

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

Form C-122
Revised 9-1-65

RECEIVED BY

MAY 01 1984

O.C.D.

ARTERIAL CONC

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-7-84	
Company AMOCO PRODUCTION CO. ✓				Connection POTASH CO.	
Pool N. SHUGART ATOKA				Formation ATOKA	
Completion Date 3-6-84		Total Depth 13446.		Plug Back TD 12542.	
				Elevation 3659.	
Csg. Size 7.625				Well No. 1	
Wt. 29.7		d 6.875		Set At 11915.	
				Perforations: From 10792. To 10814.	
Tbg. Size 2.375		Wt. 4.7		d 1.990	
				Set At 10702.	
				Perforations: From 10826. To 10832.	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple DUAL				Packer Set At 0.	
Producing Thru TUBING				County EDDY	
Reservoir Temp. °F 160.0		Mean Annual Temp. °F 60.0		Baro. Press. - P _a 13.2	
State NEW MEXICO					
L 10830.	H 10830.	Gg 0.764	% CO ₂ 0.78	% N ₂ 1.01	% H ₂ S 0.0
Prover 0.0		Meter Run 6.1		Taps FLANGE	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw'	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							1209.	60.			48.0
1.	6.06	X	3.500	10.	1.7	66.	1174.	60.	0.	0.	0.8
2.	6.06	X	3.500	10.	5.3	66.	1121.	60.	0.	0.	0.8
3.	6.06	X	3.500	11.	14.1	68.	1085.	60.	0.	0.	0.8
4.	6.06	X	3.500	13.	25.0	72.	915.	60.	0.	0.	0.8
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 Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	62.47	6.21	22.8	0.9943	1.1442	1.0028	442.
2	62.47	11.10	23.3	0.9943	1.1442	1.0029	791.
3	62.47	18.41	24.1	0.9924	1.1442	1.0030	1310.
4	62.47	25.59	26.2	0.9887	1.1442	1.0032	1814.
5.							

NO.	R _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	0.03	526.	1.30	0.994	100.0	
2	0.03	526.	1.30	0.994	55.0	
3	0.04	526.	1.30	0.994	0.764	
4	0.04	532.	1.31	0.994	0.790	
5.						

NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.7675$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.1000$
1	409.	188.	412.	82.		
2	256.	140.	300.	193.		
3	206.	116.	249.	244.		
4	162.	977.	934.	340.		
5						

Absolute Open Flow	3900.	Mcf/d @ 15.025	Angle of Slope	53.1	Slope, @	750
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Remarks:

Approved by Commission: Conducted By: Calculated By: Checked By:

Post ID-
5-11-84
Camp Atoka