NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Design			Fc	rmation	Pale	ota		_County_	San Ju			
Initial Annual				Special				_Date of	Test	3-15-65			
Comp	any rec	o Pieric	LEM.	COMP.		Lease State			We]	1 No	32		
Unit Sec. 36 Twp. 308 Rge. 11W Purchaser Il Paco Estural Cas Couseny													
	ng sl W	_											
Tubing 2/8 Wt. 1.7 I.D. 1.005 Set at 6703 Perf. To													
Gas Pay: From 6967 L xG GL Bar.Press.													
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 3-7-65 Packer Reservoir Temp.													
OBSERVED DATA													
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Tested Through (Choke) (Mark) Type Taps Tage													
	(D		ow Da		<u> </u>		Tubing		Casing I		.		
No.	(Prover) (Line)				DIII.	Temp.	Press.	Temp.	Press.	Temp.	Duratio of Flo		
100	Size	Siz	ie	psig	h _w	°F.	psig	o _F	psig	o _F .	Hr.) W	
SI		<u> </u>					2084		8006	 			
1.	_9 ^M	750		157			357	72.	1152	 	1 hour		
2.				307			307	73	10/1	1	2 hours		
3.				273			873	75	969		3 hours		
<u>4.</u> 5.													
No.	Coefficient (24-Hour) √ h _w i			Pressure		Flow '	tor	Gravity	cy Compress. Factor		Rate of Flow Q-MCFPD @ 15.025 psia		
1.	19.365		<u> </u>	285		.9868		.9608	1.027				
1. 2.			3504-00		3477.50		341.18	3397.98		3,397.98			
3。			33333		3-11-24								
4. 5.													
5.													
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratiocf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbonsdeg. Specific Gravity Flowing Fluid C(1-e^{-S}) P_C P_C 1.343.056													
No.	P _w	$P_{\mathbf{t}}^{2}$	Fc	Q	$(F_cQ)^2$	(F,	_Q) ² _e-s)	P _w 2	P _c -P _w ²	Ca	P _w		
1.							- + 5	75,961	3,404,09	447	440 / _	—	
1. 2.										ALLID			
3.						_				Nr.	130,3		
3. 4. 5.			-		 _					PAN	GO.		
	lute Porent	ial•	h was			MCPDD.	n 78	<u>.</u>	· · · · · · · · · · · · · · · · · · ·	JIL.	ON. S		
Absolute Potential: 4.079 MCFPD; n75 COMPANY ADDRESS AGENT and TITLE WITNESSED													
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	T and TITLE				:://e	11/1		Glan	O. Rhodes	, Plate	Poremen		
	ESSED_				<i>**</i>	-	- 1 C 1 1 2 2 1	فمط	Duning				
COMP									Petrole	a Corp.)		
						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 = Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_C= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- Pw 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 $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\mathbf{t}}$.