

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

Form G-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 3-31-81	
Company Amoco Production Company				Connection Southern Union Gathering Company	
Pool Bloomfield				Formation Chacra	
Completion Date 3-4-81		Total Depth 6825		Plug Back TD 6785	
Elevation 6100		Well No. IE		Farm or Lease Name J. E. Day "D"	
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 6825	Perforations: From 3223 To 3235	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 3270	Perforations: From open To ended	
Type Well - Single - Drilled - G.C. or G.O. Multiple Dual				Packer Set At Bridge Plug 4440	
Producing thru Tubing		Reservoir Temp. °F 8		Baro. Press. - P _a	
State New Mexico					
L	H	G _g	% CO ₂	% H 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						775		870	
1.	2.375	.750					52		107	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, Mcf/d
1	12.365		64	1.000	.9258	1.006	737
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °F	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 882	P _c ² 777924	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0185$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0139$	
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1		119	14161	763763
2				
3				
4				
5				

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 747$

$\frac{P_c^2}{P_c^2 - P_w^2} = 1.0185$

Absolute Open Flow	747	Mcf @ 15.025	Angle of Slope θ	Slope, n	75
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Remarks: Life list H₂O, Dual completed at later date

Approved By Commission:	Conducted By: JJB	Calculated By: J. J. Barnett	Checked By: CLB
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