

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 4/18/85		Flac	
Company Amoco Production Co.				Connection El Paso Natural Gas Co.		846357-01-0	
Pool Basin				Formation Dakota		Unit	
Completion Date 4/4/85		Total Depth 6155		Plug Back TD 6114		Elevation 5502GR	
Farm or Lease Name Gallegos Canyon Un							
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 6155	Perforations: From 5917 To 6056		Well No. 201E	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6058	Perforations: From open To ended		Unit Sec. Twp. Rge. 0 11 28 12	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Protecting Thru tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a State New Mexico	
L	H	Cq	% 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	14 days						624		684		
1.	2.375		.750				58		319		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 F _g	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 Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 696 P _c ² 484416			
NO.	P _t ²	P _w	P _w ² P _c ² - P _w ²
1		331	109561 374855
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2923 \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2120$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 979$$

Absolute Open Flow	979	Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n .75
--------------------	-----	----------------	------------------------	--------------

Remarks: Lite condensate, Heavy spray H2O, Did not flare

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