

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form G-121
Rev. 1-1-64

☒ Multi-point		☐ Annual		☐ Special		Test Date 9-12-66	
Owner El Paso Oil & Gas Company				Connection El Paso Natural Gas			
Formation Fruitland				City 			
Well No. 1-8-10		Total Depth 3260		Plug Back TD 8232		Elevation 6627' sea	
Perforations: From 8252 To 8440		Perforations: From 8440 To 8440		Perforations: From 8440 To 8440		Form or Lease Form 	
Perforations: From 8440 To 8440		Perforations: From 8440 To 8440		Perforations: From 8440 To 8440		Well No. #1	
Perforations: From 8440 To 8440		Perforations: From 8440 To 8440		Perforations: From 8440 To 8440		Unit Sec. Twp. Rpt. N 46 22	
Pressure - G.G. or G.O. Multiple 				Packer Set At 5840		County San Juan	
Reservoir Temp. °F 		Mean Annual Temp. °F 		Buro. Press. - P₀ 		State New Mexico	
Grav. % CO₂ 		% N₂ 		% H₂S 		Prover 	
Meter Run 		Temp. 		Prover 		Temp. 	

FLOW DATA							TUBING DATA		GAS, G DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. psia/g.	Diff. hw	Temp. °F	Press. psia/g.	Temp. °F	Press. psia/g.	Temp. °F	
	1		3/4				1884		1884		
1.							154		154		
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (1/4 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, Mscf
1.	11.208		188	1.0000	.9258	1.0000	1660
2.							
3.							
4.							
5.							

NO.	P ₀	Temp. °R	T ₀	Z	Gas Liquid Hydrocarbon Ratio _____ Mol/cu ft.
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
					Specific Gravity Separator Gas _____ X X X X X X X X X
					Specific Gravity Flowing Fluid _____ X X X X X
					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
					Critical Temperature _____ R _____ R

$P_c^2 = 1.2874$ $P_c^2 - R_w^2 = 1493952$	$(1) \frac{P_c^2}{P_c^2 - R_w^2} = 1.2874$	$(2) \left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0007$
$Q = 1660$	$Q = 1660$	$Q = 1660$

Well No. 1-8-10	Field # 15.025	Angle of Slope
Conducted By:	Calculated By:	Checked By:

