

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6/27/84		JUL 09 1984	
Company Union Texas Petroleum Corp.				Connection Southern Union Gathering Co.				OIL CON. DIV.	
Pool Basin				Formation Dakota				UNIT 3	
Completion Date 5/18/84		Total Depth 6960		Plug Back TD 6912		Elevation 5791		Farm or Lease Name Wright State Com.	
Csg. Size 7.000	Wt. 23.00	d 6.366	Set At 6959	Perforations: From 6680 To 6907		Well No. 1-E			
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 6903	Perforations: Open-Ended		Unit I	Sec. 36	Twp. 32N	Rge. 13W
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual - Gas - Gas						Packor Set At 6458		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 6892	H	Gg 0.700	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Hun	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"				1850				7 days
1.							230	72°			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		242	0.9887	0.9258	1.027	2813
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 1862 P _c ² 3,467,044	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0830$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0616$
NO P _r P _w P _w ² P _c ² - P _w ²		
1 265,612 3,201,432		
2		
3		
4		
5		

Absolute Open Flow 2986 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.75
Remarks:		
Approved By Commission	Conducted By: Rod Taylor	Calculated By: Ken Roddy
Checked By:		