

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 5-31-83			
Company Amoco Production Company				Connection Not dedicated					
Pool Basin				Formation Dakota				Unit	
Completion Date 5-16-83		Total Depth 6219		Plug Back TD 6198		Elevation 5716 GL		Farm or Lease Name Gallegos Canyon Unit	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6219	Perforations: From 6070 To 6126		Well No. 192E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6142	Perforations: From open To ended		Unit A	Sec. 30	Twp. 28	Rge. 12
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _q	% 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	10 Days						506		533	
1.	2.375	.500					216		454	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	5.4315		228	1.000	.9258	1.026	1176
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ XXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 545	P _c ² 297025		
NO.	P _w	P _w ²	P _c ² - P _w ²
1	466	217156	79369
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.7189$

AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3149$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.6780$

Absolute Open Flow 3149	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: _____

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