

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 03 24 80	
Company AMOCO PRODUCTION CO.				Connection SOUTHERN UNION GATHERING SYSTEMS		
Pool Basin				Formation Dakota		Unit
Completion Date 03 06 80		Total Length 7438		Plug Back TD 7409		Elevation 6677
Ceq. Size 4.500		Wt. 11.6	d 4.000	Set At 7450	Perforations: From 7081 To 7236	
Tiq. Size 2.375		Wt. 4.7	d 1.995	Set At 7284	Perforations: From open To ended	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE		Farm or Lease Name Jicarilla Contract 147
Produ. TUBING		Reservoir Temp. °F P		Mean Annual Temp. °F		Well No. 4E
Baro. Press. - P _a		State New Mexico		County Rio Arriba		
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	9 days						2406		2408	
1.	2.375		.750				95	60	568	
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		107	1.000	.9258	1.012	1240
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_w^2 - P_w^2} = 1.0609$	(2) $\frac{P_c^2}{P_w^2 - P_w^2} = 0454$
1		580	336400	5520000		
2.						
3.						
4.						
5.						

Absolute Open Flow 1296 Mcfd @ 15.025				Angle of Slope θ _____	Slope, n .75
Remarks: Heavy mist after 3 hour blow					
Approved by Division		Conducted By: RAC		Calculated By: R. A. CONNERS	
				Checked By: B E FACKRELL	

