

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 WELLS

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8/13/87	
Company Union Texas Petroleum Corp.		Connection Gas Co. of New Mexico	
Pool Blanco		Formation Mesaverde	
Completion Date 7/18/87	Total Depth 4620	Plug back TD 4569	Elevation 6171 GL
Farm or Lease Name Starr		Well No.	
Cp: 600 4.500	Wt. 23.0 10.5	d 6.366 4.052	Set At 2274 2062-4614
Perforations: From 4275 To 4344		Well No. 4A	
Perforations: From 4294 To 4300		Unit Sec. Twp. Rye. J 6 26N 8W	
Type Well - Single - Brdenhead - G.C. or G.O. Multiple Single - Gas		Packer Set At	
Producing Thru Tubing		Baro. Press. - P _g 12	
County San Juan		State New Mexico	
L 4294	H	G _g 0.680	% 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"				580		576		8 Days
1.							55	68°	330	68°	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	12.3650		67	0.9924	0.9393	1.007	778
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	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1	592	342	350,464	116,964	233,500
2.					
3.					
4.					
5.					

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.5009$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.3560$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1055$

Absolute Open Flow _____ 1055 _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n _____ 0.75
Remarks: _____		
Approved By Division _____	Conducted By: _____ Connie Clevenger	Calculated By: _____ John C. Rector
Checked By: _____		