6 copies

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 8-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 11-18-77	
Company: Getty Oil Company	Connection: Not Connected			
Pool: Blanco	Formation: Mesa Verde		Unit	
Completion Date: 11-7-77	Total Depth: 4470'	Plug Back TD: 4452'	Elevation: 5976'	Farm or Lease Name: John Charles
Csg. Size: 7.00-4.5 / Wt.: 20.0 11.6 / d: 6.456 4.000 / Set At: 2342 4469		Perforations: From 3700' To 4426'		Well No.: 6A
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 4342		Perforations: From OPEN To ENDED		Unit: I / Sec.: 13 / Twp.: 27N / Rge.: 9W
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: 120	State: New Mexico
L: 4342 / H: 4342 / Gg: .720	% CO_2	% N_2	% H_2S	Prover: 2000 / Meter Run / Taps

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI					724		737		168 hr
1.	2.000 x .750				223	60	625		1 "
2.	2.000 x .750				202	60	587		1 "
3.	2.000 x .750				188	60	568		1 "
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		235	1.000	1.179	1.031	3142
2.	11.000		214	1.000	1.179	1.028	2853
3.	11.000		200	1.000	1.179	1.026	2661
4.							
5.							

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

Gas Liquid Hydrocarbon Ratio: 8 bbl Per MMCF Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: 61.0 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 .749 P_c^2 561001

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	40000	580	336400	224601
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.4978$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.9868$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5287$

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DEC 12 1977
U.S. Geological Survey
Farmington, N.M.

Absolute Open Flow: 5287 Mcfd @ 15.025 | Angle of Slope θ: | Slope, n: .75

Remarks: Top of liner hanger 2241.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Paul Berhost	Paul Berhost	R.P. Hergenreter