

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 10-17-81	
Company Amoco Production Company				Connection Southern Union Gas Co.	
Pool Basin				Formation Dakota	
Completion Date 10-2-81		Total Depth 6509		Plug Back TD 6468	
				Elevation 5962 GL	
Csg. Size 4.500		Wt. 10.5		Set At 6509	
Perforations: From 6269 To 6389		Well No. 1E			
Trq. Size 2.375		Wt. 4.7		Set At 6395	
Perforations: From open To ended		Unit Sec. Twp. Rge. 0 2 27N 10W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				County San Juan	
Reservoir Temp. °F θ		Mean Annual Temp. °F		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.	
SI	11 Days						1340		1453	
1.	2.375		.750				95		550	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		107	1.000	.9258	1.012	1240
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 _____ XXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXXXX
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1	1465	562	315844	1830381
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.1726$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1268$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1397$

Absolute Open Flow	1397	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: med oil light water

Approved by Commission	Conducted by J. J. Barnett	Calculated by J. J. Barnett	Checked by:
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