GETTY CORE HOLE NO. 16-17

Location: Section 17, T.5S, R.97W., Garfield Co., Colo.
2119.3' from North Line, 2574.7' from East Line

Elevation: 8151.8' ground

Drilled: 0' to 580'
Cored: 580' to 804'

Date Coring Commenced: August 17, 1964
Date Coring Completed: August 20, 1964

Mahogany Marker: 653.3' +7498.5'

Remarks:

Left 120' of 3" pipe in hole and left 30' joint of 5" surface pipe.

Generalized Core Description:

500' - 619'	Marlstone, brown, diagonal fractures @ 597', 600.5', 602'.
619-632'	Marlstone, tan, silty, argellaceous and badly fractured 622-624'. Vertical fracture filled w/ anhydrite & pyrite 624-625.5'.
632-653.3'	Marlstone, brown, numerous thin tuff beds 634-640'.
653.3-653.7'	Mahogany Marker - analcitized tuff.
653.7-655'	Siltstone, tan w/bands of brown & grey silty Marlstone.
655-680'	Marlstone, brown diagonal fractures @ 675,678,679'.
680-696'	Marlstone, tan w/brown bands, silty diagonal fractures @ 682.5',687',689',692',2" tuff @ 687.5'.
696-704'	Marlstone, brown, silty, numerous fractures.
704-707'	Marlstone, brown, silty, 1" tuff @ 705'.
707-709.5'	Siltstone, tan, w/brown bands.
709.5'-718'	Marlstone, brown & tan, diagonal fracture @ 713'.
718-718.5'	Marlstone, dk. grey, considerable bitumen.
718.5-739.5'	Marlstone, brown & tan, thin clay beds & wavy bedding 721-722'.
739.5-750'	Siltstone, tan, highly fractured, vugular w/clay & anhydrite fillings 742-745'. Two large vugs @ 748' w/pyrite filling.

Getty Core Hole No. 16-17 (cont'd.)

750-753'	Marlstone, brown.
753-754.2'	Siltstone, tan.
754.2-760.6'	Marlstone, brown, 2" tuff beds @ 756 & 758'.
760.6-760.9'	Analcitized tuff.
760.9-767'	Marlstone, brown w/tan bands, silty, mineralized tuff bed @ 766.5'.
767-768.5'	Marlstone, lt. grey.
768.5-776'	Marlstone brown w/tan bands, 2" grey siltstone @ 774'.
776-785.5'	Siltstone, calcareous, tan w/brown & grey bands.
785.5-793.5'	Marlstone, tan & brown, silty.
793.5-795'	Siltstone, tan.
795-797	Marlstone, grey.
797-799.5'	Siltstone, tan.
799.5-804'	Marlstone, grey to dk. grey, silty.