

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 2-06-81				
Company Amoco Production Company						Connection El Paso Natural Gas Company				
Pool Basin						Formation Dakota		Unit		
Completion Date 1-20-81			Total Depth 6754		Plug Back TD 6740		Elevation 5624		Farm or Lease Name Nye Gas Com "B"	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6754	Perforations: From 6490 To 6691			Well No. 1E			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6709	Perforations: From open To ended			Unit F	Soc. 7	Twp. 29N	Rge. 9W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single						Packer Set At none		County San Juan		
Producing Thru tubing		Reservoir Temp. °F A		Mean Annual Temp. °F		Baro. Press. - P _a		State 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.	Temp. °F	
SI	10 days						1195		1242		
1.	2.375	.750					108		497		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		120	1.000	.9258	1.014	1393
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 _____ XXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1254	P _c ² 1572516	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1973$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1446$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	509	259081	1313436
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1594$

Absolute Open Flow	1594	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Light oil & H₂O spray

Approved By Commission:	Conducted By: JJB	Calculated By: J J BARNETT	Checked By:
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