

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 7-10-85	
Company Amoco Production Co.			Connection El Paso Natural Gas Co		
Pool Basin			Formation Dakota		Unit
Completion Date 7-2-85		Total Depth 6265		Plug Back TD 6223	Elevation 5641 GR
Form or Lease Name Gallegos Canyon Unit					
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 6265	Perforations: From 6018 To 6156	
Well No. 213E					
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6185	Perforations: From open To ended	
Unit Sec. Twp. Rge. M 8 28 12					
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru tubing				County San Juan	
Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico	
L	H	Cq	% 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	7 Days						615		800		
1.	2.375		750				117		312		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, Mcd
1	12.365		129	1.000	.9258	1.015	1499
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.										

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	812	324	659344	104976	554368
2.					
3.					
4.					
5.					

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1894$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1707$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1389$$

Absolute Open Flow	1707	Mcd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Flared, Lite condensate, Med H2O

Approved By Division	Conducted By Deyan Services	Calculated By I. I. Barnett	Checked By R
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