

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 6-24-83		JUL 13 1983	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 6-10-83		Total Depth 6191		Plug Back TD 6141		Elevation 5824	
Farm or Lease Name Gallegos Canyon Unit				Well No. 158E			
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 6191	Perforations: From 6029 To 6115		Unit Sec. Twp. Rge. G 36 28 13	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6108	Perforations: From open To ended			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 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.	
SI	9 Days						697		697	
1.	2.375	.750					141		453	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		153	1.000	.9258	1.017	1781
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 709	P _c ² 502681	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7548$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5247$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	465	216225	286456
2			
3			
4			
5			

AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2715$

Absolute Open Flow 2715 Mcfd @ 15.025

Angle of Slope @ _____ Slope, n .75

Remarks: _____

Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By J. J. Barnett
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