NEW MEXICO OIL CONSERVATION COMMISSION

| 10 10 0 0 Form C-122 | GAS WELLS | Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Bel	lard		Fo	rmation_	Pletu	red Cliff	is 1804 <i>l</i>	County_	HELP W	Friba		
Initia				al	Special				Date of Test)-64	
	mpany Continental Oil Company												
Unit	0	Sec.	Twr	. 23	Rge	e. SW	Purch	aser	outhern Vi 2227*	tion Ge	s Com	peny	
Casin	-4 1/2°	Wt. 9	.5 # T.	D_4.09	o ⁿ Sei	t at 23	75° Per	rf.	2256	ro 2	262	_	
									one				
									59				
Producing Thru: Casing Tubing X Type Well Single Single-Bradenhead-G. G. or G.O. Dual												ual	
Date of Completion: 7-8-64 Packer Reservoir Temp. 88°F													
						OBSERV	ED DATA						
Teste	d Through	n (Prov	ver) 📮	CHARLES X	(BESEE)				Туре Тар	8			
			low Da				Tubing		Casing D	ata		D	
No	(Prover)) (Cho (Ori:	oke) fice)	Press.			Press.					Duration of Flow	
	Size		ize	psig	h _w				0	°F.		Hr.	
SI		2/2/		/30		6.7	465 A19	78 53	465 419	78 78	8I 54	6 hrs.	
	2 in.			419 337		64	337	64	371	78	T		
2 •	2 in.	5/16		274		64		64	327	78		hr	
	2 in.	3/8 [#]		215		66	215	66	270	78	1	br	
No.	Coefficient $(24-\text{Hour}) \sqrt{h_{\text{W}}p_{\text{f}}}$				FLOW CALCULA Pressure Flow Temp Factor			Gravity Factor	Factor		Q-MCFPD		
1.	.7851		V ''W	431		.9971		.9535	1,045		337		
2.	1,4030			349		.9962		.9535	1.036		481		
3.	2.1577			286		.9962 .9943		.9535	1.029		603 677		
4.	3,0691			227		3	.9535	1.022		477			
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio Dry Gas cf/bbl. Specific Gravity Separator Gas_ Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid_ Fc_Pr Measured (1-e^-5) Pc_477 Pc_227.5													
No.	P _w) P	t F	cQ	(F _c Q) ²	(F	(cQ) ² (-e ^{-s})	P _w 2	$P_c^2-P_w^2$		al. Pw	P _w P _c	
Ţ.	431							185.8	74.6			90.5 82.0	
2 . 3.	391 339							152.9 114.9	112.6			71.1	
4.	282		+-					79.5	145.0			59.2	
5.													
COMPA ADDRE		Contine	× 331	, Dura	ngo, Co	MCFPD; lorado Engloser		.56		A	ri UG	1964	
WITNE		R.	D. Ha	Ley, Di	strict	Meneger			13	Me.	CO.V	1	
COMPA	NY	Col	atinen	tal Oil	Compan		MARKS		· · · · · · · · · · · · · · · · · · ·		75%	3 / /	

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.

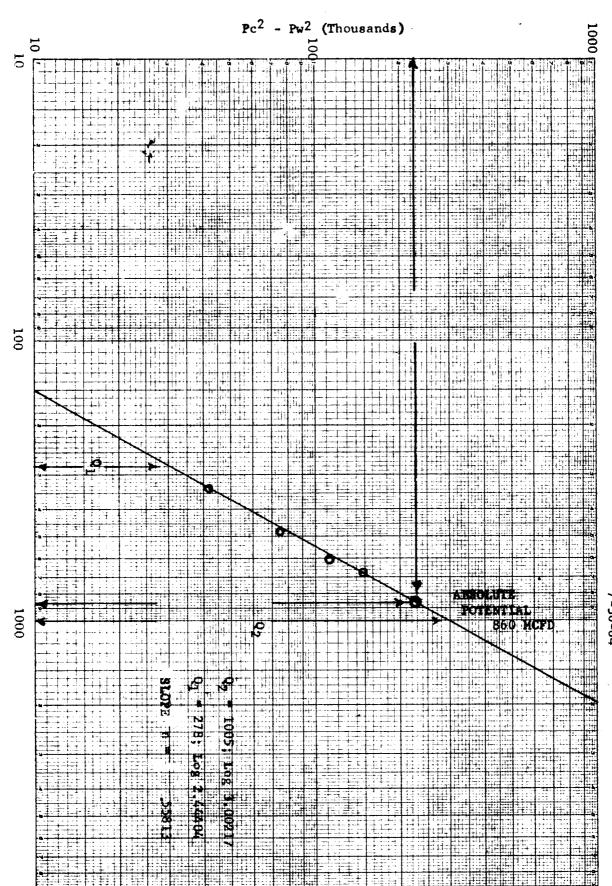
NOMENCLATURE

- 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
- PwI 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.
- F_t Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\mathbf{t}}$.



CONTINENTAL OIL COMPANY
AXI APACHE H #14
O - SEC. 6 - 23N - 5W
RIO ARRIBA COUNTY, NEW MEXICO
7-30-64



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