

U058

26-105-24E

Uintah County, UT

P-3 CORE LOG

Depth	±MM	FRX	PP	0	50 Ton	Lith	Rock Description
545	+250				12.1		Oil Shale - low to medium grade,
546					7.7		buff to brown, thinly laminated
547			.60		7.7		
548			.80		5.7		
549			.60		5.7		
550			.80		10.0		
551					10.0		
552			.20		9.5		
553			.70		9.5		
554					2.8		Marlstone - light gray, hard
555	+240				2.8		
556					4.4		
557					4.4		
558			.00		6.1		Oil Shale - low to medium grade,
559			.30		6.1		buff to brown
560					8.0		
561					8.0		
562			.75		5.1		
563					5.1		
564			.15		6.9		
565	+230				6.9		
566					12.4		
567					12.4		
568					6.5		
569					6.5		
570					5.5		
571					5.5		
572					9.3		
573					9.3		
574					1.8		Marlstone - light gray, hard
575	+220				1.8		
576					3.2		Oil Shale - low to medium grade,
577					3.2		buff to brown
578					6.9		
579			.57		6.9		
580					4.9		
581			.61		4.9		
582			.32		2.2		Marlstone - light gray, hard
583					2.2		
584					8.7		
585	+210		.50		8.7		Oil Shale - low to medium grade,
586			.30		12.3		buff to brown
587			.25		12.3		
588			.72		6.7		
589					6.7		
590		I 90°			9.8		
591			.40		9.8		
592			.00		9.3		
593					9.3		
594			.00		4.4		

Depth	±MM	FRX	PP	0	50 Ton	Lith	Rock Description
595	+200		.60		4.4		Oil Shale - low to medium grade,
596					6.8		buff to brown, thinly laminated
597					6.8		
598			.60		8.7		
599			.60		8.7		
600					7.9		
601			.30		7.9		
602			.80		10.7		Oil Shale - medium grade, brown,
603					10.7		thinly laminated
604			.60		12.2		
605	+190		.70		12.2		
606			.60		13.2		
607					13.2		
608					12.2		
609			.00		12.2		
610			.60		12.9		
611					12.9		
612			.50		13.0		
613			.00.30.60		13.0		
614			.40		12.7		
615	+180		.20.70		12.7		
616			.60		15.3		Oil Shale - medium grade, brown
617			.30.50.90		15.3		thinly laminated
618			.40		15.6		
619			.30		15.6		
620			.30		19.6		
621			.19		19.6		
622			.20		20.9		
623			.00.40		20.9		
624					17.8		
625	+170		.70		17.8		
626			.80		10.5		
627					10.5		
628					12.0		
629			.40		12.0		
630					8.0		Oil Shale - low grade, buff
631					8.0		
632					8.0		
633					8.0		
634			.90		20.4		
635	+160				20.4		
636			.20		7.7		
637					7.7		
638					11.7		
639					11.7		
640					7.1		Oil Shale - low grade, buff
641					7.1		
642					5.5		
643			.00		5.5		
644					7.1		

Depth	±MM	FRX	PP	0	50 Ton	Gal/ Lith	Rock Description
645	+150				7.1		
646			.20		12.1		Oil Shale - low to medium grade,
647					12.1		buff to brown, thinly laminated
648			.40		7.9		
649			.00		7.9		
650					8.1		
651					8.1		
652					7.5		
653					7.5		
654					14.9		
655	+140				14.9		
656					8.7		
657					8.7		
658					6.1		658.43-.49 Sandstone layer
659			.58		6.1		
660					13.9		Oil Shale - low to medium grade,
661					13.9		buff to brown
662					12.2		
663					12.2		
664					7.8		
665	+130				7.8		Oil Shale - low grade, light brown
666					11.1		
667					22.2		667.62-.72 Sandstone layers
668					7.3		668.85-669.00 oil saturated
669					7.0		
670			.10		28.6		Oil Shale - low to medium grade,
671					6.2		light to medium brown
672					6.6		
673					8.2		
674					12.1		
675	+120				13.0		675.92-676.12 Sandstone layer
676					6.0		oil saturated
677					8.7		677.30-.40 Sandstone layer,
678					8.2		oil saturated
679					11.2		Oil Shale - low to medium grade,
680			.75		31.5		light to medium brown
681					11.9		
682					8.7		
683					4.4		
684					1.6		Marlstone - light gray, hard.
685	+110		.14		6.5		Oil Shale - low to medium grade,
686					22.5		light to medium brown
687					11.9		
688					9.2		
689			.75		11.8		689.42-.65 Sandstone layer
690					9.6		oil saturated
691					14.8		691.84-.95 Sandstone layers,
692					16.0		691.80-692.42 oil saturated
693					11.8		Oil Shale - low grade, light brown
694					9.1		

