

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-25-85							
Company El Paso Natural Gas				Connection							
Pool Basin				Formation Dakota							
Completion Date 7-25-85		Total Depth 6714		Plug Back TD 6670							
				Elevation 6554 GR							
Farm or Lease Name Huerfano Unit											
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6713	Perforations: From 6508 To 6657							
Tag. Size 2.375	Wt. 4.7	d 1.995	Set At 6658	Perforations: From To							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None							
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F							
				Baro. Press. - P _a 12							
				State New Mexico							
L	H	Gg .700	% CO ₂	% N ₂	% H ₂ S						
				Prover							
				Meter Run							
				Taps							
FLOW DATA											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.			.750	133		80	984		1343		7 Days
2.							133		463		3 Hrs.
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		145	.9813	.9258	1.015	1653				
2											
3											
4											
5											
RECEIVED											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1					A.P.I. Gravity of Liquid Hydrocarbon _____ Deg.						
2					Specific Gravity Separator Gas _____						
3					Specific Gravity Flowing Fluid _____						
4					Critical Pressure _____ P.S.I.A.						
5					Critical Temperature _____ R						
P _r 1355 P _w 1836025											
NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{1836025}{1610400}$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1033$						
1		475	225625	1610400							
2											
3											
4											
5											
ACF = Q					$\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1824$						
Absolute Open Flow 1824					Mcf/d @ 15.025				Angle of Slope @ _____		
									Slope, n = .75		
Remarks: Produced med. spray oil & water throughout test. Gas vented during test = 255 MCF.											
Approved By Commission:			Conducted By: Joe Gillentine			Calculated By: Ed Mabe			Checked By: kld		