

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 7-26-82	
Company Amoco Production Company		Connection Gas Company of New Mexico	
Pool Basin		Formation Dakota	
Completion Date 6-25-82		Total Depth 8171	
Plug Back TD 8136		Elevation 7225 GL	
Form or Lease Name Jicarilla Apache Tribal 122		Well No. 2	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 8171
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 8113
Perforations: From 7930 To 8122		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 P	
Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico		County Rio Arriba	
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
SI	9 Days		
1.	2.375	.750	
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	12.365		52
2.			
3.			
4.			
5.			
NO.	R _t	Temp. °R	T _r
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
P _c 2320 P _c ² 5382400			
NO	P _t ²	P _w	P _w ²
1		462	213444
2			5168956
3			
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0413$			
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 0.308$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 616$			
Absolute Open Flow 616 Mcfd @ 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:			