

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 1-31-84	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 1-16-84		Total Depth 6092		Plug Back TD 6047	
Elevation 5728 GL		Farm or Lease Name Gallegos Canyon Unit			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6092	Perforations: From 5919 To 6012	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5984	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F	
Baro. Press. - P _a		State New Mexico			
L	H	G _g	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1	11 Days				
2	2.375		.750		
3					
4					
5					
TUBING DATA					
	Press. p.s.i.g.	Temp. °F			
1	518				
2	82				
3					
4					
5					
CASING DATA					
	Press. p.s.i.g.	Temp. °F			
1	518				
2	405				
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
1	12.365		94	1.000	.9258
2					
3					
4					
5					
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio
1					Mcf/bbl.
2					A.P.I. Gravity of Liquid Hydrocarbons
3					Specific Gravity Separator Gas
4					Specific Gravity Flowing Fluid
5					Critical Pressure
					Critical Temperature
					P.S.I.A.
					R
					R
P _c	530	P _c ²	280900		
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6250$
1		417	173889	107011	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0623$
2					
3					
4					
5					
Absolute Open Flow					2241 Mcld @ 15.025
Angle of Slope					75
Remarks: Flared 1-1/2 hrs. Med water Light oil					
Approved By Division		Conducted By: J. J. Barnett		Calculated By: J. J. Barnett	
				Checked By: JB	