

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type of Test ☒ Initial ☐ Annual ☒ Special						Test Date APR 85	
Company Amoco Production Co.				Connection El Paso Natural Gas Co.			
Pool Otero				Formation Chacra			
Completion Date 3/4/85		Total Depth 3060		Plug Back TD 3019		Elevation 5520 GR	
Farm or Lease Name Anderson Gas Com "B"							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 3060	Perforations: From 2778 To 2888		Well No. 1	
Thq. Size 2.375	Wt. 4.6	d 1.995	Set At 2895	Perforations: From open To ended		Unit Sec. Twp. Rge. K 28 29 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At None		County San Juan	
Producing Thru tubing		Reservoir Temp. °F p		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.	
SI	7 days						968		999	
1.	2.375	.750					245		486	3hrs
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		257	1.000	.9258	1.025	3016
2.							
3.							
4.							
5.							

NO.	R _f	Temp. °R	T _f	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 _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3204$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4317$
1	498	248004	1774117		
2					
3					
4					
5					

Absolute Open Flow _____ 3715 _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____ .75 _____
Remarks: <u>flared, lite, h2o</u>			

Approved By Division	Conducted By: Bryan Services	Calculated By: JJ Barnett	Checked By:
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