NEW MEXICO OIL CONSERVATION (ObreadSolCo

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								π.	Form C-122 Revised 12-1-55	
Pocl			L-POINT B							
							Dele of Test <u>9-21-56</u> Well No. 8			
nitS										
asing 5.5 W		_								
ubing 2.375 W										
as Pay: From_										
roducing Thru:	Casin	g	Tu	bing	<b>X</b> Sina	Type We	11 <b>Sto</b>	G. or G	•0. Dual	
ate of Complet	ion:	6-56	Packe	r		Reservo	oir Temp.			
				OBSERV	ED DATA					
ested Through	(P1-1-6-6		e) (Meter)				Type Tap	s <b>Pip</b>	)	
	Flo	w Data			Tubing	Data	Casing I	the second se		
(P <b>iese)</b> o. (Line)	(Orific		s. Diff.	_		Temp.	Press.		Duration of Flow	
Size	Size		g h <sub>w</sub>	°F.		• <sup>0</sup> F.	psig		Hr.	
	1.50		a 7.1	6	959.2 930.0		999.2 939.5		72 24	
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• <b>4</b>	1.50	675	.0 47.7	56	809.4		0,195		24	
		<u></u>		FLOW CAT	CULATION	5	**************************************		<u>+</u>	
Coeffici	ent		Pressure	Flow	Temp.	Gravity Factor	Compre		Rate of Flow Q-MCFPD	
0. (24-Hou	r) $\left   \right $	hwpf	psia	F	t	$F_{g}$	Fpy		@ 15.025 psia	
15.20		50.69	485.2					8	878 1190	
15.20	15.26 13 15.26 19		163.3 108.2	1.00		.7463	1.009		2321	
							CUS	- 3.115		
			PR	ESSURE C	ALCUATI	DNS		- 1.60%		
as Liquid Hydro	carbon R	atio		cf/bbl.	,	Speci			irator Gas	
as Liquid Hydro ravity of Liqui	d Hydroc	arbons(1-e <sup>-s</sup>	5)	deg.		Pc	972-4	$P_{c}^{2}$	ving Fluid	
P <sub>w</sub>	P <sup>2</sup>	FQ	(F <sub>c</sub> Q) <sup>2</sup>	( F	$(-\alpha)^2$	Pw2	$P_a^2 - P_w^2$	Ca	Al. Pw	
D. (psia)	- t	· c*	(- 64)	(1	$\left[\frac{c^{Q}}{c^{e^{-s}}}\right]^{2}$	-907.6	- 38-	I	Proventier	
720.2						- 861.6-	117.7			
. 094o2				<del>_</del>		799.6	246.0			
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JOIN 12(1	Ben 216	Corpore	tion -	FIG <b>F</b> PD ;	, II					
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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 = Actual rate of flow at end of flow period at W. H. working pressure ( $P_w$ ). MCF/da. @ 15.025 psia and 60° F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- P<sub>w</sub> 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<sub>f</sub> Meter pressure, psia.
- hw- Differential meter pressure, inches water.

 $F_g$ : Gravity correction factor.  $F_t$ : Flowing temperature correction factor.  $F_{pv}$ : Supercompressability factor.

n \_ Slope of back pressure curve.

Note:	If P <sub>w</sub> cannot be taken because of manner of completion or condition
	of well, then Pw must be calculated by adding the pressure drop due
	to friction within the flow string to P <sub>t</sub> .