

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P O BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1/14/87	
Company Union Texas Petroleum Corp.			Connection Southern Union Gathering Co.		
Pool Basin			Formation Dakota		
Completion Date 12/23/86		Total Depth 7000		Plug Back TD 6944	
				Elevation 5785 GL	
Farm or Lease Name Haynie				Well No. 2M	
Casing Size 7.675		ID 26.4		Perforations: From 6684 To 6788	
Casing Weight 5.500		Set At 2458-5986			
Tubing Size 1.900		ID 2.90		Perforations: From 6721 To 6727	
		Set At 6752			
Type Well - Single - Brindenned - G.C. or G.O. Multiple Gas - Gas Multiple				Packer Set At 4850	
Producing Thru Tubing		Reservoir Temp. °F 8		Baro. Press. - P _g 12	
		Mean Annual Temp. °F		State New Mexico	
L 4503		H 0.670		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"				1873				14 Days
1.							190	62°			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, F _{sp}	Rate of Flow Q, Mcfd
1	12.3650		202	0.9981	0.9463	1.022	2411
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

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	1885	693	480,249	3,072,976	1.1563	1.1150
2.						
3.						
4.						
5.						

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope @ _____ Slope, n _____	
Remarks: _____					
Approved By Division		Conducted By: <u>O. Cliff Gates</u>		Calculated By: <u>John C. Rector</u>	
				Checked By: _____	