

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 5/8/81	
Company Amoco Production Company				Connection Amoco Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date 4/11/81		Total Depth 5973		Plug Back TD 5930		Elevation 5325
Farm or Lease Name Gallegos Canyon Unit						
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 5973	Perforations: From 5752 To 5866		Well No. 94E
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5865	Perforations: From open To ended		Unit Sec. Twp. Hgs. A 23 29N 13W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At		County San Juan
Producing Thru tubing		Reservoir Temp. °F 9		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	8 days						1100		1344		
1.	2.375		.750				98		407		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		110	1.000	.9258	1.012	1274
2.							
3.							
4.							
5.							

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 Separator Liquid	Critical Pressure P _c , P.S.I.A.	Critical Temperature T _c , °R
1.										
2.										
3.										
4.										
5.										

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1		419	175561	1663175	
2					
3					
4					
5					

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.1056$

AOIF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1374$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0782$

Absolute Open Flow	Mcfd @ 15,025	Angle of Slope θ	Slope, n .75
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Remarks: Heavy oil and H₂O

Approved by Commission	Conducted By: JJB	Calculated By: J J BARNETT	Checked By: JJB
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