

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 02 06 80	
Company AMOCO PRODUCTION COMPANY		Connection EL PASO NATURAL GAS COMPANY	
Pool BASIN		Formation DAKOTA	
Completion Date 04 14 80		Total Depth 6462	Plug Back TD 6430
		Elevation 5488 GL	
Form or Lease Name BLACK GAS COM			
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 6456
Perforations: From 6250 To 6358		Well No. 1E	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6353
Perforations: From open To ended		Unit Sec. Twp. Rye. G 29 29 10	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple SINGLE		Packer Set At NONE	
Producing Thru		County SAN JUAN	
Reservoir Temp. °F p		State NEW MEXICO	
Mean Annual Temp. °F		Baro. Press. - P _a	
L	R	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.	
SI	80 days						1260		1260	
1.	2.375	.750					57		304	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1	12.365		69	1.000	.9258	1.008	796
2.							
3.							
4.							
5.							

NO.	P _r	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 _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1272	P _c ² 1617984	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.0658$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.0489$
NO.	P _r ²	P _w	P _w ²
1		316	99856
2			
3			
4			
5			

Absolute Open Flow 835 Mcfd @ 15.025		Angle of Slope .75
Remarks:		

Approved by Division	Conducted by:	Calculated by:	Checked by:
		T T RADNETT	R E WACKRELL

