

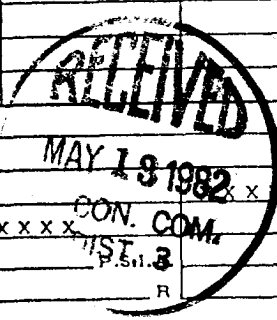
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-11-82	
Company Union Texas Petroleum Corp. El Paso Natural Gas Co.			Connection		
Pool Bloomfield			Formation Chacra		Unit
Completion Date 4-17-82		Total Depth 6630		Plug Back TD 6578	Elevation 5645 G.L.
Farm or Lease Name New Mexico "B" Com			Well No. 1E		
Seq. Size 5.500	Wt. 15.5	d 4.950	Set At 6630	Perforations: From 2969 To 2992	
Thq. Size 2.063	Wt. 3.25	d 1.751	Set At 2963	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas/Gas Dual				Packer Set At 3110'	
Producing Thru Tubing		Reservoir Temp. °F β	Mean Annual Temp. °F	Baro. Press. - P _g 12 psia est.	
County San Juan		State New Mexico			
L	H	G _g .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.	
1.	24 days						731		728	
1.	2 inch	.750	63				63	60°	276	3 hrs.
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		75	1.000	.9608	1.010	900
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	Deg.
2.					Specific Gravity Separator Gas <td></td>	
3.					Specific Gravity Flowing Fluid <td></td>	
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R



P _c 743 P _c ² 552049		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1768$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.12987$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	
1		288	82944	469105	
2					
3					
4					
5					

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1017$

Absolute Open Flow	1017	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.75
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Remarks: Mist of water last 2 hours of test.

Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Don Wells
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