

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

Form C-122
Revised 9-1-65

Type of Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-9-77			
Company Union Texas Petroleum				Connection El Paso Natural Gas Co.			
Field Blanco				Formation Mesaverde		Unit	
Completion Date 5-2-77		Total Depth 6030		Plug Back TD 5998		Elevation 6696	
Farm or Lease Name Johnston-Federal				Well No. 8-A			
Set At 7:000	Wt. 32#	d 4.052	Set At 6030'	Perforations: From 5380 To 5983			
Reg. Size 2.375	Wt. 4.7	d 1.995	Set At 5988	Perforations: From open To ended		Unit Sec. Twp. Rge. 0 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 @		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia est.	
						State New Mexico	
L	H	Gg .650est.	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line 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	
SI	7 days				652		664		
1.	2" 0.750				257	58°	587	58°	3 hrs.
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		269	1.0019	.9608	1.027	3288
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 _____ 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 676	P _c ² 456976	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.6547$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.1690$
NO.	P _t ²	P _w	P _w ²
1		599	358801
2			
3			
4			
5			

Absolute Open Flow 10,420 Mcfd @ 15.025		Angle of Slope 0.75
Remarks: 4 1/2" 10.5# liner set from 3469' to 6030'		
Approved By Commission:	Conducted By: Joe F. Elledge	Calculated By: Joe F. Elledge
		Checked By: Mr. Don Wells