

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

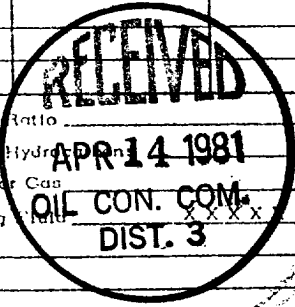
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 4-1-81			
Company Amoco Production Company				Connection El Paso Natural Gas					
Pool Basin				Formation Dakota				Unit	
Completion Date 3-11-81		Total Depth 6880		Plug Back TD 6836		Elevation 5783		Farm or Lease Name W. D. Heath "A"	
Csg. Size 4,500	Wt. 10.5	d 4,052	Set At 6881	Perforations: From 6678 To 6790		Well No. 9E			
Tub. Size 2,375	Wt. 4.7	d 1,995	Set At 6796	Perforations: From Open To Ended		Unit J	Sec. 9	Twp. 29N	Rge. 9W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru tubing		Reservoir Temp. °F ρ		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
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	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	9 days						1760		1772	
1.	2.375	.750					25		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		37	1.000	.9258	1.005	426
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 Hydrocarbon _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Gas _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R



NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1		237	56169	3126487
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0180$

AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 432$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0134$

Absolute Open Flow	432	Mcf/d @ 15.025	Angle of Slope θ	Slope, n = 75
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Remarks: med spray H₂O lite oil

Approved By Commission	Conducted By JJB	Calculated By JJ Barnett	Checked By
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