

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 12-30-80			
Company Amoco Production Company				Connection Southern Union Gathering Company				
Pool Basin				Formation Dakota				Unit
Completion Date 1208-80		Total Depth 6580		Plug Back TD 6535		Elevation 6081		Form or Lease Name Johnson Gas Com "B"
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6580	Perforations: From 6295 To 6464		Well No. 1E		
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 6483	Perforations: From open To ended		Unit I	Sec. 21	Twp. 27N
						Rge. 10W		
Type Well - Single - Bradenhead - G.C. 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	Gq	% 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	14 days						656		917		3 hrs
1.	2.375		.750				108		560		
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 _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

NO.	P _f	P _w	P _w ²	P _f ² - P _w ²	(1) $\frac{P_c^2}{P_f^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_f^2 - P_w^2} \right]^n =$
1		572	327184	535857	1.6106	1.4297
2						
3						
4						
5						

Absolute Open Flow <u>1992</u> Mcfd @ 15.025 Angle of Slope θ _____ Slope, n <u>.75</u>			
Remarks: <u>Flowed lite oil and H₂O</u>			
Approved By Commission _____ Conducted By: <u>JJB</u> Calculated By: <u>J. J. Barnett</u> Checked By: <u>CLB</u>			