Depth	MM	FRX	PP	0	50 Ton	Lith	Rock Description
695	+100				9.7		
696					8.4		
697					9.1		
698			.15		12.1		
699			.86		16.0		699.60-700.00 Sandstone layer.
700					11.7		oil saturated
701					10.5		Oil Shale - low grade, light brown
702					10.8		
703					9.2		
704					11.7		
705	+90				11.5		
706					11.0		
707					10.2		707.23-.34 Sandstone layers
708					10.5		708.70-709.08
709			.08		10.7		
710					11.2		
711			.00		13.3		Oil Shale - low to medium grade.
712			.43		10.7		brown uniform
713			.00		8.8		
714			.49		12.6		
715	+80		.		17.0		
716					10.0		
717			.20		9.0		
718			.50		5.5		
719					7.0		
720			.50		13.3		Oil Shale- medium grade, brown
721					13.6		
722					10.6		
723			.30,40		9.2		
724					10.0		
725	+70				10.0		
726			.85		17.9		726.85-728.50 Upper Wavy Bed
727			.30,70		5.4		Sandstone layer, reddish to
728			.50		7.3		brownish gray, contorted bedding
729					11.5		
730					11.4		
731			.30		14.3		
732					16.1		Oil Shale - low to medium grade.
733					15.2		light to dark brown,
734					10.0		thinly laminated
735	+60		.10		10.9		
736			.10,60		20.4		
737					7.2		
738			.30		8.2		
739			.80		12.3		
740					12.2		
741			.00		6.3		
742			.00,70		7.2		
743					9.9		
744					5.0		

Depth	±MM	FRX	PP	0	Gal/ 50 Ton	Lith	Rock Description
745	+50		.50		9.3		
746			.60		15.6		
747			.80		11.7		
748					9.3		
749					10.5		
750					28.7		Oil Shale - high grade, dark brown
751					26.5		
752					11.9		
753			.80		13.1		
754					13.5		Oil Shale - medium grade.
755	+40		.60		14.3		brown with darker colored bands
756			.50		18.9		
757					29.2		
758					34.3		
759			.10.60		16.1		
760			.50		14.2		
761					13.8		
762			.10.90		7.0		
763			.50		4.0		
764			.10.40		5.1		
765	+30		.50		3.5		765.50-767.60 Sandstone layers
766			.60		8.0		interbedded in shale
767			.20.50.90		4.5		
768			.50		5.1		
769			.20		3.1		
770			.10		2.1	T-T	Marlstone - light gray, hard
771			.48		1.6	T-T	
772					3.3		Bottom 'A' Groove
773			.28		10.8		Oil Shale - medium grade, brown
774					16.9		
775	+20				12.7		
776					37.7		Oil Shale - high grade, black
777			.58		17.5		
778			.12		16.1		Oil Shale - medium grade, brown
779			.29		12.3		thinly laminated, hard
780			.05.60		13.9		
781			.12.50		25.2		
782			.43		32.9		Oil Shale - high grade,
783			.64		24.4		dark brown to black
784					26.6		
785	+10				42.4		
786					40.0		
787					24.8		
788					17.7		Oil Shale - medium grade, brown
789					11.1		
790					10.5		
791					18.3		
792					18.1		
793					9.1		
794					18.3		

Depth	±MM	FRX	PP	0	50 Ton	Gal/ Lith	Rock Description
795	0				18.1		795.60-796.05 Mahogany Marker
796			.36		9.5		Sandstone layer, oil saturated
797					11.9		
798			.15		16.8		
799			.78.88		46.7		Oil Shale - high grade,
800			.42		49.6		dark brown to black
801			.04		25.3		
802					22.5		
803			.34		3.7		
804			.14		19.6		
805	-10		.33		29.7		Oil Shale - high grade,
806					44.5		dark brown to black
807			.32		53.2		
808					81.7		'Mahogany Zone'
809					76.1		
810					45.5		
811					60.6		
812			.90		55.5		812.90-813.05 Sandstone layer
813					25.4		
814					18.8		
815	-20				26.6		Oil Shale - high grade,
816					34.9		dark brown to black
817					18.9		
818					17.2		
819					26.2		Oil Shale - high grade,
820			.43		30.9		dark brown to black
821					24.4		
822					37.3		
823					42.1		
824					10.0		
825	-30				18.8		
826					29.6		Oil Shale - high grade,
827					32.4		dark brown to black
828					19.7		
829					13.3		
830					18.6		
831					32.4		
832					12.8		
833					9.1		
834					11.4		
835	-40				8.5		
836			.70		5.7		
837					6.7		
838					29.9		Oil Shale - high grade, dark brown
839					12.8		
840			.35		26.4		
841			.00		22.4		
842			.10		24.6		
843					30.0		Oil Shale - high grade, dark brown
844					20.2		

