

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 12-8-81	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Angels Peak				Formation Gallup	
Completion Date 11-13-81		Total Depth 6618		Plug Back TD 6523	
				Elevation 6132 GL	
Farm or Lease Name J. C. Gordon "D"				Well No. 2E	
Csg. Size 7.000	Wt. 26	d 6.276	Set At 6618	Perforations: From 5503 To 5789	
Tub. Size 2.063	Wt. 3.25	d 1.751	Set At 5799	Perforations: From perf To sub	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Dual				Packer Set At 6014	
Producing Thru Tubing		Reservoir Temp. °F θ		Baro. Press. - P _a	
				State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
FLOW DATA			TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
SI	7 Days				
1.	2.375	.750			
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
1	12.365		77	1.000	.9258
2.					
3.					
4.					
5.					
NO.	P _r	Temp. °R	T _r	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
$P_c = 882$ $P_c^2 = 777924$					
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2589$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1885$
1		400	160000	617924	
2					
3					
4					
5					
$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1057$					
Absolute Open Flow <u>1057</u>				Mcf @ 15.025 Angle of Slope θ _____ Slope, n <u>75</u>	
Remarks:					
Approved By Commission		Conducted By J. J. Barnett		Calculated By J. J. Barnett	
				Checked By 	