

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 11/28/77	
Company Atlantic Richfield Company				Connection None			
Pool Largo Chacra				Formation Chacra		Unit	
Completion Date 11/15/77		Total Depth 4720		Plug Back TD 4669		Elevation 6048 GL	
Farm or Lease Name Graham "C"WN Fed Com							
Csg. Size 5 1/2"	Wt. 15.5#	d 4.950	Set At 4719	Perforations: From 3162 To 3196		Well No. 1-A	
Tbg. Size 1.90	Wt. 2.76#	d 1.610	Set At 3177	Perforations: From To		Unit Sec. Twp. Rge. 0 9 27N 8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple				Packer Set At 3875		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F #		Baro. Press. - P _a 12.0	
State New Mexico							
L 3177	H 3177	Gg .69(est)	% CO ₂	% N ₂	% H ₂ S	Prover 2"	Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover 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							976		976		13 days
1.	2" X 0.750"			65		52	114		231		3 hrs
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	9.453		77	1.005	1.204	1.010	890
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	0.12	512	1.32	.980	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas .690 (est) XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure 669 P.S.I.A. P.S.I.A.
5.					Critical Temperature 388 R R

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	988	976144	218	47423	928721	1.0511	1.0381
2							
3							
4							
5							

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 924

Absolute Open Flow 924 Mcfd @ 15.025

Angle of Slope @ DIST. 3 Slope, n 0.750

Remarks: Well tested thru 48/64 choke.

Approved By Commission:	Conducted By: Rex Hitchcock, Jr.	Calculated By: Rex Hitchcock, Jr.	Checked By:
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