

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

Form C-122
 Revised 9-1-65

☒ Initial ☐ Annual ☒ Special				Test Date 4/27/81	
Production Company Amoco Production Company				Connection El Paso Natural Gas Company	
Field Basin				Formation Dakota	
Completion Date 1/6/81		Total Depth 6044		Plug Back TD 5976	
				Elevation 5327	
Form or Lease Name Gallegos Canyon Unit					
Casing Size 4.500		Wt. 10.5		ID 4.052	
				Set At 6044	
Perforations: From 5788				To 5898	
Well No. 153E					
Unit C		Sec. 28		Twp. 29N	
				Rge. 12W	
Type Well - Single - Bronzhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Zone Tubing		Reservoir Temp. °F P		Mean Annual Temp. °F None	
				Baro. Press. - P _a State New Mexico	
L		H		G _g	
				% CO ₂	
				% H 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.	
1.	11 Days						722		750	
2.	2.375		.750				48		258	
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor FL	Gravity Factor F _g	Super. Compress. Factor, F _{sp}	Rate of Flow Q, Mgd
1.	12.365		60	1.000	.9258	1.006	691
2.							
3.							
4.							
5.							

APR 30 1981
 OIL CON. COM.
 DIST. 3

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

NO.	P _r	P _w	P _c	P _c ² - P _w ²
1.	762	270	580644	507744
2.				
3.				
4.				
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1436$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 764$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1059$$

Actual Open Flow 764	Mgd @ 15.625	Angle of Slope θ	Slope, n = .75
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Light mist H₂O

Checked By: JJB	Calculated By: J J BARNETT
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