

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

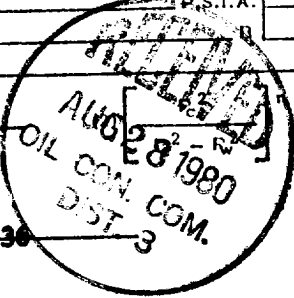
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 07 07 80	
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS COMPANY		
Pool BASIN				Formation DAKOTA		Unit
Completion Date 06 21 80		Total Depth 6280		Plug Back TD 6236		Elevation 5587 GL
Farm or Lease Name GALLEGOS CANYON UNIT						Well No. 210E
Csg. Size 4.500	Wt. 10.5	d 4.000	Set At 6280	Perforations: From 6008 To 6138		Unit Sec. Twp. Rge. C 31 29 12
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6257	Perforations: From open To ended		County SAN JUAN
Type Well - Single - Brdenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE		State NEW MEXICO
Producing Thru TUBING		Reservoir Temp. °F 6		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		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	11 days						1163		1163		3 hrs
1.	2.375	.750					110	60	364		
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	Rate of Flow Q, Mcfd
1	12.365		122	1.000	.9258	1.014	1416
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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 1175	P _c ² 1380625	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = \frac{1.1141}{1.0844}$			
NO.	P _e ²	P _w	P _w ²	P _e ² - P _w ²	
1		376	141376	1239249	
2					
3					
4					
$AOF = Q \left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1536$					

Absolute Open Flow 1536	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
Remarks: MADE HEAVY CONDENSATE DURING 3 HOUR TEST			
Approved By Commission:	Conducted By: JJB	Calculated By: J J BARNETT	Checked By: R A DOWNEY