

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 11-7-78			
Company Amoco Production Company				Connection Gas Company Of New Mexico					
Pool Basin				Formation Dakota				Unit	
Completion Date 10-25-78		Total Depth 7627		Plug Back TD 7616		Elevation 6558		Farm or Lease Name Jicarilla Apache 151	
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 7600	Perforations: From 7390 To 7604		Well No. 7			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7575	Perforations: From Open To Ended		Unit M	Sec. 4	Twp. 26N	Rge. 5W
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	Gg	% 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	13 days						1544		2386		
1.	2.375		.750				100	60	517		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 Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1	12.365		112	1	.9258	1.012	1298
2.							
3.							
4.							
5.							

NO.	F _t	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 2398	P _c ² 5750404	
NO.	P _t	P _w
1.		
2.		
3.	529	279841
4.		
5.		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0512$$

$$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1347$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0381$$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n _____
Remarks: 1347 .75		

Approved By Commission	Conducted By: RAC	Calculated By: R. A. Connors	Checked By: J. L. Krupka
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