Depth	±MM	FRX	PP	0	Gal/ 50 Ton	Lith	Rock Description
845	-50				18.6		Oil Shale - medium grade,
846			.30		11.4		brown to dark brown
847			.40		13.1		
848					19.1		
849					16.9		
850			.22		11.8		
851			.80		8.4		
852			.00 20.40		4.4		
853			.10.20.40		4.3		
854			.00.50		14.4		
855	-60				12.4		
856					7.0		856.20-.55 Sandstone layer
857			.10		6.6		
858					14.8		
859			.50		32.4		Oil Shale - high grade, dark brown
860			.70		10.3		
861			.00.65		9.2		
862					18.4		
863			.20		43.1		Oil Shale - high grade, black
864			.30		6.0		
865	-70		.20		3.1		
866			.00.90		4.3		
867			.00		7.6		
868		15			22.7		
869			.15.35.60		15.4		869.05-870.40 Sandstone layer,
870			.10		20.5		contorted bedding
871			.50		15.6		Oil Shale - low to medium grade,
872			.50		7.5		buff to brown, thinly laminated
873					5.4		
874			.15.60		4.3		
875	-80		.50		5.5		Oil Shale - low grade,
876					4.7		buff to light brown
877			.50		4.7		
878					7.8		
879			.40		4.6		
880					8.1		
881			.70		9.1		
882			.20		4.8		
883					4.1		
884			.50		4.8		
885	-90		.60.95		6.6		
886			.00		4.2		
887			.50		5.9		
888					6.1		
889			.30		7.1		
890			.13.20		9.3		
891			.95		5.3		Oil Shale - low grade, buff
892					6.0		
893					4.9		
894					44.1		

DEPTH - FEET - CORRELATION PROJECT				Gal/		HOLE #	
Depth	±MM	FRX	PP	0	50 Ton	Lith	Rock Description
895	-100		.96		4.9		
896			.06		7.6		
897			.09.39		2.7	T-T	Marlstone - light gray, hard
898					1.2	T-T	
899			.88		3.8		
900			.59		0.9	T-T	Marlstone - light gray, hard
901					3.4		
902			.87		2.0	T-T	Marlstone - light gray, hard
903					1.7	T-T	
904					1.5	T-T	
905	-110				1.9	T-T	
906			.00		2.9	T-T	
907			.65		1.7	T-T	
908					1.2	T-T	
909			.25		5.4		Oil Shale - low grade, buff
910					6.4		
911					2.8	T-T	Marlstone - light gray, hard
912					2.3	T-T	
913					12.0		
914			.16.69		32.9		Oil Shale - high grade, black
915	-120		.45		43.1		Oil Shale - high grade, black
916					9.5		
917					8.9		
918					32.4		Oil Shale - high grade, dark brown
919					32.4		
920					11.3		
921			.00		11.3		Oil Shale - low to medium grade,
922			.80		10.7		buff to brown, thinly laminated
923					10.7		
924			.40		10.0		
925	-130				10.1		
926			.30		6.2		
927			.00		6.2		
928					4.7		
929					4.7		
930			.90		9.9		
931					9.9		
932			.00		7.7		
933					7.7		
934					14.6		
935	-140		.30		14.6		
936			.30.65.75		10.0		
937					10.0		
938					10.7		
939					10.7		
940			.30		7.7		
941			.35		7.7		
942					9.1		
943			.10		9.1		943.95-944.42 Sandstone layer,
944			.25		11.7		oil saturated

