

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 04 15 80	
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS CO.		
Pool BASIN				Formation DAKOTA		Unit
Completion Date 03 25 80		Total Depth 7189		Plug Back TD 7151		Elevation 6707 GL
Form or Lease Name Jicarilla Gas Com 35C						Well No.
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 7189	Perforations From 7013 To 7066		1E
Tiq. Size 2.375	Wt. 4.7	d 1.995	Set At 7064	Perforations From OPEN To ENDED		Unit Sec. Twp. Rge. J 2 24 5
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE					Packer Set At NONE	
Producing Thru TUBING		Reservoir Temp. °F #		Mean Annual Temp. °F		County Rio Arriba
				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	
1	2.375	.750					1722		1875		3 hrs
2.							162		530		
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	12.365		174	1.000	.9253	1.020	2032
2.							
3.							
4.							
5.							

NO.	R ₁	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.L. 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

NO.	P ₁ ²	P _w	P ₂ ²	P ₂ ² - P _w ²	(1) $\frac{P_c^2}{P_2^2 - P_w^2} = 1.0899$	(2) $\left[\frac{P_c^2}{P_2^2 - P_w^2} \right]^n = 1.0567$
1		542	293764	3267005		
2						
3						
4						
5						

Absolute Open Flow _____ 2168		Mcf @ 15.025	Angle of Slope @ _____	Slope, n _____ .75
Remarks:				

Approved by Division	Conducted By	Calculated By	Checked By