

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial ☐ Annual ☒ Special		Test Date 2/10/85	
Company Amoco Production Company			Connection El Paso Natural Gas Company		
Pool Basin			Formation Dakota		Unit DIV.
Completion Date 1/31/85		Total Depth 6499		Plug Back TD 6454	
Elevation 5911 GR		Farm or Lease Name T.L. Rhodes "C"			
Csg. Size 7.000	Wt. 23	d 6.366	Set At 6499	Perforations: From 6376 To 6406	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6423	Perforations: From open To ended	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _a		County San Juan			
State New Mexico					
L	H	G _g	% 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	7 days						1610		1624		
1.	2375		.750				88		485		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, Mc/d
1	12.365		100	1.000	.9258	1.011	1157
2.							
3.							
4.							
5.							

NO.	R _f	Temp. °R	T _f	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

P_c 1636 P_c^2 2676496					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.1017}$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.0753}$
NO	P_i^2	P_w	P_w^2	$P_c^2 - P_w^2$		
1		497	247009	2429487	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1244}$	
2						
3						
4						
5						

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1244$$

Absolute Open Flow 1244	Mcf @ 15.025	Angle of Slope ϕ	Slope, n 75
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Remarks: flared, lite oil, lite H₂O.

Approved By Division	Conducted By: Bryan Services	Calculated By: J.J. Barnett	Checked By: R
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