

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

Form C-122
 Revised 9-6-65

Type Test: ☒ Initial ☐ Annual ☒ Special					Test Date: 1-5-82						
Company: Amoco Production Company					Connection: El Paso Natural Gas Company						
Pool: Basin					Formation: Dakota						
Completion Date: 12-09-81			Total Depth: 6153		Plug Back TD: 6084		Elevation: 5532 GL		Farm or Lease Name: Gallegos Canyon Unit		
Csg. Size: 4.500	Wt.: 10.5	d: 4.052	Set At: 6153	Perforations: From 5914 To 6018				Well No.: 209E			
Tub. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 6031	Perforations: From open To ended				Unit: E	Sec.: 15	Twp.: 28N	Rge.: 12W
Type Well - Single - Bradenhead - G.C. or G.O. Multiple: Single					Packer Set At: None			County: San Juan			
Producing Thru Tubing		Reservoir Temp. °F: 8		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.	Temp. °F	
SI	11 Days						368		522		
1.	2.375	.750					40		276		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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		52	1.000	.9258	1.006	599
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.G. Gravity of Liquid Hydrocarbons	Specific Gravity Separated Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1										
2										
3										
4										
5										

P _c 534	P _c ² 285156	NO.	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4102$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2941$
		1	288	82944	202212		
		2					
		3					
		4					
		5					

Absolute Open Flow: 775 Mcfd @ 15.025				Angle of Slope θ :		Slope, n: .75	
Remarks:							

Approved by Commission:	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By:
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