

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 5-4-78		MAY 25 1978	
Company Amoco Production Company				Connection EPNG			O.C.C.	
Pool Burton Flat				Formation Morrow			Unit ARTESIA, OFFICE	
Completion Date 3-4-78		Total Depth 11979.		Plug Back TD 11939.		Elevation 3189.		Farm or Lease Name Baumgartner Fed.
Csg. Size 5.500	Wt. 17.0	d 4.892	Set At 11979.	Perforations: From 11510. To 11522.			Well No. 1	
Thq. Size 2.375	Wt. 4.6	d 1.995	Set At 11326.	Perforations: From 0. To 0.			Unit Soc. Twp. Rge. L 26 21S 29E	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single					Packer Set At 11979.		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 189 @ 11516.		Mean Annual Temp. °F 60.0		Baro. Press. - P _a 13.5		State New Mexico
L 11516.	H 11516.	G _g 0.574	% CO ₂ 1.00	% N ₂ 0.21	% H ₂ S 0.25	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							3045.	51.			64.0
1.	4.00 x 1.000			550.	2.3	60.	2472.	64.	0.	0.	1.0
2.	4.00 x 1.000			556.	11.6	61.	2275.	67.	0.	0.	1.0
3.	4.00 x 1.000			560.	27.0	69.	2260.	71.	0.	0.	1.0
4.	4.00 x 1.000			560.	51.8	64.	1870.	75.	0.	0.	1.0
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	4.75	36.00	563.5	1.0000	1.3199	1.0447	236.
2	4.75	81.28	569.5	0.9990	1.3199	1.0448	532.
3	4.75	124.44	573.5	0.9915	1.3199	1.0426	807.
4	4.75	172.36	573.5	0.9962	1.3199	1.0441	1125.
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	0.83	520.	1.49	0.916	0.	0.	0.574	XXXXXX	679.	348.
2.	0.84	521.	1.50	0.916				XXXXX		
3.	0.84	529.	1.52	0.920						
4.	0.84	524.	1.50	0.917						
5.										

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	6178.	2483.	6166.	3269.	1.6018	1.6018
2	5237.	2285.	5223.	4213.		
3	5169.	2269.	5147.	4288.		
4	3548.	1883.	3545.	5890.		
5						

Absolute Open Flow 1802. Mcfd @ 15.025				Angle of Slope 45.0		Slope, n 1.000	
Remarks:							

Approved By Commission:	Conducted By: John West Engineering	Calculated By: DJC (Amoco)	Checked By: RMB (Amoco)
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