

**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 3-10-73	
Company Getty Oil Company				Connection as furnished		
Pool al-1100				Formation as Varde		Unit
Completion Date 7-27-73		Total Depth 4550		Plug Back TD 4476	Elevation 5613	Farm or Lease Name Hanley "A"
Csq. Size 4.5	Wt. 11.6	d 4.000	Set At 4511	Perforations: From 1396 To 4449		Well No.
Thd 2.375	Wt 23.0	d 5.375	Set 4203	Perforations: From open To opened		Unit Sec. Twp. Rge. P 18 29N 10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At 3108		County San Juan
Producing Thru tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12		State New Mexico
L 4203	H 3026	Gg 720	% 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	
SI							1165				
1.	2.000	x	.750				167	60			1 hr.
2.	2.000	x	.750				126	60			2 hr.
3.	2.000	x	.750				123	60			3 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		179	1.000	1.179	1.069	2.481
2	11.00		138	1.000	1.179	1.068	1.911
3	11.00		135	1.000	1.179	1.040	1.821
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

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.050$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.043$
1	18225	275	76000	1309349		
2						
3						
4						
5						

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.879$

Absolute Open Flow 1399 Mcfd @ 15.025		Angle of Slope θ _____ Slope, n .75	
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Remarks: **this test as run in conjunction with the first half of required initial packer leak ge test. This being the lower zone, the upper zone is ch-cr.**

Approved By Commission:	Conducted By: R. P. Herzenreuter	Calculated By: R. P. Herzenreuter	Checked By:
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