

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE JOINT BACK PRESSURE TEST FOR 6 WELL

Form C-12
 Revised 9-1-65

☐ Initial ☐ Annual ☒ Special				Test Date 9-1-78	
Company Amoco Production Company				Connection El Paso Natural Gas Comp	
Well Langlie Mattix Queen				Formation Queen	
Completion Date 12-10-63		Total Depth 7712		Plug Back TD 3665	
Elevation 3287		Form or Lease Name State D Tract 15			
Size 4.500	Wt. 11.6	d 4.000	Set At 7712	Perforations: From 3230 To 3290	
Size 2.375	Wt. 4.7	d 1.995	Set At 3214	Perforations: From 0 To 0	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single				Packer Set At 0	
Producing Thru Tubing		Reservoir Temp. °F 94 3260		Mean Annual Temp. °F 60.0	
L 3260		H 3260		Boro. Press. - P _g 13.2	
G _g 0.705		% CO ₂ 3.03		% N ₂ 1.25	
% H ₂ S 0		Prover 0		Meter Run 4.0	
Taps Flange					

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow	
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
						178	69			2.0
4.03 x 2.000			69	2.0	72	168	69	0	0	1.0
4.03 x 2.000			70	5.0	72	150	69	0	0	0.7
4.03 x 2.000			72	9.0	70	139	69	0	0	0.7
4.03 x 2.000			74	15.0	68	129	70	0	0	0.7

Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
19.81	12.82	82.2	0.9887	1.1910	1.0081	302
19.81	20.40	83.2	0.9887	1.1910	1.0082	480
19.81	27.69	85.2	0.9905	1.1910	1.0085	653
19.81	36.17	87.2	0.9924	1.1910	1.0089	854

P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio	Mcfd/psi
0.12	532	1.39	0.984	0	
0.12	532	1.39	0.984	0	
0.13	530	1.38	0.983	0.705	
0.13	528	1.38	0.982		

P _i ²	P _w ²	P _e ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 5.2534$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 5.2534$
33	184	34	3		
27	172	30	7		
23	169	29	8		
20	172	30	7		

Absolute Open Flow 4489	Mcfd @ 15.025	Angle of Slope 0 45.0	Slope, n 1.000
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Conducted By John West Engineering	Calculated By C. C. Weaver	Checked By R. M. Bauer
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