

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 10-28-82			
Company Amoco Production Company				Connection Northwest Pipeline Corporation					
Pool Gonzales				Formation Mesaverde				Unit	
Completion Date 9-25-82		Total Depth 5346		Plug Back TD 5331		Elevation 6602 GL		Farm or Lease Name Jicarilla Contract 146	
Csg. Size 5.500	Wt. 17	d 4.892	Set At 5346	Perforations: From 5116 To 5294		Well No. 35			
Thq. Size 2.063	Wt. 3.25	d 1.751	Set At 5244	Perforations: From open To ended		Unit E	Sec. 3	Twp. 25N	Rge. 5W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 3941		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	14 Days						938		X		
1.	2.375		.750				50		X		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 _L	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcf/d
1	12.365		62	1.000	.9608	1.005	740
2.							
3.							
4.							
5.							

NO.	P _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 950	P _c ² 902500	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0319$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0238$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	167	27889	874611
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 757$

Absolute Open Flow 757 Mcf/d @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By J. J.
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