

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 6/27/84				
Company Union Texas Petroleum Corp.					Connection Southern Union Gathering Company				
Pool Basin					Formation Dakota				
Completion Date 6/11/84		Total Depth 6840		Plug Back TD 6802		Elevation 5929		Farm or Lease Name Federal	
Csg. Size 4.500	Wt. 11.60	d 4.000	Set At 6840	Perforations: From 6564 To 6734		Well No. 1-F			
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 6713	Perforations: Open Ended		Unit Sec. Twp. Rge. J 18 30N 12W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single					Packer Set At -----		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 6551	H	G _g 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"				1436		1590		7 days
1.							232	82°	681		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		244	0.9795	0.9258	1.024	2802
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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 1602	P _c ² 2,566,404	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2302$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1680$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	693	480,249	2,086,155
2			
3			
4			
5			

AOR = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3273$

Absolute Open Flow 3273	Mcf @ 15.025	Angle of Slope @ _____	Slope, n 0.75
-------------------------	--------------	------------------------	---------------

Remarks: _____

Approved By Commission	Conducted By Gary Payne	Calculated By Ken Roddy	Checked By
------------------------	-------------------------	-------------------------	------------

