NEW MEXICO OIL CONSERVATION COMMSSION

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: 2/16/81	
Company: Getty Oil Company	Connection: Not connected			
Pool: Basin	Formation: Dakota		Unit	
Completion Date: 2/5/81	Total Depth: 6875	Plug Back TD: 6833	Elevation: 6415GL	Farm or Lease Name: New Mexico B Com
Csg. Size: 5.500 / Wt.: 15.5 / d: 4.950 / Set At: 6875		Perforations: From 6591 To 6753		Well No.: 1 E
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 6663		Perforations: From open To ended		Unit: H / Sec.: 32 / Twp.: 27N / Rge.: 9W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas single		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: 6663 / H: 6663	Gg: .720	% CO_2	% N_2	% H_2S / Prover: 2.00 / 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					1333		1334		168 Hrs.
1.	2.000 x .750				191	62	565		1st hr.
2.	2.000 x .750				132	63	419		2nd hr.
3.	2.000 x .750				97	63	3[illegible]		3rd hr.
4.									
5.									

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DIST. 3

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		203	0.9981	1.179	1.025	2693
2.	11.000		144	0.9971	1.179	1.017	1894
3.	11.000		109	0.9971	1.179	1.013	1427
4.							
5.							

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

Gas Liquid Hydrocarbon Ratio: 1000 to 3 BL Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: 60 @ 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 1346 P_c^2 1811716

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	11881	383	146689	1665027
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0881$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0654$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,520$

Absolute Open Flow: 1,520 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	