

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12/26/89			
Company Union Texas Petroleum Corp.				Connection Union Texas Petroleum Corp.					
Pool Otero				Formation Chacara				Unit	
Completion Date 12/14/89		Total Depth 3135		Plug Back TD 3101		Elevation 5595 GL		Farm or Lease Name Albright	
Caq. Size 2.875	Wt. 6.5	d 2.441	Set At 3135	Perforations: From 2945 To 3045		Well No. 19			
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit M		Sec. 23	Twp. 29N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single-Gas						Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _g 12		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
		0.680							

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"						1030		7 Days
1.									185	70°	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		197	0.9905	0.9393	1.021	2314
2.							
3.							
4.							
5.							

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DIST. 3

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator Gas _____ XXXXXXXXXX

Specific Gravity Flowing Fluid _____ XXXXXX

Critical Pressure _____ P.S.I.A. _____ P.S.I.A.

Critical Temperature _____ R _____ R

NO.	P _i ²	P _w ²	R _i ²	R _w ²	(1) $\frac{P_c^2}{R_i^2 - R_w^2} = 1.0606$	(2) $\left[\frac{R_i^2}{R_i^2 - R_w^2} \right]^n = 1.0450$
1		249	62,001	1,023,763		
2						
3						
4						
5						

AOFP = Q $\left[\frac{R_i^2}{R_i^2 - R_w^2} \right]^n = 2418$

Absolute Open Flow 2418 Mcfd @ 15.025

Angle of Slope @ _____		Slope, n <u>0.75</u>
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Remarks: Dry

Approved By Division	Conducted By: Bennie Brown	Calculated By: John C. Rector	Checked By:
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