

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 5-20-76	
Company Great Lakes Chemical Corporation				Connection			
Pool San Juan Undesignated Chacra				Formation Chacra		Unit	
Completion Date 5-13-76		Total Depth 4650		Plug Back TD 4605		Elevation 5973	
Farm or Lease Name Graham				Well No. 1A			
Csq. Size 5 1/2	Wt. 15.50	d 4.950	Set At 4650	Perforations: From 3152 To 3162		Unit Sec. Twp. Rge. P 4 27 8	
Thq. Size 1 1/4	Wt. 2.40	d 1.380	Set At 3150	Perforations: From 3130 To 3120			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Gas Dual				Packer Set At 4391		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 119° @ 4650		Mean Annual Temp. °F		Baro. Press. - P _a New Mexico	
L 3150	H 3150	Gg .65 EST	% 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	
1.							857		857		
2.											
3.	3/4" Pos. Choke			74		60			325		3 Hours
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.							
2.							
3.	12.365		86	1.000	.9608	1.166	1191
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 869	P _c ² 755161	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1770$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1300$
NO.	P _t ²	P _w	P _w ²
1.			
2.			
3.		337	113569
4.			
5.			

Absolute Open Flow 1346 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.75
Remarks: _____			
Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Minerals Management Inc.	Barnes	Snell