

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 Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 10-2-81		Total Depth 6509		Plug Back TD 6468		Elevation 5962 GL		Farm or Lease Name Fred Feasel "G"	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6509	Perforations: From 6269 To 6389		Well No. 1E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6395	Perforations: From open To ended		Unit Sec. Twp. Rge. 0 2 27N 10W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F P		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.	
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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		107	1.000	.9258	1.021	1240
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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

NO.	P _t	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1		562	315844	1830381	1.1726	1.1268
2						
3						
4						
5						

Absolute Open Flow _____ 1397 _____ Mcfd @ 15.025		Angle of Slope @ _____		Slope, n _____ .75 _____	
Remarks: Med oil light H2O					
Approved By Commission		Conducted By J. J. Barnett		Calculated By J. J. Barnett	
				Checked By	