

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 02 07 80			
Company AMOCO RPRODUCTION COMPANY				Connection NORTHWEST PIPELINE COMPANY					
Pool BASIN DAKOTA				Formation DAKOTA				Unit	
Completion Date 12 18 79		Total Depth 7546		Plug Back TD 7483		Elevation 6765 GL		Farm or Lease Name JICARILLA CONTRACT 146	
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 7546	Perforations: From 7201 To 7393		Well No. 10E			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7405	Perforations: From open To ended		Unit Sec. Twp. Rge. E 9 25 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE						Packer Set At NONE		County RIO ARRIBA	
Producing Thru TUBING		Reservoir Temp. °F #		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	30 days						1350		1350		
1.	2.375		.750				50		445		
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 Fg	Super Compress. Factor, Fpv	Rate of Flow O. Mcfd
1	12.365		62	1.000	.9258	1.007	715
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 _____ X 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 1362	P _c ² 1855044	
NO.	P _r ²	P _w ²
1	457	108849
2.		
3.		
4.		
5.		

(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.1269$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 782$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0937$

Absolute Open Flow _____ 782 _____ Mcfd @ 15.025	Angle of Slope @ _____
Remarks _____	

Approved By Division	Conducted By: JJB	Calculated By: J J BARNETT	Checked By: B. E. FACKRELL
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RECEIVED

FEB 27 1980

OIL CON. COM. DIST. 3