

Core Description  
 ARCO, White River #1 (#201)  
 Sec. 36, T9S-R24E  
 Uintah Co., Utah  
 El. 5471' ground

FROM	TO	DESCRIPTION
740'	741.5'	Marlstone, gray brown and dark brown laminated.
741.5'	742.5'	Tuff.
742.5'	742.6'	Marlstone, organic, medium brown.
742.6'	743.1'	Oil shale, chocolate brown to brownish black.
743.1'	744'	Marlstone, organic, dark brown, laminated with oil shale, black.
744'	745'	Oil shale, black.
745'	746.5'	Marlstone, gray brown, very slightly silty, with thin gilsonite stringer @ 746'.
746.5'	748.2'	Marlstone, organic, dark brown to black, grading into oil shale toward base.
748.2'	752'	Marlstone, gray brown, with thin laminations of organic marlstone and some gilsonite.
752'	756'	Marlstone, organic, dark brown, with 3" tuff band, fine grained, tar saturated @ 755.5'.
756'	761'	Marlstone, gray-brown laminated with organic marlstone, brown-dark brown.
761'	762.5'	Organic marlstone, very dark brown with 2 stringers of tuff, $\frac{1}{4}$ " thick, fine grained, tar saturated @ 761.3'.
762.5'	764.5'	Organic marlstone (lean) brown-gray brown, laminated with marlstone, gray-brown.
764.5'	767'	Organic Marlstone (relatively rich), dark-brown-black, with minor tuff stringers, tar saturated, with 2" stringer - tuff, fine grained, tar saturated @ 766.5'.
767'	772'	Organic marlstone, (moderately rich), dark-brown, laminated with organic brown marlstone (less rich).
772'	774.5'	Organic marlstone, brown-dark brown, laminated with marlstone, gray-brown, minor gilsonite stringers (paper thin).
774.5'	776'	Organic marlstone, very dark brown-black, (relatively rich).
776'	786'	Organic marlstone, dark-brown-black, with thin laminations of marlstone, gray-brown, and oil shale (very few, very thin), black, minor gilsonite stringers, minor tuff stringers, with 2" tuff, medium-fine grained, tar saturated @ 783.5'.
786'	794.5'	Organic marlstone, as above.
794.5'	801'	Organic marlstone, brown (relatively lean-medium); minor tuff stringers (paper thin).
801'	803'	Marlstone, dark gray, brown.
803'	809.4'	Organic marlstone, dark brown, laminated stringers of tuff, very thin.
809.4'	811.3'	Tuff, analcite, gray-green, medium grained, contoured;
(Upper Wavy Bed)		very laminated with marlstone.

Core Description (continued)  
ARCO, White River #1 (#201)

FROM	TO	DESCRIPTION
811.3'	822.5'	Organic marlstone, brown-very dark brown-black, relatively rich.
822.5'	824'	Marlstone, gray-brown.
824'	826'	Organic marlstone, dark brown.
826'	828'	Marlstone, gray brown.
828'	829'	Organic marlstone, as above.
829'	831'	Marlstone, gray brown.
831'	834.5'	Organic marlstone, as above, leaner at bottom.
834.5'	837'	Marlstone, gray-brown.
837'	837.5'	Organic marlstone, very dark brown-black.
837.5'	838'	Oil shale, black.
838'	846'	Marlstone, gray to light tan; laminated, very few stringers of organic marlstone, brown-dark brown and stringers of tuff, gray.
846'	848.5'	Organic marlstone, dark brown-black with stringers of oil shale, black.
848.5'	849.5'	Marlstone, light tan.
849.5'	852.5'	Organic marlstone, brown-very dark brown, laminated with stringers of oil shale, black.
852.5'	858'	Organic marlstone, as above; laminated with marlstone, light tan.
858'	859'	Organic marlstone, very dark brown-black.
859'	861'	Marlstone, gray
861'	864.5'	Marlstone, gray and lean organic marlstone, light brown-brown, laminated.
864.5'	868'	Marlstone, gray, silty.
("A" Groove)		
868'	870'	Marlstone, gray-brown; laminated with lean organic marlstone.
870'	872'	Oil shale, black-black brown.
872'	878'	Organic marlstone, brown-dark brown with few laminations of oil shale, black and paper thin layers of tuff (876'-878').
878'	884.2'	Organic marlstone, as above, with thin laminations of marlstone, gray-brown.
884.2'	884.5'	Tuff, gray, medium coarse grain, tar saturated, bleeding heavy oil.
(Mahogany Marker)		
884.5'	889.6'	Organic marlstone, brown, with laminations of richer organic marlstone, dark brown-black and very few laminations of marlstone, gray-brown.
889.6'	894'	Organic marlstone, very dark brown-black (relatively rich) decreasing in richness towards bottom.
894'	895'	Marlstone, light tan-gray.
895'	897'	Organic marlstone, very dark brown-black, very rich.
897'	898'	Oil shale, black, and organic marlstone, brown laminations.
899'	904'	Organic marlstone, brown-dark brown with laminations of marlstone, gray green
(902' to 908' mixed in box)		

Core Description (continued)  
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FROM	TO	DESCRIPTION
904.5'	905.5'	Oil shale, black.
905.5'	905.8'	Tuff, gray, fine grained, with wavy beds of organic marlstone.
905.8'	909.5'	Organic marlstone, dark brown with laminations of marlstone, gray-brown.
909.5'	911'	Organic marlstone, dark brown-black.
911'	915.5'	Marlstone, gray-tan laminated with organic marlstone, brown.
915.5'	924.5'	Organic marlstone, brown-dark brown with stringers of tuff (1") dark gray, laminations of marlstone.
924.5'	926.5'	Marlstone, light tan, few organic marlstone laminations.
926.5'	928.8'	Organic marlstone (rich) dark-black, laminated with oil shale, black.
928.8'	930'	Organic marlstone, brown-dark brown.
930'	932.7'	Marlstone, light tan with very few $\frac{1}{2}$ " stringers of organic marlstone, fine tuff stringers.
932.7'	938'	Organic marlstone, brown-dark brown, few laminations of marlstone, light tan, fine tuff stringers.
938'	939'	Marlstone, light tan and organic marlstone, laminated equally.
939'	940.5'	Organic marlstone, brown-dark, with laminations of marlstone, tan.
940.5'	946.3'	Marlstone, light tan, laminated with organic marlstone, brown (20%).
946.3'	949'	Organic marlstone, brown-dark, leaner at bottom.
949'	953;	Marlstone, light tan.
953'	955.5'	Organic marlstone, brown-dark brown with two 1" stringers of tuff, tar saturated @ 955'.
955.5'	956'	Marlstone, tan, laminated with organic marlstone.
956'	958'	Organic marlstone, dark brown-black, relatively rich.
958'	959'	Organic marlstone, brown-relatively lean.
959'	961.5'	Marlstone, light tan.
961.5'	964'	Organic marlstone, brown-dark brown, black, rich with very rich streaks at 962.5'.
964'	969'	Marlstone, light tan with $\frac{1}{4}$ " streaks of organic marlstone.
969'	969.5'	Organic marlstone, dark brown, relatively rich.
969.5'	971'	Tuff, fine grain, tar saturated.
(Lower Wavy Bed)		
971'	974'	Organic marlstone, brown-very dark brown.
974'	980'	Marlstone, light tan, with thin stringers of organic marlstone, dark brown.

T. D.

Robert P. Self