

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-26-79		JUN 7 1979	
Company AMOCO PRODUCTION COMPANY				Connection EL PASO NATURAL GAS COMPANY			
Pool UNDESIGNATED				Formation MORROW		Unit O. C. C. ARTERIA, OFFICE	
Completion Date 1-18-79		Total Depth 13129.		Plug Back TD 13086.		Elevation 3032.	
Csg. Size 5.000		Wt. 17.9		d 4.276		Set At 13126.	
Tbg. Size 2.375		Wt. 4.7		d 1.995		Set At 11970.	
Perforations: From 12264. To 12430.				Well No. 1			
Perforations: From 0. To 0.				Unit Sec. Twp. Rge. K 22 23S 28E			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 10946.		County EDDY	
Producing Thru TUBING		Reservoir Temp. °F 204. @ 12347.		Mean Annual Temp. °F 60.0		Baro. Press. - P _a 13.2	
L 12347.		H 12347.		Ggr 0.577		% CO ₂ 0.68	
				% N ₂ 1.00		% 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							2507.	70.			46.0
1.	4.03 x 1.500			625.	5.3	60.	2085.	71.	0.	0.	1.0
2.	4.03 x 1.500			630.	6.8	62.	1915.	72.	0.	0.	1.0
3.	4.03 x 1.500			630.	10.2	63.	1735.	72.	0.	0.	1.0
4.	4.03 x 1.500			630.	13.0	66.	1557.	72.	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 Fg	Super. Comp. Factor, Fpv	Rate of Flow Q, Mcfd
1	10.84	58.10	638.2	1.0000	1.3165	1.0504	871.
2	10.84	65.94	643.2	0.9981	1.3165	1.0501	986.
3	10.84	81.16	643.2	0.9971	1.3165	1.0497	1212.
4	10.84	91.30	643.2	0.9943	1.3165	1.0487	1359.
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	0.95	520.	1.50	0.906	0.	
2	0.95	522.	1.50	0.907	0.	
3	0.95	523.	1.51	0.908		
4	0.95	526.	1.51	0.909		
5						

NO.	P _t ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n =$
1	4402.	2091.	4373.	1.6431	1.3805
2	3718.	1923.	3697.		
3	3056.	1746.	3048.		
4	2466.	1571.	2468.		
5					

Absolute Open Flow 1876. Mcfd @ 15.025				Angle of Slope 57.0		Slope, n 0.649	
Remarks:							

Approved By Commission:	Conducted By: John West Engr.	Calculated By: C.C. Weaver	Checked By: W.D. Magness
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3 - AMOCO A
1 - HOU

1 - Susp
1 - WDM

1 - D&B
1 - Roy Barton Jr.

1 - Black River Commission