

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 6-4-85		Flac	
Company Amoco Production Co.		Connection El Paso Natural Gas Company		846406-01-5	
Pool Basin		Formation Dakota		Unit	
Completion Date 5-26-85		Total Depth 6511		Plug Back TD 6450	
Elevation 6495 GR		Farm or Lease Name Gallegos Canyon Unit		Well No.	
Csq. Size 7.000	Wt. 23	d 6.306	Set At 6511	Perforations: From 6308 To 6420	
Tsq. Size 2.375	Wt. 4.7	d 1.995	Set At 6429	Perforations: From open To ended	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F	
Baro. Press. - P _a		County San Juan		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.	
SI	8 days						589		1202	
1.	2.375	.750					58		332	
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		70	1.000	.9258	1.008	808
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbon	_____ Deg.
2.					Specific Gravity of Gas	XXXXXXX
3.					Specific Gravity Flowing	XXXXX
4.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
5.					Critical Temperature _____ R	_____ R

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²
1	1214	1473396		
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.0873$

AOI = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 860$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0649$

Absolute Open Flow	860	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: flared, med. condensate, lite H2O

Approved By Division	Conducted By: Joe Elledge	Calculated By: J. J. Barnett	Checked By: JB
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