

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 4/19/85	
Company Amoco Production Co.		Connection El Paso Natural Gas Co	
Pool Basin		Formation Dakota	
Completion Date 4/8/85		Total Depth 6362	Plug Back TD 6316
		Elevation 5957GL	Farm or Lease Name Gallegos Canyon Unit
Cnq. Size 7.000	Wt. 23	d 6366	Set At 6362
Perforations: From 6190 To 6276	Well No. 175E		
Perforations: From open To ended	Unit Sec. Twp. Rge. M 25 28 13		
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F p	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						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	10 days						1058		1065	
1.	2.375	.750					235		345	
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, Mc/d
1	12.365		247	1.000	.9258	1.029	2910
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 1077	P _c ² 1159929					
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1234$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0912$
1		357	127449	1032480		
2						
3						
4						
5						

Absolute Open Flow 3175		Mold # 15.025	Angle of Slope to _____	Slope, n .75
Remarks: Flared, Lite H2O, Lite oil				
Approved by Division	Conducted By:	Calculated By:	Checked By:	