NEW MEXICO OIL CONSERVATION COMMISSION HOBBS OFFICE OCC

Form C-122

Revised 12-1-55

MULTI-POINT	BACK	PM653URF	EST	FOR	CAS WELLS
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Poo	ol	<u>umont</u>	Mark Conference volume physical No. No. and a Miller Conference and a second	Formation	n <u>Q</u> ı	ueen		County_	Lea	
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	sing XXX 7.0									
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Do+	ducing Thr	u: Cası	.ng	1.1	ioi.ng	Sin	Type We gle-Brade	ell Bra enhead-G.	G. or (d .O. Dual
рас	e or Compt	etion: 4	[21]51	Packe	r	•	Reservo	oir Temp.		x.O. Dual
						ED DATA				
Tes	ted Through	n (XXXVE	K) (XXXX)	K (Meter)	-			Type Tap	s	Pipe
			ow Data			Tubing	Data	Casing D	ata	
NT.	(Prover) (Chok	e) Press	. Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration
No.	(Line) Size		kk) e psig	h _u ,	°F.	psig	o _F .	psig	o _F	of Flow Hr.
SI				 				958.7		72 hour SI
l.	2.00 x 4 2.00 x 4		479.3	4.6	90			832.8		24 hour
2.	2.00×4			12.5	54			749.9		24 hour
<u> </u>	2.00×4	1		18.8	75			710.2		24 hour
4° 5.	2.00×4	 	486.8	34.7	72			675.1	ļ	24 hour
No. 1. 2. 3. 4. 5.	Coeffic (24-Ho 29.92 29.92 29.92	our) 7	h _w p _f 47.60 78.79	ressure	Flow Factor F. 0.972	tor t 3 8	Gravity Factor Fg 0.9292 0.9292	1.0	39 54	Rate of Flow Q-MCFPD @ 15.025 psia 1337 2322
4.	29.92		1.70		0.985		0.9292		43	2762 3783
as I ravi	Liquid Hydr ty of Liqu no frict :	id Hydroc				ALCUIATIO	Speci: Speci:	fic Gravit fic Gravit 958.7	ty_Flow:	rator Gas_695 ing FluidNone
No.	P _w Pt (psia)		F _c Q	$(F_cQ)^2$	(F ₀	Q) ² -e-s)	P _w 2	$P_c^2 - P_w^2$	Ca:	Pw Pc
1. 2.	846.0	715.7					715.7	228.9		.87
3.	763.1 723.4	582.3 523.3	 				582.3 523.3	362.3 421.3	 	.79 .74
4. 5.	688.3	473.8					73.8	470.8	 	.71
5.									1	
COMP ADDR		Box 1	7589 Prichard 96, Midl		rp.	n_1.00	(Limite	ed)		
	TCCTN	3.0								
COMP	ANY	Pormi on	Basin P	ine Ii-	o Co					
				-pe LL	REMA	RKS				

Good point alignment, but resulting slope in excess of 1.00, therefore, a slope of 1.00 was drawn through the high rate of flow data point to calculate the potential. Well will be retested at a later date.

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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. 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.
- Fpv Supercompressability factor.
- n I 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 $P_{\rm t}$.