

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 1-2-81	
Company Amoco Production Company				Connection El Paso Natural Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date 12-12-80		Total Depth 6164		Plug Back TD 6116		Elevation 5543
Farm or Lease Name Gallegos Canyon Unit		Well No. 187E				
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6163	Perforations: From 5962 To 6088		Unit Sec. Twp. R10. N 30 22 29N 12W
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6090	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 8		Mean Annual Temp. °F		State New Mexico
L	H	Gg	% 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	14 days						898	917			3 hrs
1.	2.375		.750				132	540			
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		144	1.000	.9258	1.016	1675
2.							
3.							
4.							
5.							

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

P _c 929 P _c ² 863041					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5457$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3863$
NO.	P _w	P _w ²	P _c ² - P _w ²			
1	552	304704	558337			
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2322$			
Absolute Open Flow 2322		Mold # 15.025	
Angle of Slope θ		Slope, n .75	

Remarks: Heavy oil flow

Approved By Commission	Conducted By JJB	Calculated By J. J. Barnett	Checked By LNE
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