

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 12-8-82	
Company Amoco Production Company				Connection Not dedicated	
Pool Wildcat <i>Unders</i>				Formation Gallup	
Completion Date 10-19-82		Total Depth 8986		Plug Back TD 8646	
Elevation 7004 GL		Farm or Lease Name Rosa Unit			
Csq. Size 5.500	Wt. 17	d 4.892	Set At 8986	Perforations: From 7281 To 8005	
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 8008	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _a		County Rio Arriba			
State New Mexico		Meter Run			
L	H	G _g	% CO ₂	% N ₂	% H ₂ S
Prover		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.	
SI	27 Days						2670		2670	
1.	2.375	.750					180		912	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		192	1.000	.9258	1.022	2246
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 2682	P _c ² 7193124	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1347$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0994$
NO.	P _t ²	P _w	P _w ²
1		924	853776
2			
3			
4			
5			

Absolute Open Flow 2469		Mcf @ 15.025		Angle of Slope θ _____		Slope, n .75	
Remarks: _____							

Approved By Division _____	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By: <i>JP</i>
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