

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

Form C-122
 Revised 9-7-65

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 2-3-82			
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 12-24-81		Total Depth 6080		Plug Back TD 6031		Elevation 5456 GL		Farm or Lease Name Gallegos Canyon Unit	
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 6080	Perforations: From 5876 To 5888		Well No. 212E			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5989	Perforations: From open To ended		Unit P	Sac. 32	Twp. 29N	Rye. 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% 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	13 Days						445		712		
1.	2.375		.750				65		380		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	12.375		77	1.000	.9258	1.009	889
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXXXXXX
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ °R

P _c 724	P _c ² 524176		
NO.	P _t ²	P _w	P _w ²
1		392	153664
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.4147}{}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1153$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.2972}{}$$

Absolute Open Flow 1153	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By: [Signature]
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<u>DEPTH</u>	<u>DEVIATION</u>
328'	1/4°
849'	1/2°
1496'	3/4°
2021'	1°
2546'	1°
3163'	3/4°
3225'	1/2°
3749'	1/2°
4270'	1/2°
4795'	3/4°
6073'	1°



THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation tests taken on AMOCO PRODUCTION COMPANY'S Gallegos Canyon Unit No. 212E, Section 32, T29N, R12W, San Juan County, New Mexico.

Signed E. E. Svoboda
Title Dist. Admin. Supvr.

THE STATE OF NEW MEXICO)) SS.
COUNTY OF SAN JUAN)

BEFORE ME, the undersigned authority, on this day personally appeared E. E. Svoboda known to me to be Dist. Admin. Supvr. for Amoco Production Company and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said
County and State this 15 day of February, 19 82.

Eleanor P. Brown