

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 3/20/85		APR 03 1985	
Company Amoco Production Co.			Connection El Paso Natural Gas Co.		
Pool Basin			Formation Dakota		Unit DIST. 3
Completion Date 3/9/85		Total Depth 6148	Plug Back TD 6107	Elevation 5738GL	Farm or Lease Name Gallegos Canyon Uni
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6148	Perforations: From 5892 To 5938	Well No. 89E
Thp. Size 2.375	Wt. 4.7	d 1.995	Set At 5948	Perforations: From open To ended	Unit Soc. Twp. Rye. L 6 27 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 _g	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	11 days						510		580		
1.	2.875	.750					89		248		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		101	1.000	.9258	1.011	1169
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

NO.	P _w	P _w ²	P _w ² - P _w ²	(1) $\frac{P_c^2}{P_w^2 - P_w^2} = 1.2390$	(2) $\left[\frac{P_c^2}{P_w^2 - P_w^2} \right]^n = 1.1744$
1	260	67600	282864		
2.					
3.					
4.					
5.					

Absolute Open Flow _____ 1373 _____ Mcfd @ 15.025		Angle of Slope ← _____	Slope, n _____ .75
Remarks: flared, condensate med., Lite h20			
Approved By Division	Conducted By: Bryan Services	Calculated By: JJ Barnett	Checked By: