W MEXICO OIL CONSERVATION COM SION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [x] Initial [ ] Annual [ ] Special			Test Date: 3-23-81	
Company: Getty Oil Co.	Connection: Not Connected			
Pool: Basin	Formation: Dakota		Unit	
Completion Date: 3-12-81	Total Depth: 6500	Plug Back TD: 6455	Elevation: 5585 G.L.	Farm or Lease Name: Mexico Fed. "N"
Csg. Size: 5.500 / Wt.: 15.5 / d: 4.950 / Set At: 6498	Perforations: From 6238 To 6393			Well No.: 1 E
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 6327	Perforations: From Open To Ended			Unit: L / Sec.: 15 / Twp.: 29N / Rge.: 11W
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: 6327 / H: 6327 / Gg: .690	% 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					1175		1175		192 Hr. S.I.
1.	2.000 x .750				313	60	721		1st Hr.
2.	2.000 x .750				265	60	634		2nd Hr.
3.	2.000 x .750				235	60	586		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	11.000		325	1.000	1.204	1.039	4472
2.	11.000		277	1.000	1.204	1.032	3786
3.	11.000		247	1.000	1.204	1.026	3356
4.							
5.							

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DIST. 3

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

Gas Liquid Hydrocarbon Ratio 1000 to 1 Bl Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 61 @ 60 Deg.
Specific Gravity Separator Gas XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure P.S.I.A. P.S.I.A.
Critical Temperature R R

P_c 1187 P_c^2 1408969

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.340$ (2) $\left[\frac{P_c^2}{P_c^2 - P_{w_1}^2}\right]^n = 1.2455$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4,180$

Absolute Open Flow 4,180 Mcfd @ 15.025 | Angle of Slope θ | Slope, n .75

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Paul D. Berhost	Paul D. Berhost	