

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 10-8-85	
Company Amoco Production Co.		Connection El Paso Natural Gas Co.	
Pool Basin		Formation Dakota	
Completion Date 8-16-85		Total Depth 6873'	Plug Back TD 6829'
Elevation 6305' GL		Farm or Lease Name C. A. McAdams "B"	
Coq. Size 7.000	Wt. 23	d 6.366	Set At 6873'
Perforations: From 6572' To 6690'		Well No. 2E	
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 6712'
Perforations: From Open To Ended		Unit Sec. Twp. R. 10 B 20 27 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual		Packer Set At 6418'	
Producing Thru Tubing		County San Juan	
Reservoir Temp. °F #		State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _a	
L	H	G _q	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps

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.	
SI	7 Days						550		X	
1.	2.375		.500				125		X	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mc/d
1	5.4315		137	1.000	.9258	1.016	700
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	NOV 01 1985	Mc/bsl.
1					A.P.I. Gravity of Liquid Hydrocarbons		Deg.
2.					Specific Gravity Separator Gas	OIL CON. DIV.	X X X X X X X X
3.					Specific Gravity Flowing Fluid	DIST. 3	X X X X X
4.					Critical Pressure	P.S.I.A.	P.S.I.A.
5.					Critical Temperature	R	R

P _c 562	P _c ² 315844	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.1287$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.0805$
NO. 1	P _w 176	P _w ² 30976	P _e ² - P _w ² 284868
2.			
3.			
4.			
5.			

Absolute Open Flow 756		Mold # 15.025	Angle of Slope θ	Slope, n .75
Remarks: Flared, Lite H ₂ O, Medium Oil				
Approved By Division	Conducted By Bryan Services	Calculated By J. J. Barnett	Checked By	

