NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Blance-M	esa Verd	•	Formation	Mesa	Verde		_County	Rio	Arri	ba	
Init	ial X		Annual	Special				_Date of	Test	7-1	- 57	
Comp	any Magn	olia Pet	releum Ce	mpany	Lease	icarilla	»E»	Wel	1 No	3 1	HA	
Unit	<u> </u>	Sec <u>15</u>	Two. 2	71 Rg	e. <u>¥</u>	Purcl	haser_P	cific Nor	thwest		······································	
Casi	ng 53. V	/t. 11.#	I.D. <u>5.</u>	012 Set	t at 622	5' Per	rf 6655	<u>; </u>	то 61	77*		
Tubi	ng 2-3/8* V	/t. 4.7#	I.D. 1.	995 Set	t at 56 1	Per	rf		To			
Gas :	Pay: From_	66551	ro 6177'	L 56	41 x0	0.68		36	Bar.Pr	ess.	12 psia	
Prod	ucing Thru:	Casir	ng	Tul	bing I		Type We	11 G.G.	Dual			
Date	of Complet	ion:6	-13-57	Packer	r Yes	Sing	gle-Brade Reservo	nhead-G. ir Temp	G. or	G•0•	Dual	
					OBSERVE	ATAC C						
Test	ed Through	(Bross	Choke	e) (1900)				Type Taps				
———— ————			w Data			Tubing		Casing D		Ţ		
No.	(Line)	(Choke		Diff.	- 1				Temp.		Duration of Flow	
SI	Size	Size	psig	g h _w			°F.	psig	[⊃] F•		Hr.	
1.	2*	0.750	195	-	68	1767 195	68		-	<u> </u>	3 Heura	
2. 3.		 		+								
4. 5.		 								+		
		- L					·		 	-		
No.	Coeffici			ressure	Fact	emp. or	Gravity Factor	Compress. Factor		Q-MCFPD		
1	(24-Hour)		hwpf	psia . 207	.9924		F _g		F _{pv}		@ 15.025 psia	
2.			•	. 201			97373					
3. 4.												
5.												
ravit	.quid Hydro y of Liqui 9,402	carbon F d Hydroc	atio_ arbons(1-e ^{-s})		cf/bbl. deg.		Speci Speci	fic Gravi fic Gravi 1779	ty Flo	wing	Fluid 0.68	
No.	Pt (psia)	Pt ²	F _c Q	$(F_cQ)^2$	(Fc	Q) ² e-s)	P _w 2	$P_c^2 - P_w^2$	C	al.	Pw Pc	
1. 2.	207	42.85	22.90	524.4	127.	· 1	170.3	2994.5	112.	7		
3.									<u> </u>	<u></u> †		
4.												
COMPA ADDRE AGENT		nelia Pe 2406, R	25h1 troleum C			n 0.75	-/R	EEIVA 12 57	4			
COMPA		-=-					JOIL	CON. COM				
			······································		REMA	RKS		PIST 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 \equiv 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
- PwT 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.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If Pw 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 Pt.

OIL CONSERVATION COMMISSION

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