NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

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Initial Z Annual					Strasburg from page 1 - After debug 1	Spec	cial	حدي سري سايسه ه	_Date of	Test	July 24, 1958	
Company Astre C11 & Cas Company				Lease whitley			Well No. 2					
Uni	.t N	_Sec	9 _Tw	m8]-1 Rg	e. 9 -1	Pur	chaser	louthern U	nion Co	e Company	
Cas	ing 5 1/2"	Wt. 14	ı I	.D. <u>5</u> .	. 012 Se	t at 2 3	908 P	erf. 220	<u> </u>	To	2270	
Tub	ing 1°	Wt. 1.	7# _I	.D. 1	.049 Se	tat_2	34 P	erf.	212	То	2222	
Gas Pay: From 200 To 270 L 280 xG 0.65 -GL Bar.Press. Producing Thru: Casing T Tubing Type Well Single												
Single-Bradenhead-G. G. or G.O. Dual Date of Completion: July 17, 1958 Packer Reservoir Temp.												
Dat	e or compr	GOTOU:	July	11, 17,	racke.				orr lemb.			
							TED DATA					
Tes	ted Throug	h (Pr	(<u>Choke)</u>	(DOMESTIC)			p.	Type Tap	s		
	/ D		Flow D		12:02			g Data	Casing D	ata	Donat	
No.			oke) fice)	Press	Diff.	Temp.		Temp.		1 1	Duration of Flow	
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						FLOW CAL						
NT o	Coefficient Pres			essure			Gravity Compress. Rate of Flow Factor Factor Q-MCFPD					
No.				ne psia		Ft Factor		ractor F_			@ 15.025 psia	
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2.			<u> </u>			******		VIDAV	*****		4193	
<u>3.</u>												
4. 5.			 -									
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					PRI	ESSURE C	ALCUFAT.	IONS				
Gas I	Liquid Hydi	rocarbo	n Rati	Ω		cf/bbl.		Speci	fic Gravi	tv Sena	rator Gas	
	ity of Liqu		rocarb	ons		deg.		Speci	fic Gravit	ty Flow	ing Fluid	
c			(l - e ^{-s} ∑			•	P _c	631	_P _c	98.161	
$\neg \neg$	$P_{\mathbf{W}}$		2				.2		2 2	 		
No.	Pt (psia	P	t F	c _G	$(F_cQ)^2$	(F	$\frac{\left(cQ\right)^2}{-e^{-s}}$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	Cal		
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<u>4.</u> 5.		-				 -				/n:		
	olute Poter	ntiel•		1857		MCRDD -	n		7	" NLU	Life	
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AGENT and TITLE ORIGINAL SIGNED BY L. M. STEVENS - BIOTRICE DIST. 3												
COMPANY												
						REM	ARKS					

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 (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
- P_{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.
- Ft Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If P_W cannot be taken because of manner of completion or condition of well, then P_W must be calculated by adding the pressure drop due to friction within the flow string to P_t .

State Land Office

Cransporter

File