

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 2-14-85		MAR 14 1985 OIL CON. DIV. DIST. 3			
Company Amoco Production Co.				Connection El Paso Natural Gas Co.					
Pool Basin				Formation Dakota					
Completion Date 2-4-85		Total Depth 6832		Plug Back TD 6832		Elevation 5719 GR		Farm or Lease Name W.D. Heath "A"	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6780	Perforations: From 6574 To 6782				Well No. 8E	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6758	Perforations: From open To ended				Unit Sec. Twp. Rge. A 17 29 9	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At none		County San Juan			
Producing Thru tubing		Reservoir Temp. °F ●		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	8 days						1512		1535	
1.	2.875		.750				176		731	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		188	1.000	.9258	1.022	2199
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 _____ XXXXXX	
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5.					Critical Temperature _____ R _____ R	

P _c 1547 P _c ² 2393209				
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1		743	552049	1841160
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2998 \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2174$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2677$$

Absolute Open Flow 2677 Mcfd @ 15.025		Angle of Slope <u> </u>	Slope, n .75
Remarks: flared, lite oil, open hole 6780 to 6832			

Approved By Commission:	Conducted By: Joe Elledge	Calculated By: JJ Barnett	Checked By:
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