

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 12-6-82	
Company Amoco Production Company		Connection El Paso Natural Gas Company	
Pool Basin		Formation Dakota	
Completion Date 11-18-82		Total Depth 6076	Plug Back TD 6032
		Elevation 5603 GL	Farm or Lease Name Gallegos Canyon Unit
Csq. Size 4.500	Wt. 10.5	d 4.012	Set At 6076
Perforations: From 5706 To 5982		Well No. 174E	
Tng. Size 2.375	Wt. 4.7	d 1.995	Set At 5986
Perforations: From open To ended		Unit E 28 28 12	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	County San Juan
Producing Thru Tubing		Reservoir Temp. °F #	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.	Temp. °F	
SI	7 Days						730		730		3 hrs
1.	2.375		.750				125		392		
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		137	1.000	.9258	1.016	1593
2.							
3.							
4.							
5.							

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

S. NO					P_c 742	P_c^2 550564	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.4214}{}$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.3018}{}$	
NO					P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2074}{}$	
1						404	163216	387348		
2										
3										
4										
5										

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2074$$

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

Remarks: _____

Approved By Division _____ Conducted By: _____ Calculated By: T T Barnett _____ Checked By: _____