

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 1/31/85	
Company Amoco Production Company		Connection El Paso Natural Gas Co.	
Pool Basin		Formation Dakota	
Completion Date 1/18/85		Total Depth 6194	
Plug Back TD 6165		Elevation 5478 GR	
Farm or Lease Name Gallegos Canyon Unit "A"		Well No. 142E	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6194
Perforations: From 5972 To 6100			
Tsq. Size 2.375	Wt. 4.7	d 1.995	Set At 6154
Perforations: From open To ended			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At None	
Producing Thru tubing L		County San Juan	
Reservoir Temp. °F @		State New Mexico	
Mean Annual Temp. °F @		Baro. Press. - P _g	
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	12 days						924	973			
1.	2.375	.750					214	580			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, Fpv	Rate of Flow Q, Mcfd
1	12.375		226	1.000	.9258	1.026	2654
2.							
3.							
4.							
5.							

NO.	P _g	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 985	P _c ² 970225	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5655$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3995$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		592	350464	619761
2				
3				
4				
5				

Absolute Open Flow 3714 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .75	
Remarks: flared, med. H₂O, Lite oil					

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