

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 05/08/79				
Company AMERICAN PETROFINA OF TEXAS				Connection NONE					
Pool BLANCO MESA VERDE				Formation MESA VERDE				Unit	
Completion Date 04/23/79		Total Depth 6225		Plug Back TD 6186		Elevation 6807 GL		Farm or Lease Name TANK MOUNTAIN	
Csg. Size 4 1/2	Wt. 10.5	d 4.052	Set At 6220	Perforations: From 5657 To 6078		Well No. 1			
Tbg. Size 2 1/16	Wt. 3.25	d 1.751	Set At 5876	Perforations: From --- To ---		Unit Sec. Twp. Rge. 29 32N 9W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE					Packer Set At N/A		County SAN JUAN		
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g 12.2		State NEW MEXICO	
L	H	Gg 0.6	% 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.	
SI	2" x 6" x 3/4"						705		700	
1.							107	42	513	
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	11		119	1.018	1.291	1.013	1742
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1	.1773	502	1.4022	.975	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	

P _c 717	P _c ² 514089	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.156$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.78$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1	14161	525	275625	238464	
2					
3					
4					
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3099$

Absolute Open Flow 3099 Mcfd @ 15.025		Angle of Slope @ .75	
Remarks:			

Approved by Commission:	Conducted By: J. ALEXANDER	Calculated By: J. ALEXANDER	Checked By:
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