

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 12-2-79			
Company Union Texas Petroleum				Connection El Paso Natural Gas					
Pool Blanco				Formation Pictured Cliff				Unit	
Completion Date 11-24-79		Total Depth 3644		Plug Back TD 3517		Elevation 6599 G.L.		Farm or Lease Name Johnston Federal	
Crg. Size 5.500	Wt. 14# 15# 5#	d 5.012 4.950	Set At 3528	Perforations: From 3445 To 3510		Well No. 14			
Fig. Size 2.375	Wt. 4.7	d 1.995	Set At 3491	Perforations: From Open To Ended		Unit Sec. Twp. Rge. 7 31N 9W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .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.	
SI	8 days						647		656	
1.	2 inch .750			151			151	54°	422	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		163	1.0058	.9608	1.015	1977
2.							
3.							
4.							
5.							

NO.	P _t	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

P _c 668 P _c ² 446,224				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7304$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3151$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²			
1		434	188,356	257,868			
2							
3							
4							
5							

Absolute Open Flow 3151 Mcfd @ 15.025		Angle of Slope θ Slope, n = .85	
Remarks: Show of condensate and water throughout test.			

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