

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

Form C-122
 Revised 9-12-65

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 6-4-81	
Company Amoco Production Co.			Connection El Paso Natural Gas Co.			
Pool Basin			Formation Dakota		Unit	
Completion Date 4-12-81		Total Depth 7500		Plug Back TD 7457		
Elevation 6726		Farm or Lease Name Jic. Apache Con. 146				
Csg. Size 7.000	Wt. 26	d 6.276	Set At 7500	Perforations: From 7183 To 7369		
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 7339	Perforations: From Open To Ended		
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual				Packer Set At 5528		
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		
Baro. Press. - P _a		State New Mexico				
L	H	G _g .700	% 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	39 Days						2022				
1.	2.375		.750				225				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		237	1.900	.9258	1.028	2789
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	Deq.
2.					Specific Gravity Separator Gas	
3.					Specific Gravity Flowing Fluid	
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	°R

P _c 2034 P _c ² 4137156			
NO.	P _r	P _w	P _r ² - P _w ²
1		516	266256
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0688$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2932$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0512$$

Absolute Open Flow	2932	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Flowed Med. Oil Lite H₂O

Approved By Commission	Conducted By: JJB	Calculated By: J.J. Barnett	Checked By:
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