

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☐ Initial ☐ Annual ☐ Special		Test Date 2-13-78	
Company Amoco Production Co.		Connection EPNG	
Field Empire South		Formation Morrow	
Completion Date		Total Depth 11,085'	Plug Back TD 11,045'
			Elevation 3599 Gr.
Casing Size 5 1/2"		Set At 11,085'	Perforations: From 10,918' to 10,936'
Casing Weight 23/8"		Set At 10,738'	Perforations: From open ended
Type Well - Single - Broadhead - G.C. or G.O. Multiple Single		Packer Set At 10,726'	Form or Lease Name Empire South Deep Unit
Producing thru Tubing		Reservoir Temp. °F 174 @ 10,950'	Well No. 16
		Mech Annual Temp. °F 60	Unit Sec. Top. Hgt. 6 7 185 29E
		Soro. Press. P_0 13.2	County Eddy
		% CO ₂	State New Mexico
		% N ₂	Meter Run 4"
		% H ₂ S .16 Gr./100	Tags Flange

Date	Time	°F Amb.	°F WH	D.W. PSI	Heater °F	Sep. °F	Diff	Sep. PSI	Choke	Remarks
2-13-78	8:45 AM		40	2970						
	9:15		40	2970						open choke. light heater
	9:30		43	2745						Begin Test
	9:45		45	2753		46	4.0	675		
	10:00		54	2705		22	4.8	668		
	10:15		57	2745		20	5.3	652		
	10:30		58	2760		26	5.8	642	2" orifice	End Rate I
	10:45		60	2690		42	9.6	632		
	11:00		60	2695		56	10.2	630		
	11:15		60	2697		59	10.2	630		
	11:30		62	2699		60	10.2	630	2" orifice	End Rate II
	11:45 AM		62	2604		60	17.7	628		
	12:00		64	2624		60	16.9	640		
	12:15 PM		63	2632		60	16.9	640		
	12:30		63	2634		60	16.8	640	2" orifice	End Rate III
	12:45		63	2450		56	32.5	650		
	1:00		64	2456		56	32.5	650		
	1:15		64	2458		55	32.5	655		
	1:30		64	2452		56	32.5	658	2" orifice	End Rate IV

made 7.5 Bbl Condensate

API Grav. 59 @ 60°