NEW MEXICO OIL CONSERVATION COMMISSION
HUBBS OFFICE OCC Form C-122 MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS AM Revised 12-1-55

Po	Jalma	t .			Formatio	n Seve	a Rivers	or role di	Countre	Ai7 10 :	13	
In	InitialAnnual				Formation Seven Rivers Special XX			OK.	Date of Test 12-31-56/1-4-5			
Con	ompany Skelly Oil Company			y eny	Lease Toby				Well No1			
Uni	.t <u>N</u>	Sec	7 T	wp 24 8	R	ge. 37 1	Pur	chaser =	l Boon W		les Company	
Cas	ing 7 *	Wt		I.D	S	et at 👣	1551 Pe	erf.	L FARO N.			
Tub	ing 2	Wt	6.5#	I.D. 2	. s	et at. 34	361 Pa	nf				
Gas	Pay: Fro	om_ 3355	To	3400!	L 3	1355	VG 0 44	~~~		_10	ress. 13.2	
Pro	ducing Thr	ru: Ca	asing	X	ጥ ₋	uhing			2214	_Bar.P	ress. 13.2	
Dat	of Compl	etion:	<u></u>	38	Tubing Type Well G. O. Dual Single-Bradenhead-G. G. or G.O. Dual Packer 3440 Reservoir Temp.							
	-	•			t dCK	·		Reserv	oir Temp.			
Test	ed Throug	h (Broo		\ 	/x= 1		ED DATA					
	- Inioug								Type Taps			
\neg	Proves	1	Flow D	Proce	Daga			Data	Casing I	Data	J	
ю.	(Line)	(Ori	fice)	rress.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration	
- [Size	S	ize	psig	h _w	° _F .	psig	°F.		1 2	of Flow	
I				1	W"	Γ•	bara	ľ.	psig	[⊃] F•	Hr.	
		1.	000	120	32.49	83			453		72	
\Box	4		000	411	46.92	85			420	 	21	
-	4		000	406	53.29	88			112	 	24	
:-		1.	000	389	87.42	67			392 *	 	24	
) ·	Coeffic (24-Ho 6.135		r) \[\sqrt{h_wp_f} \]		essure psia	0.9786	or	Gravity Factor Fg	Compress. Factor Fpv 1.040		Rate of Flow Q-MCFPD @ 15.025 psia	
+	6.135		141.05			0.9768	0.	.9535	1.037		706 836	
+	6.135		149.42			0.9741	C	.9535	1.036		882	
			187.47			0.9933	0	.9535	1.039		1,131	
vit	quid Hydro y of Liqui 0.865	ocarbon id Hydr	ocarbo	ns -e ^{-s})		SSURE CA cf/bbl. deg.	LCU AT IO	Specif Specif	ic Gravit	y Sepa y Flow P ² 217	rator Gas_ ing Fluid	
	Pw Pt (psia)	Pt ²		- 1	(F _c Q) ²	(F _C (1-6	(2) ² (2-s)	P _w 2	$P_c^2 - P_w^2$	Ca:	Pw Pc	
╁	33.2	187.7	0.6		0.37	0.05	18	7.8	29.5		V 1 C	
	21.2	180.8	0.72		0.52	0.07	18	0.9	36.4			
	05.2	164.2	0.76		0.58 0.96	0.06		7.5	39.8 53.0			
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1PAN												
						REMAR	KS				- TITE	

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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 ($P_{\rm W}$). 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
- Pf Meter pressure, psia.
- $h_{\mathbf{w}}$ 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 $P_{\rm t}$.