

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-21-90	
Company TEXACO INC.			Connection not connected		
Pool So. Blanco exit			Formation Pictured Cliffs		
Completion Date 5-12-90		Total Depth 6200'		Plug back TD 6158'	
		Elevation 7325'KB		Farm or Lease Name C W Roberts	
Csg. Size 5.500	Wt. 14.0	d 4.950	Set At 6200	Perforations: From 3798' To 3819'	
				Well No. 7	
Thq. Size	Wt.	d	Set At	Perforations: From To	
				Unit Sec. Twp. Rge. J 17-25N-3W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple gas multiple				Packer Set At 3883'	
Producing Thru Casing		Reservoir Temp. °F		Mean Annual Temp. °F	
				Baro. Press. - P _a 12.0	
State New Mexico					
L 3798	H 3798	G _g .670 est	% CO ₂	% N ₂	% H ₂ S
Prover 2"x6".75		Meter Run		Taps	
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw
SI	168 hrs				
1.	2.000 x .750				
2.	2.000 x .750				
3.	2.000 x .750				
4.					
5.					
TUBING DATA					
	Press. p.s.i.g.	Temp. °F			
CASING DATA					
	Press. p.s.i.g.	Temp. °F			
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g
1	11.000		188	1.000	1.222
2	11.000		162	1.000	1.222
3	11.000		151	1.000	1.222
4					
5					
Super Compress. Factor, F _{pv}					
Rate of Flow Q, Mc/d					
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.					
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.					
1.					XXXXXXX
2.					XXXXX
3.					
4.					
5.					
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.					
Critical Temperature _____ R _____ R					
P _c 916 P _c ² 839056					
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	
1					
2					
3	22801	166	27556	811500	
4					
5					
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0340$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0288$					
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2121$					
Absolute Open Flow 2121 Mc/d @ 15.025 Angle of Slope 0 Slope, n .85					
Remarks: PW taken from spang hand book, produced no water no liquid hydrocabons in three hours					
Approved By Division		Conducted By: Paul D. Berhost		Calculated By: Paul D. Berhost	
				Checked By:	