

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 9-7-78	
Company Caulkins Oil Company			Connection Mesa Verde		
Pool Blanco Mesa Verde			Formation Mesa Verde		Unit
Completion Date 8-31-78		Total Depth 6746	Plug Back TD 5490	Elevation 6505 Gr.	Farm or Lease Name Breech E
Csg. Size 7"	Wt. 23#	d 6.366	Set At 6746	Perforations: From 5034 To 5352	
Thq. Size 1 1/4"	Wt. 2.3	d 1.350	Set At 5102	Perforations: From 5102 To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Commingle Single Gas				Packer Set At	County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F P	Mean Annual Temp. °F		State New Mexico
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.	
SI		7 Day					1023		1198	
1.							45		524	3 hrs.
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							807
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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____
1						
2						
3						
4						
5						

F_c 1210 P_c² 1,464,100 AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.244$

Mesa Verde - 60% of 951 = 570 MCFPD

Absolute Open Flow	951	Mcf @ 15.025	Angle of Slope α	.75	Slope, n	1.178
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Remarks: _____

Approved by Commission:	Conducted by:	Calculated by:	Checked by:
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