

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12/2/83	
Company Union Texas Petroleum Corp.				Connection Southern Union Gathering Company		
Pool Aztec				Formation Pictured Cliffs		Unit
Completion Date 11/4/83		Total Depth 6485		Plug Back TD 6449		Elevation 5650
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 6485	Perforations: From 1844 To 1880		Well No. 18
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. M 11 28N 10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At -----		County San Juan
Producing Thru Casing		Reservoir Temp. °F 6		Mean Annual Temp. °F		State New Mexico
L 1834	H	Gg 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"						293		14 days
1.									121	60°	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		133	1.000	0.9608	1.012	1599
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Ubl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ OILCON. DIV.
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 305	P _c ² 93,025	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2889$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2407$
NO.	P _w	P _w ²	P _c ² - P _w ²
1		20,853	72,172
2			
3			
4			
5			

Absolute Open Flow 1984		Mold # 15.025	Angle of Slope 6	Slope, n 0.85
Remarks:				
Approved By Commission		Conducted By Bennie Brown	Calculated By Ken Roddy	Checked By