

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

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 7-30-77			
Company Palmer Oil & Gas Co.			Connection Northwest Pipeline				
Pool Blanco			Formation Mesaverde		Unit		
Completion Date 7-23-77		Total Depth 6130		Plug Back TD 5965	Elevation 6553GL 6564K.B.		
Farm or Lease Name State			Well No. #1				
Choke 4.500	Wt. 20.0#	d 6.456	Set At 3653 6117	Perforations: From 5691-5761 To 5908-5969			
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 5812	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		Mean Annual Temp. °F		
Baro. Press. - P _a 12 psi - est.			State New Mexico				
L	H	Gg 0.650	% CO ₂	% N ₂	% H ₂ S		
Prover			Meter Run	Taps			
County San Juan			State				
FLOW DATA			TUBING DATA		CASING DATA		
NO.	Line Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 days				1119	1119	
1.	2" .750				316	600	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		323	1.000	.9508	1.033	4025
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 _____ XXXXXXXXXX		
3.					Specific Gravity Flowing Fluid _____ XXXXX		
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
5.					Critical Temperature _____ R _____ R		
NO.	P _c	P _w	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.7886$		
1	1131	751	564001	715160	(2) 5466		
2					AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 6225$		
3							
4							
5							
Absolute Open Flow 6225				Mcf/d @ 15.025	Angle of Slope θ _____		Slope 1.75
Remarks: Dry gas throughout test							
4.500, 10.5" liner set from 3405 to 6117							
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	
Joe F. Elledge		Joe F. Elledge		Joe F. Elledge		Mr. Don Roberts	

