

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 5-24-82	
Company Robert L. Bayless		Connection El Paso Natural Gas Co.	
Pool Ballard		Formation Pictured Cliff	
Completion Date 5-24-82	Total Depth 2599	Plug Back TD 2504	Elevation 7001 GL
Farm or Lease Name AXI P		Well No. X-5	
Csg. Size 2.875	Wt. 6.5 #	Set At 2.441	Set At 2583
Perforations: From 2470 To 2482		Perforations: From To	
Unit F		Sec. 20	Twp. 23
Type Well - Single - Brokenhead - G.G. or G.O. Multiple Single		Packer Set At None	County Sandoval
Producing Thru Casing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a 12 psia (est.)
State N.M.		Prover	
L	H	Cg	% CO ₂
.650		% N ₂	% H ₂ S
FLOW DATA		TUBING DATA	
Casing Data		Duration of Flow	
NO.	Prover Line Size	Drill Size	Press. p.s.i.g.
SI	7 days		
1.	2 inch	14	
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	12.3650		26
2.			
3.			
4.			
5.			
NO.	P _r	Temp. °R	T _r
1			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcl/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
F _c	676	P _c ²	456976
NO.	P _i ²	P _w ²	P _c ² - P _w ²
1		31	988
2			
3	Calculated		
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.00217$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.00183$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 311$			
Absolute Open Flow		Mcl @ 15.025	Angle of Slope θ
311			Slope, n .75
Remarks:			
Approved By Division		Conducted By:	Calculated By:
		Joe Elledge	Joe Elledge
			Kevin McCord