

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1975

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/24/82	
Company Union Texas Petroleum Corp.			Connection E.P.N.G. Company		
Pool Basin			Formation Dakota		Unit
Completion Date 8/5/82		Total Depth 6385		Plug Back TD 6336	Elevation 5610
Csg. Size 4.500		Wt. 10.50	d 4.052	Set At 6381	Perforations: From 6115 To 6223
Tbg. Size 2.375		Wt. 4.70	d 1.995	Set At 6233	Perforations: From 6197 To 6203
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -----	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12	
Baro. Press. - P _a 12		County San Juan		State New Mexico	
L 6187	H	Gg 0.700	% 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	2"		3/4"				1472		1530		7 days
1.							185	83°	551		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		197	0.9786	0.9258	1.020	2251
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 _c 1542	P _c ² 2,377,764	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1538$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1132$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	563	316,969	2,060,795
2.			
3.			
4.			
5.			

Absolute Open Flow 2506		Mcf @ 15.025	Angle of Slope @ _____	Slope, n 0.75
Remarks: _____				
Approved by Commission	Conducted By Floyd Woodward	Calculated By Ken Roddy	Checked By	