

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 3/12/81				
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 2/25/81		Total Depth 6905		Plug Back TD 6875		Elevation 5702 GL		Farm or Lease Name Heath Gas Com K	
Coq. Size 4.500	Wt. 10.5	d 4.052	Set At 6905	Perforations: From 6756 To 6792		Well No. 1E			
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 6794	Perforations: From open To ended		Unit Sec. Twp. Rge. 0 32 30 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	Gg .70	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
ID	Flow 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	10 days						1280		1285		
1.	2.375	.750					49	60 ⁰	320		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		61	1.000	.9258	1.008	704
2.							
3.							
4.							
5.							

NO.	P _f	Temp. *R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbon	_____ Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
5.					Critical Temperature _____ R	_____ R

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OIL CON. COM.

DIST. 3

NO.	P _f	P _w	P _w ²	P _f ² - P _w ²
1		332	110224	1571985
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0701$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 741$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0521$

Absolute Open Flow	741	Mcft @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By: R. A. CONNER	Calculated By: R. A. CONNER	Checked By:
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