

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 3/25/81	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 2/28/81		Total Depth 6885		Plug Back TD 6841	
Elevation 5692		Farm or Lease Name Heath Gas Com "G"			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6885	Perforations: From 6578 To 6688	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6702	Perforations: From open To ended	
Type Well - Single - Brdndhead - G.G. or G.O. Multiple single				Packer Set At none	
Producing Thru tubing		Reservoir Temp. °F P		Mean Annual Temp. °F	
Baro. Press. - P _a		County San Juan			
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	7 days						1720		1720		
1.	2.375		.750				115		597		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 F _{pv}	Rate of Flow Q, Mcfd
1	12.365		127	1.000	.9258	1.015	1476
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1732	P _c ² 2999824	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1411$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1040$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	609	370881	2628943
2			
3			
4			
5			

Absolute Open Flow 1630		Angle of Slope 15.025	Slope, n 75
Remarks: lite H ₂ O			
Approved By Commission	Conducted By JJB	Calculated By J. J. BARNETT	Checked By