

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 8-18-73						
Company Palmer Oil & Gas Company					Connection Northwest Pipeline						
Pool Blanco					Formation Mesaverde						
Completion Date 8-3-73			Total Depth 6170		Plug Back TD 6157		Elevation 7236 G.A.		Farm or Lease Name Apache JVA		
Csg. Size 4.500		Wt. 20.9		d 4.052		Set At 6171		Perforations: From 5545 To 6112			
Thq. Size 2.375		Wt. 4.7		d 1.395		Set At 5954		Perforations: From Open To Ended			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None					County Rio Arriba	
Producing Thru tubing			Reservoir Temp. °F 8		Mean Annual Temp. °F 12 (est)		Baro. Press. - P _a 12 (est)		State New Mexico		
L		H		Gg .850 (est)		% CO ₂		% N ₂		% H ₂ S	
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	
1.	2"	.750					102	60	444	50	5 hours
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		114	1.000	.9600	1.010	1560
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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	

$P_c = 600$ $P_c^{24/4, 721}$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.7794$					$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.34005$				
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²										
1.		450	207,936	256,705										
2.														
3.														
4.														
5.														

Absolute Open Flow <u>2100</u> Mcfd @ 15.025					Angle of Slope <u>0</u>					Slope, n <u>.45</u>				
Remarks: <u>Tubing and casing pressures are correct</u>														
Approved By Commission:					Conducted By: <u>Joe F. Elledge</u>					Calculated By: <u>Joe F. Elledge</u>				
										Checked By: <u>Bob Ballantyne</u>				