Form C-122
Revised 9-1-65

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8-31-87	
Company: Amoco Production Co.		Connection: Vented to atmosphere			
Pool: Fowler		Formation: Upper Silurian			Unit:
Completion Date: 8-18-87	Total Depth: 11,150'	Plug Back TD: 9700		Elevation: 3247 KB	Farm or Lease Name: So. Mattix Unit Fed.
Csg. Size: 7"	Wt.: 23#	d: 6.366	Set At: 10426	Perforations: From 6960 To 7015	Well No.: 5
Tbg. Size: 2 7/8"	Wt.: 6.5#	d: 2.441	Set At: 6910	Perforations: From OPEN ENDED	Unit: H Sec.: 22 Twp.: 24S Rge.: 37E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 6871		County: LEA
Producing Thru: Tubing	Reservoir Temp. °F: 112° @ 6910	Mean Annual Temp. °F: 60°	Baro. Press. – P_a: 13.2		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6960	6960	.708	.530	3.78			4"	Flange

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					1935		PKR	CHOKE	72 Hrs.
1.	4.026 X 1.500	280	8.00	60°	1678			8/64	1 Hr.
2.	4.026 X 1.500	280	16.00	76	1514			10/64	1 Hr.
3.	4.026 X 1.500	290	15.00	81	1405			12/64	1 Hr.
4.	4.026 X 1.500	320	22.00	62	1087			15/64	1 Hr.
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	10.84	48.43	293.2	1.000	1.188	1.038	647
2.	10.84	68.49	293.2	.9850	1.188	1.034	898
3	10.84	67.44	303.2	.9804	1.188	1.035	881
4.	10.84	85.62	333.2	.9981	1.188	1.044	1149
5.							

NO.	P_t	Temp. °R	T_r	Z
1	.44	520	1.33	.928
2.	.44	536	1.37	.936
3.	.45	541	1.38	.934
4.	.50	522	1.33	.918
5.				

Gas Liquid Hydrocarbon Ratio: No fluid produced Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Deg.
Specific Gravity Separator Gas: .708 | xxxxxxxxx
Specific Gravity Flowing Fluid: xxxxx
Critical Pressure: 668 P.S.I.A. | P.S.I.A.
Critical Temperature: 392 R | R

P_c 1948.2 P_c^2 3795.5

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			2863.0	932.5
2			2337.8	1457.7
3			2016.7	1778.8
4			1220.3	2575.2
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.474

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.246

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.432

Absolute Open Flow: 1,432 Mcfd @ 15.025 | Angle of Slope θ: 60.5 | Slope, n: .568

Remarks: No fluid produced during this test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
Eddie W. Seay	W.S.	JBM	P. E. Y'Barbo JBM

Oil & Gas Inspector

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