

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-67

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-1-78	
Company MESA PETROLEUM COMP.				Connection			
Pool Blanco				Formation Pictured Cliffs			
Completion Date 6-22-78		Total Depth 2443		Plug Back TD 2412		Elevation 5807	
Farm or Lease Name State							
Csg. Size 7 1/8		Wt. 9.2		Set At 2443		Perforations: From 2263 To 2314	
Well No. 44							
Tubg. Size 1 1/4		Wt. 1.7		Set At 2180		Perforations: From To	
Unit L		Sec. 32		Twp. 29		Rge. 8	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At	
Producing Thru Tubing						County San Juan	
Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g		State N.M.	
L		H		Gg		% CO ₂	
				% N ₂		% H ₂ S	
				Prover		Meter Run	
						Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
Si	2		3/4				922		922		81
1.	2		3/4				432		190		3 Hr.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		444	1.00	.9808	1.049	5,533
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. 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 _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{872,356}{831,552}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0416}{1.0491}$
1	872,356	202	40,804	831,552			
2							
3							
4							
5							

Absolute Open Flow 5,763 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .85	
Remarks:							

Approved By Commission:	Conducted By: Jack Dunning	Calculated By: N. E. Maxwell Jr. P.E.	Checked By:
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