

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-172
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 05 29 80	
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS COMPANY		
Pool BASIN				Formation DAKOTA		Unit
Completion Date 05 13 80		Total Depth 6070		Plug Back TD 6066		Elevation 5414 GL
Farm or Lease Name GALLEGOS CANYON UNIT						Well No. 200E
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 6087	Perforations: From 5862 To 6046		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6055	Perforations: From open To ended		
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		State NEW MEXICO
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover Meier 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						405		890		3 hrs
2.	2.375	.750					20		382		
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		32	1.000	.9258	1.004	368
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Ebl.	
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas _____	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____	XXXXXX
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) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	902	813604		12.358	1.1721
2		394	155236		
3			658368		
4					
5					

AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ **431**

Absolute Open Flow 431 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 75
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Remarks: _____

Approved By Commission:	Conducted By: JJB	Calculated By: J J BARNETT	Checked By: R. A. DOWNEY
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