## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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Revis	ed		12	-1	<del>-</del> 55

Poo.	L Blar	100		_rormation	Mesave	rde		_county	M10 AFT	<u> 108                                   </u>		
Init	tial 🗶		Annual		SpecialDate o					Test <u>9/23/57</u>		
Company Magnelia Petroleum Company Lease Jicarilla "D" Well No. 3 . MV LT												
Unit Sec. 18 Twp. 26N Rge. 1W Purchaser Pacific Northwest Pipeline Co.												
Casing 1/2 Wt. 14 I.D.5.012 Set at 6180 Perf. 5566 To 6047												
Tubing 2 3/8 Wt. 1.7 I.D.1 005 Set at 5513 PerfTo												
Gas Pay: From 5566 To 6017 L 5513 xG 68 _GL 3769 Bar. Press 12 pets												
**												
Producing Thru: Casing Tubing Type Well Date G.G.  Single-Bradenhead-G. G. or G.O. Dual  Date of Completion: 8-30-57 Packer Reservoir Temp.												
2000	or compres			r dono		ED DATA				<del></del>		
Test	ed Through	(Prove	(Choke	e) (Moton)		ED DATA		Type Tap	s			
		Fl	ow Data	<del></del>		Tubing	Data	Casing D	ata	r <del></del>		
No.		(Chok		s. Diff.	Temp.	Press.	Temp.	Press.	Temp.		ation Flow	
140.	Size	Siz		ig h <sub>w</sub>	°F.	psig	°F.	psig	<sup>⊃</sup> F•	Hr		
SI						1236						
1. 2.	- 5#	3/4			_62	80	62		-	3 hours		
3.		1										
<u>4.</u> 5.		<del> </del>	<del> </del>				· 				<del></del>	
<u> </u>		L						<u> </u>				
<del></del>	Coeffici	ont 1		Pressure		CULATIONS		Company	- T	Pata of I	el ow	
No.	Coeffici	.enc		rressure	Fac			Facto	r			
	(24-Hou	r) 7	/ hwpf	psia	F	t	$_{F_{g}}$	Fpv		@ 15.025	psia	
1.	12.	3650		92	9980		.9393	-		1,067		
2. 3.										····		
4.												
5.	5.											
						ALCUIATIO						
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid												
Fc												
	$P_{\mathbf{w}}$	2				.,2		_2 2				
No.	Pt (psia)	$P_{\mathbf{t}}^{2}$	F <sub>c</sub> Q	$(F_cQ)^2$	(F	cQ) <sup>2</sup> -e-s)	$P_{w}^{2}$	$P_c^2 - P_w^2$	3	P <sub>V</sub>	d.	
1.	99	8.5	10.03	100.6	24.		32.6	1521.9	180	<u> </u>		
1. 2.										- 4-2 p		
3. 4.			<u> </u>						AL			
5.									KLL	UVED		
Absolute Potential: 1084 MCFPD; n 0.75 SFP 88 1957												
CONTACT Begnolis Petroleum Company												
AGENT and TITLE Wave W. Kery Gas Engineer CIST. 3												
	WITNESSED											
COME	PANY				555	M DWC			AND THE PARTY OF	Said of American		
					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  $\equiv$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>w</sub>). 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.
- $F_t$  Flowing temperature correction factor.
- $F_{pv}$  Supercompressability factor.
- n I 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  $P_{\rm t}$ .

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State Land Office	