

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10/18/82	
Company Union Texas Petroleum Corp.		Connection Union Texas Petroleum Corp.	
Pool Blanco		Formation Menverde	
Completion Date 10/1/82		Total Depth 6570	Plug Back TD 6545
Elevation 5625		Farm or Lease Name Allegre	
Cas. Size 7.025 5.500	Wt. 26.40 15.50	d 6.969 4.950	Set At 3195 4870-6568
Perforations: From 3951 To 4395		Well No. 7-E	
Thg. Size 2.375	Wt. 4.70	d 1.995	Set At 4153
Perforations: No perforations		Unit Sec. Twp. Rge. P 22 29N 10W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas		Packer Set At 4468	County San Juan
Producing Thru Tubing	Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _g 12
State New Mexico			
L 4142	H	Gg 0.650	% 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 1/2		3.644				1081		1080		7 DAYS
1.							205	67°	688		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		217	0.9933	0.9608	1.020	2612
2.							
3.							
4.							
5.							

NO.	P _t	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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	700	470,000	74,649	
2				
3				
4				
5				

P_c 1093 P_c² 1,194,649

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6954$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4857$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3881$

Absolute Open Flow	3881	Mcfd @ 15.025	Angle of Slope @	Slope, n	0.75
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Remarks: _____

Approved By Division	Conducted By: BROOKHOLM	Calculated By: KODDY	Checked By:
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