NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	<u> </u>	innamed	l		F	ormation	-	Picture	d Cliffs	County_	Rio Ar	riba		
Init	tial	<u> </u>		_Annu	21		S	pecial	···	Date of	Test_1	2-3-56		
Comp	pany_		Magn	olia P	etrole	con Co.	Lease	Jicar	Illa "D"	We]	l No	2		
Unit Sec. 11 Twp. 26N Rge. W Purchaser Pacific Northwest (Unconnected)														
Casi	ing_7	5/8= W	t2h	<u>#</u> I	.D 7.	025 Se	t at_	4,010	Perf3.6	721	То3	1.7361		
Tubi	Tubing 2. Wt. 1.74/21.D. 1.995 Set at 3.6731 Perf. To													
Gas	Pay:	From_	36721	_To	3736	1 L	3673	xG	68 (Est)GL_		Bar.Pr	ess. 12 paie		
Prod	Producing Thru: Casing Tubing Type Well G. G. Dual Single-Bradenhead-G. G. or G.O. Dual													
Date	Date of Completion: 11-19-56 Packer Reservoir Temp.													
							OBS	ERVED DAT	'A					
Tested Through (Choke) (Never) Type Taps														
	/ D				ata		Tion:		ng Data			Duration		
No.	(L	ine)	l(Orif	ice)	ļ	1 1			g °F.			of Flow		
SI		ize	51	ze ———	psig	h _w	T	ps1		1037	+	Hr.	\dashv	
1. 2.	21	11	0.75	0	380		63		0 63			3 Homes	\exists	
3. 4.													\exists	
5.											1			
								CALCULATI				2 73	 -	
No.	Coefficie (24-Hour		(r) $\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$			Pressure Flow Fa				Factor F _{pv}		Rate of Flow Q-MCFPD @ 15.025 psia		
1. 2.	12.3650				392		0-9971		0.9393	1.04	3	1,731,-8	7	
3。													\exists	
<u>4.</u> 5.													_	
PRESSURE CALCULATIONS as Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Fravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid 68 (2) c (1-e^{-5})														
No.	P _w	MOIF	SOUTH STATE	이 4 의 기	OTAY HIZ.	7(\$160X 2375A	्रा	$(F_cQ)^2$ $(1-e^{-s})$	P _w ² x (103)	$P_c^2 - P_w^2$		$\begin{array}{c c} \mathbf{al.} & \mathbf{P_{W}} \\ \mathbf{P_{W}} & \mathbf{P_{C}} \end{array}$		
1. 2.	7	5			* T	A reign			570.0	503.3				
3. [SIM:	10							_	
4. 5.		-		***		was complete and any species of								
COMP ADDF AGEN WITN	PANY_ RESS_ IT and RESSEI	TITLE	Hagn			3	erne C) <u>.</u> 85	RES	10 195	6	_	
COMI	PANY_	pergodine (medicale o		The contract of	A second	Control of the contro	त्याक् ड र	REMARKS			DIST. 3	J, VI		

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
- 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.
- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{nv} 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_{+} .

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