

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☒ Initial ☐ Annual ☐ Special		Test Date: 1/21/87	
Company: Union Texas Petroleum Corp.		Connection: Southern Union Gathering Co.	
Pool: Blanco		Formation: Mesaverde	
Completion Date: 12/23/86	Total Depth: 7000	Plug Back TD: 6944	Elevation: 5785 GL
Firm or Lease Name: Haynie		Well No.:	
Csg. Size: 7.675	WI: 26.4	Set At: 2669	Perforations: From 4550 To 4730
5.500	17.0	2458 5986	Perforations: From 4769 To 4775
1.660	2.33	1.380	4800
Type Well - Single - Bradenhead - G.C. or G.O. Multiple		Packer Set At: 4850	
Gas - Gas - Multiple		County: San Juan	
Producing Thru Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _g : 12
State: New Mexico		Prover	
L: 4769	H:	G _g : 0.710	% CO ₂ : % N ₂ : % H ₂ S:
FLOW DATA		TUBING DATA	
CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size
SI	2"		3/4"
1.			
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	12.3650		179
2.			
3.			
4.			
5.			
NO.	P _r	Temp. °R	T _r
1			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Met/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ R			
NO.	P _c	P _w	P _c ² - P _w ²
1	956	843	913,936
2.			
3.			
4.			
5.			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.4958$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.0874$ AOF = 0 $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6437$			
Absolute Open Flow: 6437		Mold @ 15.025	Angle of Slope @
Slope, n: 0.75			
Remarks:			
Approved By Division		Conducted By: Cliff Gates	Calculated By: John C. Rector
		Checked By:	

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