

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 8-16-83	
Company Amoco Production Company				Connection El Paso Natural Gas Company		
Pool Basin				Formation Dakota		Unit 0.51.3
Completion Date 8-3-83		Total Depth 6361		Plug Back TD 6320		Elevation 5888
Csg. Size 4.500		Wt. 10.5	d 4.052	Set At 6361	Perforations: From 6154 To 6268	
Tub. Size 2.375		Wt. 4.7	d 1.995	Set At 6199	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		Well No. 1E
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F @		Baro. Press. - P _a @
L		H	Gg	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps		
FLOW DATA				TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F
1.	12 Days					
1.	2.375		.750			
2.						
3.						
4.						
5.						
NO.	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F
1.	1785		1785		1785	
1.	195		568			
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
1	12.365		207	1.000	.9258	1.024
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 1797 P _c ² 3229209 (1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.1163$ (2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0860$						
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	AOI* = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 2636$	
1		580	336400	2892809		
2.						
3.						
4.						
5.						
Absolute Open Flow 2636				Mcf @ 15.025		Slope, n .75
Remarks: Drilled & Completed by True Drilling Company						
Approved By Commission		Conducted By J. J. Barnett		Calculated By J. J. Barnett		Checked By: <i>K</i>