

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12/27/89	
Company Union Texas Petroleum Corp.			Connection Sunterra Gas Gathering Co.		
Pool Otero			Formation Chacra		Unit
Completion Date 12/14/89		Total Depth 3026		Plug Back TD 2992	Elevation 5502 GL
Form or Lease Name Albright			Well No. 20		
Csg. Size 2.875	Wt. 6.5	d 2.441	Set At 3026	Perforations: From 2825 To 2929	
Tbg. Size	Wt.	d	Set At	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At	
Producing Thru Casing		Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _g 12		State New Mexico			
L	H	G _g 0.690	% 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 _{wp}	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	2"		3/4"								
1.									979		7 Days
2.									210	68°	3 Hours
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, Mscf
1	12.2650		222	0.9924	0.9325	1.025	2604
2.							
3.							
4.							
5.							

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DIST. 3

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

P _c 991	P _c 2982,081	(1) $\frac{P_c^2}{R_c^2 - R_w^2} = 1.0861$	(2) $\left[\frac{R_c^2}{R_c^2 - R_w^2} \right]^n = 1.0638$
NO	P _w	R _w	R _c
1	279	77,841	904,240
2			
3			
4			
5			

$AOF = Q \left[\frac{R_c^2}{R_c^2 - R_w^2} \right]^n = 2770$

Absolute Open Flow 2770	Mscf @ 15.025	Angle of Slope @ _____	Slope, n 0.75
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Remarks: Dry

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