

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 4-18-86	
Company Amoco Production Co.				Connection El Paso	
Pool Basin				Formation Dakota	
Completion Date 4-4-86		Total Depth 6430		Plug Back TD 6360	
Elevation 5850 GR		Farm or Lease Name Gallegos Canyon Unit			
Csg. Size 7.000	Wt. 26	d 6.276	Set At 6430	Perforations: From 6176 To 6286	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6311	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru tubing				County San Juan	
Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico	
L	H	Gg	% 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 days						1385		1690		
1.	2.375		.750				135		480		3 hrs
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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		147	1.000	.9258	1.017	1711
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1702	P _c ² 2896804					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0912$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0676$
1		492	242064	2654740		
2						
3						
4						
5						

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1827$$

Absolute Open Flow 1827 Mcfd @ 15.025 Angle of Slope θ Slope, n .75

Remarks: flared x heavy oil, light H₂O

Approved By Division	Conducted By: J.J. Barnett	Calculated By: J.J. Barnett	Checked By:
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