

NEW MEXICO OIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

☐ Initial ☐ Annual ☐ Special				Test Date: <u>10-2-75</u>	
Well Name: <u>Cueh...</u>				Location:	
Well No.:				Unit:	
Completion Date: <u>7-79</u>		Total Depth: <u>7500</u>		Plug Hole: <u>7500</u>	
Perforations: From <u>7500</u> To <u>7500</u>		Perforations: From <u>7500</u> To <u>7500</u>		Form or Lease Name:	
Well Size: <u>7500</u>		Well Size: <u>7500</u>		Well No.: <u>812</u>	
Type Well: <u>Single - Bradenhead - G.G. or G.O. Multiple</u>		Packer Set At:		County:	
Producing Thru:		Reservoir Temp. °F:		Mean Annual Temp. °F:	
State: <u>New Mexico</u>		State: <u>New Mexico</u>		State: <u>New Mexico</u>	
L:		H:		Gg:	
% CO ₂ :		% N ₂ :		% H ₂ S:	
Prover:		Meter Run:		Tops:	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. in. H ₂ O	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1.										
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{P_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1.	<u>14.100</u>		<u>139</u>	<u>1.000</u>	<u>1.000</u>	<u>1.000</u>	<u>2252</u>
2.							<u>2252</u>
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/lb.
1.					A.P.L. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{1.499}{1.499 - 1.13} = 1.13$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \frac{1.13}{1.13 - 1.13} = 1.13$
1.	<u>1.499</u>	<u>1.13</u>	<u>1.13</u>	<u>0.369</u>		
2.						
3.						
4.						
5.						

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	AOI = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \frac{2.662}{2.662 - 2.662} = 2.662$
1.	<u>1.499</u>	<u>1.13</u>	<u>1.13</u>	<u>0.369</u>	
2.					
3.					
4.					
5.					

Absolute Open Flow: <u>2662</u> Mcfd @ 15.025		Angle of Slope: <u>0</u>	
Remarks:			
Approved By Commission:			
Conducted By:		Calculated By:	
Checked By:		Date:	