

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-26-78	
Company Amoco Production Company			Connection El Paso Natural Gas Comp		
Tool Langlie Mattix			Formation Queen		Unit
Completion Date 12-13-77		Total Depth 3800	Plug Back TD 3565		Elevation 3294
Farm or Lease Name Myers B Federal					Well No. 26
sq. Size 5.500	Wt. 14.0	d 5.012	Set At 3600	Perforations: From 3362 To 3489	
sq. Size 2.375	Wt. 4.7	d 1.995	Set At 3390	Perforations: From 0 To 0	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At 0		Unit Sec. Twp. Rge. 1 9 24S 37E
Producing Thru Casing		Reservoir Temp. °F 95	Mean Annual Temp. °F 3415		Baro. Press. - P _a 60.0 13.2
State New Mexico					
L 3415	H 3415	Cg 0.710	% CO ₂ 0	% N ₂ 0	% H ₂ S 0
Proror 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
4.03 x 2.000			13	2.0	45	98	45	0	0	1.0
4.03 x 2.000			13	4.0	48	91	48	0	0	0.7
4.03 x 2.000			14	8.4	55	83	55	0	0	0.7
4.03 x 2.000			14	15.2	67	70	67	0	0	1.0

RATE OF FLOW CALCULATIONS						
Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Comp. Factor, F _{sp}	Rate of Flow Q, Mcfd
19.81	7.24	26.2	1.0147	1.1868	1.0034	173
19.81	10.24	26.2	1.0117	1.1868	1.0033	244
19.81	15.12	27.2	1.0048	1.1868	1.0033	358
19.81	20.33	27.2	0.9933	1.1868	1.0031	476

P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	0 Mcf/bbl.
0.04	505	1.29	0.993	A.P.I. Gravity of Liquid Hydrocarbons	0 Deg.
0.04	508	1.29	0.993	Specific Gravity Separator Gas	0.710
0.04	515	1.31	0.993	Specific Gravity Flowing Fluid	XXXXXX
0.04	527	1.34	0.994	Critical Pressure	667 P.S.I.A.
				Critical Temperature	393 °R

121.4 c ²	15	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8898$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7072$
P _t ²	P _w ²	P _w ²	P _c ² - P _w ²
12	111	12	2
11	104	11	4
9	96	9	5
7	83	7	8

Absolute Open Flow		813 Mcfd @ 15.025	Angle of Slope θ	50.0	Slope, n	0.840
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Approved By Commission	Conducted By: John West Engineering	Calculated By: CCW	Checked By: RMB
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