

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-21-78	
Company Amoco Production Company			Connection El Paso Natural Gas		
Pool Many Gates Morrow			Unit		
Completion Date 3-16-78		Total Depth 9540		Plug Back TD 9486	
Elevation 4058		Farm or Lease Name State DQ			
Csg. Size 5.500	Wt. 17.0	Set At 4.892	Perforations: From 9342 To 9350		Well No. 1
Tub. Size 2.000	Wt. 4.6	Set At 1.995	Perforations: From 0 To 0		Unit Sec. Twp. Rge. C 32 9S 30E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 9190	
Producing Thru Tubing		Reservoir Temp. °F 156 @ 9346		Mean Annual Temp. °F 60.0	
Baro. Press. - P _a 13.2		State New Mexico			
L 9346	H 9346	G _g 0.652	% CO ₂ 0.84	% N ₂ 1.10	% H ₂ S 0
Prover 0		Meter Run 4.0		Taps Flange	

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.		Temp. °F
SI							1482	85			24.0
1.	4.03 x 1.250			684	1.0	98	1273	92	0	0	1.0
2.	4.03 x 1.250			684	2.2	100	1167	94	0	0	1.0
3.	4.03 x 1.250			686	4.0	101	1083	93	0	0	1.0
4.	4.03 x 1.250			686	6.2	104	999	91	0	0	1.0
5.											

RATE OF FLOW CALCULATIONS							
NO.	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
1	7.47	26.40	697.2	0.9653	1.2384	1.0539	248
2	7.47	39.61	697.2	0.9636	1.2384	1.0532	372
3	7.47	52.88	699.2	0.9628	1.2384	1.0530	496
4	7.47	66.11	699.2	0.9602	1.2384	1.0519	618
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mc/bsl.
					0	
					A.P.I. Gravity of Liquid Hydrocarbons	0
					Specific Gravity Separator Gas	0.652
					Specific Gravity Flowing Fluid	X X X X X
					Critical Pressure	672 P.S.I.A.
					Critical Temperature	370 R

NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
	1487.7	2187			1.8474	1.8474
1	1654	1270	1612	574		
2	1393	1165	1358	829		
3	1202	1083	1174	1013		
4	1025	1001	1003	1184		
5						

Absolute Open Flow 1141 Mcfd @ 15.025 Angle of Slope @ 45.0 Slope, n 1.000

Remarks:

Approved By Commission <i>John W. Remyan</i>	Conducted By: John West Engineering	Calculated By: GRD (Amoco)	Checked By: RMB (Amoco)
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