

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 Blanco Mesaverde				Formation Mesaverde		Unit
Completion Date 05-13-76		Total Depth 4650		Plug Back TD 4605		Elevation 5973 GR
Farm or Lease Name Graham						Well No. 1A
Csg. Size 5 1/2	Wt. 15.50#	d 4.950	Set At 4650	Perforations: From 4438 To 4604		Unit Sec. Twp. Rge. P 4 27 8
Tbg. Size 1 1/2	Wt. 2.75	d 1.610	Set At 4493	Perforations: From Open-Ended To		County San Juan
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Gas Dual				Packer Set At 4391		State New Mexico
Producing Thru Tubing		Reservoir Temp. °F 119 @ 4650		Mean Annual Temp. °F		Meter Run 4493
L 4493	H 4493	Gg 0.65 EST	% CO ₂	% N ₂	% H ₂ S	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							943				
1.											
2.											
3.	3/4" Pos. Choke			177		60	177				3 Hrs.
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		189	1.000	.9608	1.016	2281
4							
5							

NO.	P _t	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 _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5017$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3566$
1						
2						
3		552	304704	607321	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3094$	
4						
5						

Absolute Open Flow _____ 3094 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____ 0.75 _____
Remarks: _____		
Approved By Commission:	Conducted By: Minerals Management Inc.	Calculated By: Barnes
		Checked By: Snell