

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 6-10-77	
Company Union Texas Petroleum				Connection El Paso			
Pool Blanco				Formation Mesaverde			
Completion Date 6-3-77		Total Depth 6020		Plug Back TD 5975		Elevation 6619-G.L.	
Farm or Lease Name Johnston Federal		Well No. 7-A		Perforations: 5411-5594		Unit F Sec. 7 Twp. 31N Rge. 9W	
Perforations: 4998-5359		Perforations: 5710-5967		From Open To Ended			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12 psia (est.)		State New Mexico	
L 2.375		H 4.7		Gg 1.995		Prover 5956	
				% CO ₂ .650est.		% N ₂	
				% H ₂ S		Meter Run	
						Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F		
1.	740			304	580	741	580	3 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		316	1.0019	.9608	1.031	3278
2.							
3.							
4.							
5.							

NO.	P _t	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.
5.					Critical Temperature _____ R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.959$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.8068$
1.	651	423801	143208			
2.						
3.						
4.						
5.						

Absolute Open Flow 10,885 Mcfd @ 15.025			Angle of Slope θ _____	Slope, n .75
Remarks: 4.500", 10.5" liner set from 5349 to 6020'.				

Approved By Commission:	Conducted By: Joe F. Elledge	Calculated By: Joe F. Elledge	Checked By: Mr. Don Wells
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