

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 03 06 80			
Company A 1000 PRODUCTION COMPANY				Connection EL PASO NATURAL GAS COMPANY					
Pool BASIN				Formation DAKOTA				Unit	
Completion Date 02 13 80		Total Depth 6851		Plug Back TD 6851		Elevation 5592 GL		Farm or Lease Name Gutierrez Gas Com B	
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 6894	Perforations From 6572 To 6778			Well No. 1E		
Tiq. Size 2.375	Wt. 4.7	d 1.995	Set At 6736	Perforations From open To ended			Unit Sec. Twp. Rye. I 4 29N 9W		
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	
1	2.375		.750				1600		1795		3 hrs
2							58		542		
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		70	1.000	.9258	1.009	809
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

NO.	P _r	P _w	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	1807	554	3265249	2958333	1.1037	1.0768
2						
3						
4						
5						

Absolute Open Flow 871 Mcfd @ 15.025		Angle of Slope @ 75
Remarks _____		

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