

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/25/82	
Company Mission Texas Petroleum Corp.			Connection El Paso Natural Gas Co.		
Pool Basin			Formation Dakota		
Completion Date 9/25/82		Total Depth 6570		Plug back TD 6545	
Elevation 5625		Farm & Lease Name Albright			
Cgs. Size 1.625 5.500	Wt. 26.40 15.50	d 6.969 4.950	Set At 5185 4870-6568	Perforations: From 6396 To 6515	
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 6411	Perforations: No Perforations From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 4468	
Producing Thru tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12	
Baro. Press. - P _a 12		County San Juan			
State New Mexico					
L 6400	H	G _g 0.700	% 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.		Temp. °F
SI	2"		3/4"				1436				14 DAYS
1.							117	64°			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 _{sp}	Rate of Flow Q, Mcfd
1	12.3650		129	0.9962	0.9238	1.014	1492
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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1448	P _c ² 2,096,704	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0352$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0262$
NO	P _t ²	P _w ²	P _c ² - P _w ²
1			71,346
2			2,025,358
3			
4			
5			

Absolute Open Flow 1531		Mcf @ 15.025	Angle of Slope @	Slope, n 0.75
Remarks:				
Approved by Division				
Conducted By: BRUCE VALENTIS		Calculated By: LEO GADDY		Checked By: