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MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10/15/85		OIL CON. DIV. DIST. 3		
Company Union Texas Petroleum Corp.				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Pictured Cliffs			Unit		
Completion Date 10/4/85		Total Depth 3270		Plug Back TD 3230		Elevation		Farm or Lease Name Prichard Federal	
Csg. Size 2.875	Wt. 6.5	d 2.441	Set At 3245	Perforations: From 3004 To 3040			Well No. 4		
Tng. Size	Wt.	d	Set At	Perforations: From To			Unit K	Sec. 6	Twp. 29N
Type Well - Single - Brdenhead - 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 _a 12		State New Mexico	
L 2992	H	G _g 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"		3/4"						643		8 days
1.									126	60°	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 _{sp}	Rate of Flow Q, Mcfd
1	12.3650		138	1.000	0.9608	1.013	1661
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 _____ 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

P _c 655	P _c ² 429,025	
NO	P _r ²	P _w ²
1		138
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0465$

AOF = $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1797$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0394$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope _____ 0.85
Remarks: _____		

Approved By Division	Conducted By: Greg Dunn	Calculated By: John Rector	Checked By:
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