

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 9-20-78	
Company Gatty Oil Company				Connection Not Connected			
Pool Blanco				Formation Mesa verde			
Completion Date 9-8-78		Total Depth 4470		Plug Back TD 4380		Elevation 5549	
Farm or Lease Name Hanley "B"				Well No. 1			
Core Size 4.5	Wt. 11.6	d 4.00	Set At 4437	Perforations: From 3764 To 4339		Unit Sec. Twp. Rge. N 18 - 29N - 10W	
7.00	23.0	6.370	3140	Perforations: From opened To ended		County San Juan	
2.375	1.70	1.995	1136	Packer Set At		State New Mexico	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single gas				Producing Thru tubing			
Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12		Meter Run 2.000	
L 4136	H 4136	G _g .720	% CO ₂	% N ₂	% H ₂ S	Prover	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.	2.000 x .750						1290				192 HRSI
2.	2.000 x .750						292	60			1 st hr.
3.	2.000 x .750						166	60			2 nd hr.
4.							148	60			3 rd hr.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	11.00		304	1.000	1.179	1.040	4100
2.	11.00		178	1.000	1.179	1.021	2357
3.	11.00		160	1.000	1.179	1.020	2117
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 1302	P _w 1695204	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0646$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0480$
NO. 1	25600	321	102853
2			
3			
4			
5			

Absolute Open Flow 2,219 Mcfd @ 15.025		Angle of Slope 75
Remarks: This AOF was ran in conjunction with the first half of required Initial Packer Leakage Test. This being the lower zone, the upper zone is Chacra.		
Approved By Commission:	Conducted By: Yazzie & Berhost	Calculated By: Paul Berhost
		Checked By: R. P. Hergenreter