NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	ool _South Elanco						Formation Pictured Cliffs						County San Jum				
Initial Annual Special Date of Test													6, 1957				
Company Astec Cil & Gas Com							Lease Jernigan					Well No. 2					
Unit	0	s	Sec2	<u>l</u>	L. qwI	?7 -#	Rge	. <u>9</u> -	4	Purc	haser_	1 Par	so Natu	ral (as Co	mpany	
Casin	ıg 5 1	√2 ° v	/t	h#	_I.D.	************	Set	at_	2300	PePe	rf	1992		To	2050		
Tubin	1g_1*	V	/t <u>l.</u>	7#	I.D.		Set	at_	2078	Pe	rf	2057	 	To	2067		
Gas F	ay:	From	1992	To	205	<u> </u>	L		xG_					Bar.	Press.		
Produ	cing	Thru	: Ca	sing	X		Tut	oi.ng_			Туре	Well	Singl	<u> (</u>) as		
Date	of Co	mplet	cion:	June	30,	957	Packer	- Mor	•	Sin	gle-Bra Resei	denh voir	ead-G. Temp	G. 0:	r G.O.	Dual	
									SERVED								
Teste	d Thr	ough	(22	***)	(Cho	ce)		Shu	it-án '	7 days		T	ype Tap	s .			
					Data					Tubing			asing D				
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SI 1.			0.7	හ						16 17	60		71.6	60		3 hours	
2.																	
3. 4. 5.																	
5. 1			<u> </u>								L			1			
	Coe	ffici	ent	1		Pr	essure			LATION mp.		у	Compre	ss.		e of Flow	
No.	(24-Hou		ır)	$\sqrt{h_{w}p_{f}}$			- psia		Factor Ft		Factor $F_{\mathbf{g}}$		Factor F _{pv}			Q-MCFPD @ 15.025 psia	
1.	12.3690								1.000						5	533	
2. 3. 4.																	
4. 5.																	
							PRI	ESSUF	RE CAL	CULATI	ONS						
as Li	auid	Hvdro	carbo	n Rat	tio			cf/t	obl.		Spe	cifi	c Gravi	ty S	eparat	or Gas	
ravit c	y of	Liqui	ld Hyd	roca	rbons				leg.		Spe	cifi 741	c Gravi	ty F	lowing	Fluid	
c					_(1-0	<u> </u>					- c-						
Wa	$P_{\mathbf{w}}$			2		•	$(F_cQ)^2$	T	(F.O	12	n 2		$P_c^2 - P_w^2$		Cal.	D	
	Pt (p	sia)	1	t	F _c Q		(F _C Q)		(F _c Q (1-e	-s)	P _w 2		rc-rw		P _w	P _w P _c	
1. 2.											1849	57	2.715				
3. 4.						-						_		-	12	, War	
5.														1	1 1/1=	351 V 1557	
Absol COMPA			cial:_			001	PANT	MC	FPD; n	·	0.	85			OIL (CON. COM.	
ADDRE	SS_	ጥፐጥፒታ	P. O.	Box	786,	Par	dagton,	Man	Mend	90						DIST. 3	
WITNE	SSED_					E 117											
OUMLPA	.IN T								REMAR	KS		·					

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 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}$ 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.
- F_{DV} 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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