

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	
Basin		Formation Dakota	
Completion Date 2/27/85		Total Depth 6570	Plug Back TD 6430
Elevation 6057		Farm or Lease Name C. J. Holder	
Csg. Size 4.125	Wt. 10.50	d 4.052	Set At 6570
Perforations: From 6302 To 6396		Well No. 17	
Tub. Size 2.375	Wt. 4.70	d 1.995	Set At 6378
Perforations: Open-Ended		Unit Sec. Twp. Rge. C 16 28N 13W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At NA	County San Juan
Producing Thru Tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a 12
State New Mexico			
L 6368	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. hw	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 F _g	Super Compress. Factor, F _{pv}	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 _t	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	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1253$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0925$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		623	388,129	3,097,560
2.				
3.				
4.				
5.				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1141$

Absolute Open Flow 1141 Mcfd @ 15.025

Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

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