26
olute Potent PANY	ial:	4,350		MCFPD: n	0.66	878B			
PANYRESS	us valo og 2107.	ATT COMP	lay Nexted					Ì	
INT and TITLE	<u> </u>	Incums C	, Webb. P	etroleum E	met====		91		
		AK, K. L	West				Chema	0.	afekt
'NESSED IPANY				eline Comp					-

7" O.B. casing perforated as follows: 3225-3245, 3265-3280, 3290-3310, 3400-3420, 3460-3485, & 3570-3685.

## 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 60° F.
- P<sub>c</sub>= 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{pv}$  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  $P_{\rm t}$ .