

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 04 03 80			
Company AMOCO PRODUCTION CO.				Connection GALLEGOS GATHERING SYSTEM					
Pool BASIN				Formation DAKOTA				Unit	
Completion Date 03 14 80		Total Depth 6093		Plug Back TD 6058		Elevation 5402 GL		Farm or Lease Name GALLEGOS CANYON UNIT	
Co. Size 4.500	Wt. 11.6	d 4.000	Set At 6093	Perforations: From 5848 To 5949		Well No. 110E			
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 5953	Perforations: From open To ended		Unit I	Sec. 19	Twp. 29	Rge. 12
Type Well - Single - Brdenhead - G.C. or G.O. Multiple SINGLE						Packer Set At NONE		County San Juan	
Producing Thru TUBING		Reservoir Temp. *F 8		Mean Annual Temp. *F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% 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.		Temp. *F
SI	10 days						745		1100		3 hrs
1.	2.375	.750					34		367		
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		46	1.000	.9258	1.005	520
2.							
3.							
4.							
5.							

NO.	P _t	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1314$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0970$
1		379	143641	1092903		
2						
3						
4						
5						

Absolute Open Flow 580 Mcfd @ 15.025				Angle of Slope @ .75	
Remarks					

Approved by Division	Conducted By JJB	Calculated By J J BARNETT	Checked By B E FACKRELL
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