

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 1-27-83	
Company El Paso Natural Gas Company			Connection El Paso Natural Gas Company		
Pool Aztec			Formation Pictured Cliffs		Unit
Completion Date 1-13-83		Total Depth 5240		Plug Back TD 5120	Elevation 5949 Gr
Csg. Size 7.000		Wt. 20	d 6.456	Set At 2677	Perforations: From *2362 To 2375
Tub. Size 1.600		Wt. 2.4	d 1.380	Set At 2348	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 2525	Form or Lease Name Crandell
Producing Thru Csg.		Reservoir Temp. °F θ		Mean Annual Temp. °F	Baro. Press. - P _a 12
L	H	G _g .670	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	
FLOW DATA			TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1			.750	242	67
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
1	12.365		254	.9933	.9463
2					
3					
4					
5					
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio
1					A.P.L. Gravity of Liquid Hydrocarbons
2					Specific Gravity Separator Gas
3					Specific Gravity Flowing Fluid
4					Critical Pressure
5					Critical Temperature
691 P_c^2 477481 NO. P_1^2 P_w^2 $P_w^2 - P_1^2$ 1 264 69696 407785 2 3 4 5					
(1) $\frac{P_c^2}{P_w^2 - P_1^2} = \frac{477481}{407785}$ (2) $\left[\frac{P_c^2}{P_w^2 - P_1^2} \right]^n = 1.1435$ AOF = Q $\left[\frac{P_c^2}{P_w^2 - P_1^2} \right]^n = 3457$					
Absolute Open Flow 3,457 Mcld @ 15.025 Angle of Slope 85					
Remarks: * 4.500" Liner 2516' - 5135'					
Approved by Division		Conducted By:		Calculated By:	
		Bob Haire		Ed Mabe	
				Checked By:	

RECEIVED

JAN 31 1983

OIL CON. DIV.

DIST. 3