

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1965

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 4-30-81	
Company AMOCO PRODUCTION COMPANY				Connection None		
Well Wildcat				Formation Fruitland		Unit
Completion Date 04-03-81		Total Depth 2247		Plug Back TD 2135		Elevation 5732 GL
Casing Size 8.625		Wt. 24	d 8.097	Set At 2215	Perforations: From 1466 To 1506	
Casing Size 2.375		Wt. 4.7	d 1.995	Set At 1528	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None		Form or Lease Name W. D. Heath "A"
Producing Thru tubing L		Reservoir Temp. °F ρ		Mean Annual Temp. °F		Well No. 14
Baro. Press. - P _a		County San Juan		State New Mexico		
L	H	G _g	% CO ₂	% H 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	
5	9 days						445		472		
1.	2.375	.750					182		254		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, Mcfd
1	12.365		194	1.000	.9603	1.019	2349
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.										

P _c 484 P _w 234256				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4323$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3576$	
NO.	P _c	P _w	P _c ² - P _w ²				
1		266	70756	163500			
2							
3							
4							
5							

Absolute Open Flow 3189 Mcfd @ 15.025				Angle of Slope θ		Slope, n 85	
Remarks: Med oil and H ₂ O Spray							
Approved By Commission		Conducted By JJB		Calculated By JJ Barnett		Checked By CB	