

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

OCT 9 1979

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-24-79		Casper	
Company Getty Oil Company				Connection Not Connected		E & P Dept.	
Pool Harris Mesa				Formation Chacra		Unit	
Completion Date 9-15-79		Total Depth 3280		Plug Back TD 3240		Elevation 5963	
Firm or Lease Name John Charles				Well No. 8			
Csg. Size 4.500	Wt. 9.50	d 4.090	Set At 3278	Perforations: From 2931 To 3105		Unit Sec. Twp. Rge. B 13 27N 9W	
Tbg. Size 1.900	Wt. 2.900	d 1.610	Set At 3058	Perforations: From Open To Ended			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At		County San Juan	
Producing Thru tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
State New Mexico							
L 3058	H 3058	Gg .650	% CO ₂	% N ₂	% H ₂ S	Prover 2.000	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							1008		1011		168 hr. SI
1.	2.000	X	.750				102	60	515		1st hr.
2.	2.000	X	.750				82	60	402		2nd hr.
3.	2.000	X	.750				72	60	369		3rd hr.
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	11.00		114	1.000	1.240	1.008	1567
2	11.00		94	1.000	1.240	1.008	1282
3	11.00		84	1.000	1.240	1.008	1146
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

P _c 1023	P _c ² 1046529	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.161$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1184$
NO.	P _r ²	P _w	P _w ²
1			
2			
3	7056	381	145161
4			
5			

ACF = 0 $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1281$

Absolute Open Flow 1,281 Mcfd @ 15.025		Angle of Slope @ _____	Slope, n .750
Remarks: _____			
Approved By Commission:	Conducted By: Mark Kramer	Calculated By: Paul D. Bernhost	Checked By: