

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 04 30 80			
Company AMOCO PRODUCTION CO.				Connection EL RASO NATURAL GAS CO.					
Pool BASIN				Formation DAKOTA				Unit	
Completion Date 03 23 80		Total Depth 6261		Plug Back TD 6259		Elevation 5547 GL		Farm or Lease Name BRUINGTON GAS COM B	
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 6261	Perforations From 6044 To 6250		Well No. 1E			
Tiq. Size 2.375	Wt. 4.7	d 1.995	Set At 6248	Perforations From open To ended		Unit 0	Sec. 15	Twp. 29	Rge. 12
Type Well - Single - Bradenhead - G.G. 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	12 days						820		864		3 hrs
1.	2.375	.750					38		327		
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		50	1.000	.9258	1.006	576
2.							
3.							
4.							
5.							

NO.	P ₁	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 _____ XXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P ₁ ²	P _w	P ₁ ²	P ₁ ² - P _w ²	(1) $\frac{P_c^2}{P_1^2 - P_w^2} =$	(2) $\frac{P_c^2}{P_1^2 - P_w^2} =$
1		339	114921	652455	1.1761	1.1294
2						
3						
4						
5						

AOG = Q $\left[\frac{P_1^2}{P_1^2 - P_w^2} \right]^n =$ **651**

MAILED
MAY 13 1980
OIL CON. COM.
DIST. 3

Absolute Open Flow 651	Mcf @ 15.025	Angle of Slope	Slope, n .75
Remarks			

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