

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3/6/85	
Company Union Texas Petroleum Corp.				Connection El Paso Natural Gas Company	
Field Basin				Formation Dakota	
Completion Date 2/27/85		Total Depth 6570		Plug Back TD 6430	
Elevation 6057		Form or Lease Name C. J. Holder			
Csg. Size 4.000	Wt. 10.50	d 4.052	Set At 6570	Perforations: From 6302 To 6396	
Trg. Size 2.375	Wt. 4.70	d 1.995	Set At 6378	Perforations: Open-Ended From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At NA	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F 12	
Baro. Press. - P _a 12		State New Mexico			
L 6368	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"		3/4"				642		1855		7 days
1.							78	85°	611		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		90	0.9768	0.9608	1.000	1044
2.							
3.							
4.							
5.							

NO.	P _t	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 1867 P _c ² 3,485,689						
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1253$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0925$
1		623	388,129	3,097,560		
2						
3						
4						
5						

Absolute Open Flow 1141 Mcfd @ 15.025		Angle of Slope @ _____		Slope, n 0.75	
Remarks: _____					

Approved By Division	Conducted By: Floyd Woodward	Calculated By: Ken Roddy	Checked By:
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