

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 3-17-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Aztec				Formation Pictured Cliffs				Unit	
Completion Date 2-22-81		Total Depth 4906		Plug Back TD 4887		Elevation 5663 GL		Farm or Lease Name Lackey A	
Csq. Size 7.000	Wt. 20	d 6.456	Set At 2513	Perforations: From 2177 To 2240				Well No. #1R	
Tag. Size 1.660	Wt. 2.4	d 1.380	Set At 2228	Perforations: From To				Unit Sec. Twp. Rge. A 12 29 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 2381		County San Juan	
Producing Thru Tbg. L		Reservoir Temp. °F H		Mean Annual Temp. °F Gg		Baro. Press. - P _a 12		State New Mexico	
		Gg 0.625		% 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							763		770		23 Days
1.	Blow Nipple 2"			4		59					3 Hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							1236
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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.										

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} =$
1		332	110224	501300	1.2199	1.1840
2						
3						
4						
5						

Absolute Open Flow 1463 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: Vented 189 MCF Gas During The Test.

Approved By Division	Conducted By: Bobby Haire	Calculated By: H. E. McAnally	Checked By:
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