NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 1-12-81	
Company: Getty Oil Company	Connection: ot Connected			Unit
Pool: Basin	Formation: Dakota			
Completion Date: 12-31-80	Total Depth: 6825	Plug Back TD: 6782	Elevation: 6429 G.L.	Farm or Lease Name: Fanning E
Csg. Size: 5.500 / Wt.: 15.5 / d: 4.950 / Set At: 6825		Perforations: From 6565 To 6774		Well No.: 35
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6644		Perforations: From 6639 To 6643		Unit: E / Sec.: 2 / Twp.: 24N / Rge.: 6W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas Single		Packer Set At: 6000		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico
L: 6624 / H: 6624	Gg: .720	% CO_2	% N_2 / % H_2S	Prover: 2.000 / Meter Run / Taps

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					1362		1362		264 HRS
1.	2.000 x .750				677	63			1 HR
2.	2.000 x .750				660	64			2 HR
3.	2.000 x .750				649	64			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		669	0.9971	1.179	1.098	9784
2.	11.00		672	0.9962	1.179	1.095	9739
3.	11.00		661	0.9962	1.179	1.093	9734
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____ 3
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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DIST. 3

P_c 1874 P_c^2 3511476

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	436921	1641	2693464	818012
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.2911$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.9814$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 27,329$

Absolute Open Flow 27,329 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Paul E. Bernost	Paul E. Bernost	