

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

Form C-122
Revised 9-1-65

RECEIVED
AUG 28 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-26-85	
Company El Paso Natural Gas		Connection	
Pool Basin		Formation Dakota	
Completion Date 8-26-85	Total Depth 6500	Plug Back TD 6487	Elevation 5836 GR
Form or Lease Name Pinon Mesa A		Well No. #1E	
Csg. Size 4.500	Wt. 10.5	a 4.052	Set At 6500
Perforations: From 6297 To 6444		Well No. #1E	
Tbg. Size 2.375	Wt. 4.7	a 1.995	Set At 6437
Perforations: From To		Unit Sec. Twp. Rge. 0 36 31 14	
Type well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	County San Juan
Producing Thru Tbg	Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a 12
State New Mexico			
L	H	G _g .700	% 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	
SI							1750		1805		7 Days
1.			.750	213		85	213		592		3 Hrs.
2.											
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcd
1	12.365		225	.9768	.9258	1.025	2579
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 _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _r 1817	P _w ² 3301489	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3301489}{2936673}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0918$		
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	
1		604	364816	2936673	
2					
3					
4					
5					

Absolute Open Flow 2816 Mcd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: Gas vented during test = 458 MCF.			
Approved by Commission:	Conducted By: Bob Harie	Calculated By: Ed Mabe	Checked By: kld