NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

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

Pool	ol Secta Dakota			Formation Debots			County San American				
Initi	ial	<u> </u>	Annual		Spe	cial		_Date of	Test 0	teher 24, 1961	
Compa	any	merless	Potrela	n Corp.	_Lease_	Galleges	Campus Us	We	ll No	109	
Unit		_Sec1	Twp.	98 F	ge	Purc	haser Fra	in These	Gge Co		
Casir	ıg 🕌	Wt. 1		4.052	et at	6160 Pe	rf. 69	B.	То 606	1	
Tubir	ng 2-3/1	Wt4	7 I.D.	1.995 S	et at	6050 Pe	rf. Op	m Raied	_To		
Gas Pay: From 6054 To 6068 L 6080 xG 0.700 est. GL 4215 Bar. Press. 12											
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual											
Date of Completion: Packer Reservoir Temp.											
	•					RVED DATA		: :			
Tested Through (Choke) (Choke) (Type Taps									DS	•	
Flow Data Tubing Data Casing Data										I I	
No.	(Line)	(Che	oke) Pre	ess. Diff	. Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow	
NO.	Size	S	ize pa	sig h _w	°F.	psig	o _F .	psig	°F.	Hr.	
SI 1.	7 4	34	35005 40	8	10°7 st	2075	60°V and	2370 511		1 America	
2.											
3. 4.											
5.					<u>.l</u>		<u></u>		_1	1	
	Cooffi	ai ont		Programs		LCULATION		Compr	000	Rate of Flow	
No.	Coefficient (24-Hour) $\sqrt{h_{w}p_{f}}$		Fa		Temp. Gravity		Factor		Q-MCFPD		
\leftarrow	(24-Hour) √ h _w		√ h _w p _f	psia	1,00		u, 9233	r _{pv} = 13.023 psta		0 15.025 psia	
1. 2.											
3. L					 						
4. 5.			İ								
				F	RESSURE	CALCUIATI	ONS				
Gas Li	iquid H y d	rocarbo	n Ratio		_ cf/bb]	L.				arator Gas	
Gravity of Liquid Hydrocarbons deg. (1-e-8)							Specific Gravity Flowing FluidPcPc				
c				4			- C				
T	$P_{\mathbf{W}}$		2 70	(P. 0)	2	(B 0)2	n o	P _c -P _w	· · ·	, P	
No.	Pt_(psia	P.	f F _c Q	(F _c Q)	,-	$(F_cQ)^2$ $(1-e^{-s})$	P w 2	Pc-Pw		Pw Pc	
1. 2.	- 503 -					()		1,61,4	9		
3.											
4. 5.								<u> </u>	_		
Absolute Potential: MCFPD; n 0.750											
ADDRESS SAME AND ADDRES											
AGENT and TITLE KIND OF THE PROPERTY OF THE PARTY OF THE											
WITNESSED COMPANY											
REMARKS NOV 6 1961											
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									1011	/	

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.
- 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.
- $h_{\mbox{\scriptsize W}}$ Differential meter pressure, inches water.
- F_{g} Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n _ Slope of back pressure curve.

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