MEXICO OIL CONSERVATION COMMISSION E CEIVED

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DEC	1	8	195 9	Form	C-122
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	• 2		M	IT.TT_	POTNT I	BACK PRE	SSURE TE	ST FOR CA	S WELLS			lsed 12-1-5
Poo	ol West Her	anaw((T	
	Pool West Henshaw(Grayburg) ^F Initial X Annual											
	apany The I											
Cas	t <u>M</u>	Wt. 9.	5 I.D.	4.09	 0 Se	t at 292	25 P	erf.	2823 2872	to	2854 2894	
	01 Ding <u>2 3/8</u>	,										
	Pay: From											
Pro	ducing Thru	: Cas	ing		Tu	bing	X	Туре W	ell <u>Sin</u> e	le	_	
Dat	e of Complet	tion: 1	2-5-59		Packe	r <u>Non</u>	Sin 9	ngle-Brad Reserv	enhead-G. oir Temp.	G. or 90°F	G.O. (38	Dual t.)
						OBSERV	ED DATA					
Tes	ted Through	(Prove	er) (Eno	sed x <u>x</u>	(actex)				Туре Тај	ps		
<u> </u>	(Prover)		ce) Pre		Diff	Theme	Tubing		Casing			
No.	(XXXX)	(Orifi	Lce)			*	ſ	Temp.	Press.			Duration of Flow
SI	Size	···	te pr		h _w	°F.		° _F .	psig	°F.		Hr.
1.	2"			•5		<u>51</u> 51	665 275	+	640 315			<u>72</u> 24
2. 3.	2"	16/6	54 36	.0		53 54	170		225		- 	24
<u>3.</u>	2"	20/6	the second se	•5		<u>54</u> 58	110 75		190			24
4. 5.								1	160	<u></u>		24
r				-		and the second se	CULATION	and the second se				
No.	Coeffici 1/2" Or11	ent Mce	• ·	Pre	ssure	Flow Fac	4	Gravity Factor	Compre Facto			of Flow
	(24-Hou		h _w p _f	p	sia	Fac F		Fg	F _{pv}	<u>)</u>	-	CFPD •025 psia
1.	5.523			45	.7	1,008		0.9393	pv		230	
1. 2. 3.	5.523				.2	1.006	58	0.9393	-		25	7
$\frac{2}{1}$	5.523				-7	1.005		0.9393			26	
4. 5.				-51	•7	1.001	9	0.9393			_269	2
					PRE	SSURE CA	ALCULATI	ONS				
as I	iquid Hydro	carbon	RatioDr	r Ga	8	cf/bbl.		Speci	fic Gravi.	ty Sepa	arato	r Gas_ .680
ravı	ty of Liqui	d Hydro	carbons_ (1-e ⁻	s)		deg.				ty Flor	wing I	Fluid
	**************************************		(1 =0	<u>/</u>		<u> </u>		^г с _О	78.2	Pc 46(
No.	Pw	P_t^2	R O		(E 0)2		0)2		2 -2	1		_
	Pt (psia)	t	F _c Q		(F _c Q) ²	(1-	$\left[e^{-s}\right]^{2}$	P _w 2	$P_c^2 - P_w^2$		al.	Pw Pc
1. 2.	328 2 238 2			_				107.7 56.7	352.4			
3.	203.2							41.3	418.8			
+• 5•	173.2							30.0	430.1	+		
	lute Porent:	ial.	290			MCEDD.	~ 0 0					
COMP		Contraction of the local division of the loc	Corport	atio	n	_MOFFD;	n_0.8	2				
ADDR	ESS 4409	West	17th. 1	Stre	et. L	ubbock,	Texas					
igen VITN	T and TITLE	Karts	18Mu	le	in	Carl F	B. Muel	ler, Sea	-Tres.			
		llips	Petrol	eum	Co.							
						REMA		- 4 1 •				
		Connec	tion e	xDec.	ted to	= conne o be ma	de by	at time	of test	•		

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_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
- P_f Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{py}: Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .