

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 8-31-78	
Company Palmer Oil & Gas Co.				Connection N.W.P.	
Pool Blanco				Formation Mesaverde	
Completion Date 8-24-78		Total Depth 6250		Plug Back TD 6246	
Elevation 		Farm or Lease Name Apache JVA		Unit 	
Crop. Size 4.500	Wt. 10.5	d 4.052	Set At 6247	Perforations: From 5758 To 6229	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6085	Perforations: From open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 	
Baro. Press. - P _a 12 psia (est.)		County Rio Arriba		State New Mexico	
L 	H 	G _q .650 (est.)	% 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	
1.	7 days						1541		1547		3 hrs.
2.	2 inch	.750		324			324	60°	826	60°	
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.3650		336	1.000	.9608	1.033	4124
2.							
3.							
4.							
5.							

NO.	P _i	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

P _c 1259	P _c ² 1,585,081	
NO.	P _w	P _w ²
1	838	702244
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.7954$$

$$AOI = Q \cdot \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6397$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{P_{sc}} = 1.5511$$

Absolute Open Flow 6397	Mcf @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: _____			

Approved by Commission	Conducted by Joe F. Elledge	Calculated by Joe F. Elledge	Checked by Mr. Don Roberts
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