

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: 1-30-81	
Company: Amoco Production Company				Connection: El Paso Natural Gas Company			
Pool: Basin				Formation: Dakota		Unit:	
Completion Date: 10-08-80		Total Depth: 8254		Plug Back TD: 8230		Elevation: 7123	
Farm or Lease Name: Jicarilla Apache 102							
Csg. Size: 4.500	Wt. 10.5	d 4.052	Set At 8274	Perforations: From 8005 To 8163		Well No. 14E	
Tq. Size: 2.375	Wt. 4.7	d 1.995	Set At 8143	Perforations: From open To ended		Unit Sec. Twp. Rge. M 9 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single				Packer Set At: none		County: Rio Arriba	
Producing Thru tubing		Reservoir Temp. °F: θ		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	47 days						1950		1955		
1.	2.375		.750				190		624		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		202	1.000	.9258	1.023	2366
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P_c 1967	P_c^2 3869089		
NO.	P_w	P_w^2	$P_c^2 - P_w^2$
1	636	404496	3464593
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1168$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2570$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0863$$

Absolute Open Flow: 2570	Mcft @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: light H₂O & oil
 later completion on upper zone

Approved By Commission:	Conducted By: JJB	Calculated By: J J BARNETT	Checked By:
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