

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 11/14/85	
Company Union Texas Petroleum			Connection El Paso Natural Gas Co.		
Pool Blanco			Formation Pictured Cliffs		Unit
Completion Date 10/18/85		Total Depth 3430		Plug back TD 3391	
Elevation 64536.2		Farm or Lease Name Johnston Federal			
Csg. Size 2.875	Wt. 6.50	d 2.441	Set At 3403	Perforations: From 3259 To 3277	
Thg. Size no tubing		d	Set At	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At N/A	
Producing Thru Casing		Reservoir Temp. °F 8		Mean Annual Temp. °F	
Baro. Press. - P _g 12		State New Mexico			
L 3247	H	G _g 0.650	% 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	2		3/4"						1100		7 days
1.									140	81°	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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		152	0.9804	0.9609	1.009	1786
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	NOV 21 1985
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _c	P _w	P _r	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$
1	1112	152	23104	1213440	1.0190	1.0161
2						
3						
4						
5						

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope @ _____		Slope, n 0.85	
Remarks: _____							
Approved By Division		Conducted By: Connie		Calculated By: Barbara		Checked By:	