

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 6-14-85	
Company Amoco Production Co.			Connection El Paso Natural Gas Co.		
Pool Basin			Formation Dakota		Unit
Completion Date 6-7-85		Total Depth 6443	Plug Back TD 6406		Elevation 5902
Farm or Lease Name Gallegos Canyon Unit					
Coq. Size 7.000	Wt. 23	d 6.366	Set At 6443	Perforations: From 6210 To 6380	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6332	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or C.O. Multiple Single			Packer Set At None		Well No. 232E
Producing Thru tubing		Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _g	
County San Juan					
State New Mexico					
L	H	Cg	% 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.
SI	7 days						1021		1312	
1.	2.375		.750				1051		1149	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	1.3309		1063	1.000	.9258	1.0980	1438
2.							
3.							
4.							
5.							

NO.	P ₁	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	Critical Temperature
1	1324									
2.										
3.										
4.										
5.										

NO.	P ₁ ²	P _w	P _w ²	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					4.3277	3.0005
2.						
3.						
4.						
5.						

NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1					4315
2.					
3.					
4.					
5.					

Absolute Open Flow 4315 Mcfd @ 15.025		Angle of Slope @	Slope, ft 75
Flared, Med Condensate, Lite H2O			

Approved By Division	Conducted By	Calculated By	Checked By
----------------------	--------------	---------------	------------