

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form G-127
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11/14/84							
Company Union Texas Petroleum Corp.			Connection El Paso Natural Gas Company								
Pool Basin			Formation Dakota								
Completion Date 10/29/84		Total Depth 6280		Plug Back TD 6220							
				Elevation 5468 GR							
Csg. Size 4.500	Wt. 11.60	Id 4.000	Set At 6262	Perforations: From 5964 To 6176							
Thg. Size 2.375	Wt. 4.70	Id 1.995	Set At 6120	Perforations: Open Ended							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At NA							
Producing Thru Tubing		Reservoir Temp. °F 6		Moan Annual Temp. °F 12							
				Baro. Press. - P _a 12							
L 6106	H	Gg 0.650	% CO ₂	% N ₂	% H ₂ S						
				Prover							
				Meter Run							
				Taps							
FLOW DATA											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	2"		3/4"				1320		2033		7 days
1.							236	97°	672		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	12.3650		248	0.9662	0.9608	1.020	2903				
2.											
3.											
4.											
5.											
NO.	P _f	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. _____ P.S.I.A.						
5.					Critical Temperature _____ R _____ R						
P _c 2045 P _c ² 4,182,025											
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$					
1		684	467,856	3,714,169	1.1260	1.0930					
2											
3											
4											
5											
Absolute Open Flow 3173				Mcf @ 15.025		Angle of Slope θ _____					
						Slope, n 0.75					
Remarks: _____											
Approved By Commission		Conducted By: Floyd Woodward		Calculated By: Ken Roddy		Checked By:					