

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

Form C-122
Revised 9-1-65

RECEIVED
SEP 03 1985
OIL CON. DIV
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-30-85	
Company El Paso Natural Gas				Connection			
Pool Basin				Formation Dakota		Unit	
Completion Date 8-30-85		Total Depth 7795		Plug Back TD 7783		Elevation 6563 GR	
Csg. Size 4.500		Wt. 10.5		Set At 4.052 7795		Perforations: From 7535 To 7747	
Teg. Size 1.900		Wt. 2.9		Set At 1.610 7730		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	
L		H		Gg		Prover	
				.700		Meter Run	
				% CO ₂		% H ₂ S	
				% N ₂		Taps	
FLOW DATA							
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Duration of Flow
1.			.750	124		64	7 Days
2.							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		136	.9962	.9258	1.017	1577
2.							
3.							
4.							
5.							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ R		
1							
2							
3							
4							
5							
P _r 2052 P _w 4210704 (1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{4210704}{3254220}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.21319$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1913$							
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²			
1		978	956484	3254220			
2							
3							
4							
5							
Absolute Open Flow 1913 Mcfd @ 15.025					Angle of Slope θ _____ Slope, n .75		
Remarks: Unloaded slugs of liquid during test. Gas vented during test = 242 MCF.							
Approved by Commission:		Conducted By: Harold Cloer		Calculated By: Cliff Brock		Checked By: kld	