

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 12-3-81	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 10-4-81		Total Depth 6509		Plug Back TD 6438	
				Elevation 5471 GL	
Farm or Lease Name Garcia Gas Com "B"					
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6451	Perforations: From 6238 To 6416	
Well No. 1E					
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 6230	Perforations: From open To ended	
Unit Sec. Twp. Rge. M 21 29N 10W					
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru tubing				County San Juan	
Reservoir Temp. °F P		Mean Annual Temp. °F		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
Prover					
Meter Run					
Taps					
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
SI	15 Days				
1.	2.375		.750		
2.					
3.					
4.					
5.					
TUBING DATA					
	Press. p.s.i.g.	Temp. °F			
	1285				
	91				
CASING DATA					
	Press. p.s.i.g.	Temp. °F			
	1285				
	403				
Duration of Flow 3 hrs					
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g
1	12.365		103	1.000	.9258
2.					
3.					
4.					
5.					
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio
1.					
2.					
3.					
4.					
5.					
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.					
Specific Gravity Separator Gas _____					
Specific Gravity Flowing Fluid _____					
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.					
Critical Temperature _____ °R _____ °R					
RECEIVED DEC 22 1981 OIL COM					
$P_c = 1297$ $P_c^2 = 1682209$					
NO.	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1141$	
1	415	172225	1509984	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0844$	
2					
3					
4					
5					
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1293$					
Absolute Open Flow <u>1293</u> Mcf @ 15.025 Angle of Slope <u>75</u> Slope, n <u>75</u>					
Remarks: <u>A Perm. Bridge plug set at 6438</u>					
Approved By Commission					
Conducted By J. J. Barnett		Calculated By J. J. Barnett		Checked By	