NEW MEXICO OIL CONSERVATION COMMISSION

OF ENGINEER

granga nagrane aco

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS 1998 COT G FM 2:18 Formation Telephoren Rivers-Rugen County Lea

POOT	J. J				rmacion	1 Eres	AAN IFT.	7.9 → *f1 & 6D			
Initi	al		_Annua	al <u>K</u>		·Spec	ial		Date of S	Te s t 7-7	to 7-14-56
ompa	ny Oulf	011 Co	porsi	ion		Lease 0	routt, H.	7. Hgn	Well	l No. 1	-
Init	0 5	Sec . 5	Twp	·2	S_Rg	e. <u>36ï</u>	Purc	haser Per	mian Basir	PL Co.	
asin	g <u>5.5</u> "V	/t <u>7</u> _	I.	D. L .	872 Se	t at 374	5 Pe:	rf. <u>3335</u>	, , , , , , , , , , , , , , , , , , ,	ro <u>3550</u>	
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									231		
1 0 u u	orne imiu.	, Qas.	2-3U-E		Do also		Sin	gle-Brade	ell <u>Sir</u> enhead-G. (pir Temp.	G. or G.O.	Dual
ate	of Complet	cion:			Packe:			Reservo	orr reumb• —		
						OBSERV	ED DATA				
este	d Through	Trav		ticsics)	(Meter)				Type Tap	s Pipe	
		F	low Da	ita			Tubing	Data	Casing Da	ata	·
_	(Time)	1 (O m i f :	i 0 0 1					i .	Press.		Duration of Flow
0.	(Line) Size	Si	ze	psig	h _w	°F.	psig	°F.	psig	[⊃] F.	Hr.
I		 							930.5		72
		2.0			14.3				827.6		24
•	<u> </u>	2.0	00	165.5		- 32			765.6 702.4		21 <u>.</u> 21 <u>.</u>
•		2.0	DO NA	162.5 167.1	33.8	9			656.3		- 21
<u>. </u>		2.01		401.00	48497						
0.	Coefficient (24-Hour)		√ h _w p _f 62.47 103.55		psia 175-6	Fac F •91	tor t 69	Factor F _g •9061	1.05	Q- @]	e of Flow MCFPD 5.025 psia
c •	27.72		124.38		75-7	•99		.946	1.051 30		3696 1312
	29.92		116.90		90.0	•99	52	.9 16.1	I OU	' ——	4344
avit	quid Hydro	ocarbon d Hydro	Ratio	ons -e ^{-s})		ESSURE C cf/bbl. deg.	ALCU ATI	Speci	ific Gravi	8 % ty Separat	or Gas
0.	P _w	Pt ²	'		$(F_cQ)^2$	1 1	cQ) ² -e-s)	P _w 2	$P_c^2 - P_w^2$	Cal.	Pw Pc
	062-0 719-0	720-3	30	Light	1949		Pols 1	612.6	180-3 280-1	782.7	99.3
•	715.6	500.1 512.1		599 597	31.35 bh.05		Gol t	518.5	374-5	720.0	76.1
•	669.5	2201		368	61.71		8.8	457.0	106.0	676.2	72.5
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bsol OMPA DDRE GENT		z 2167,	699 Corpe Bobbs	ration Fall	nuth	MCFPD;	n	0.70			
OMPA							··.				
TITLE.	11 A										

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 I Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- FgI Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} 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 $P_{\rm t}$.