

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	
Coq. Size 5.500	Wt. 14# 15# 17#	d 5.012 4.950 4.892	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	G _g .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.	
Sl	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 _{sp}	Rate of Flow Q, Mhd
1	12.3650		163	1.0058	.9608	1.015	1977
2.							
3.							
4.							
5.							

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	Specific Gravity Separator Gas _____ XXXXXXXXXX	Specific Gravity Flowing Fluid _____ XXXXX	Critical Pressure _____ P.S.I.A.	Critical Temperature _____ R
1										
2.										
3.										
4.										
5.										

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.7304$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.59378$
1		434	188,356	257,868		
2						
3						
4						
5						

Absolute Open Flow 3151 Mhd @ 15.025 Angle of Slope 0 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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