Depth	±MM	FRX	PP	0	Gal/ 50 Ton	Lith	Rock Description
945	-150				11.7		
946			.80		6.6		Oil Shale - low to medium grade,
947			.70		6.6		buff to brown, thinly laminated
948					19.0		
949			.55		19.0		
950			.10.35.90		20.3		
951			.30		20.3		
952			.20.50		24.9		
953			.00.70.85		24.9		
954			.05.30.50		5.3		
955	-160		.00.95		5.3		
956			.15.77		11.8		
957			.30		11.8		
958			.90		16.8		
959			.40.60		16.8		
960			.00.20		17.4		
961			.75		17.4		
962			.50		8.8		
963			.25.75		8.8		
964		15°	.70		24.4		
965	-170		.25		24.4		Oil Shale - low to medium
966			.40.55		7.5		buff to brown
967			.55		7.5		
968			.10.28.32		1.6	T-T	Marlstone - light gray, hard
969			.25		1.6	T-T	
970			.10.70		9.0		
971			.85		9.0		
972			.90		16.3		972.34-.40 Sandstone layer,
973			.50.90		16.3		oil saturated
974			.40.90		9.2		
975	-180				9.2		Oil Shale - low to medium grade,
976			.10.50.80		8.8		buff to brown, thinly laminated
977			.00.25.80		8.8		
978			.20.50.90		5.2		
979			.20.45.55		5.2		
980			.30.40		1.2	T-T	Marlstone - light gray, hard
981			.80		1.2	T-T	
982			.00.20.30		0.0	T-T	
983			.05.43.90		0.0	T-T	
984			.20.70		0.2	T-T	
984	-190		.00.30.60		0.2	T-T	
986			.40.80		0.0	T-T	
987			.20.50		0.0	T-T	
988			.00.35.80		0.0	T-T	
989			.70		0.0	T-T	
990			.10.40.80		0.0	T-T	
991					0.0	T-T	
992			.20.65		0.3	T-T	
993			.70		0.3	T-T	
994			.30		0.4	T-T	

Depth	MM	FRX	PP	0	Gal/50 Ton	Lith	Rock Description
995	-200		.30		0.4	T-T	Marlstone - light gray, hard
996					1.4	T-T	
997					1.4	T-T	
998			.40		2.3	T-T	
999			.30		2.3	T-T	
1000			.30.90		1.0	T-T	
1001			.70		1.0	T-T	
1002			.40.70		3.2		Oil Shale - low to medium grade,
1003			.50		3.2		buff to brown, thinly laminated
1004			.40.80		16.5		
1005	-210		.10		16.5		
1006			.30		11.1		
1007			.00.30.60		11.1		
1008			.40		5.3		
1009			.35.55		5.3		
1010					3.8		
1011			.37.77		3.8		
1012					8.9		
1013			.35.83		8.9		
1014			.42		19.4		
1015	-220		.44		19.4		1015.68-.80 Sandstone layer,
1016			.21.55.44		7.3		oil saturated
1017			.25.60.73		7.3		
1018			.55		29.1		Oil Shale - high grade, dark brown
1019			.00.45		29.1		
1020			.79		16.8		
1021			.98		16.8		Oil Shale - low to medium grade,
1022			.18.50		4.0		buff to brown, thinly laminated
1023			.08		4.0		
1024			.37.45		6.9		
1025	-230		.00		6.9		
1026			.07		3.1		
1027			.93		3.1		
1028			.00.64.72		3.8		
1029			.33		3.8		
1030			.11.91		3.8		
1031			.73		3.8		
1032			.42		4.1		
1033					4.1		
1034			.92		3.1		
1035	-240		.03		3.1		
1036			.08		1.3	T-T	Marlstone - light gray, hard
1037			.25.70		1.3	T-T	
1038					1.1	T-T	
1039					1.1	T-T	
1040			.57.88		4.1		Oil Shale - low grade, buff
1041					4.1		
1042			.70		2.4	T-T	Marlstone - light gray, hard
1043					2.4	T-T	
1044			.04.71		2.6	T-T	

Depth ±MM	FRX	PP	0	Gal/ 50 Ton	Lith	Rock Description
1045	-250			2.6	TIT	Marlstone - light gray, hard
1046		.69		0.8	TIT	
1047				0.8	TIT	
1048				2.5	TIT	
1049				2.5	TIT	
1050				4.6		Oil Shale - low to medium grade,
1051				4.6		buff to brown
1052				8.6		
1053				8.6		
1054				2.7	TIT	Marlstone - light gray, hard
1055	-260			2.7	TIT	
1056		.18		1.2	TIT	
1057		.89		1.2	TIT	
1058				10.0		Oil Shale - low to medium grade,
1059		.85		10.0		buff to brown
1060				11.0		
1061				11.0		
1062		.75		9.7		
1063				9.7		
1064				6.2		
1065	-270			6.2		Oil Shale - low grade, buff to brown,
1066		.71.89		4.8		thinly laminated
1067		.25.33.42		4.8		
1068				4.8		
1069		.16		4.8		
1070				5.5		
1071				5.5		
1072				0.0	TIT	Marlstone - light gray, hard
1073				0.0	TIT	
1074				2.5	TIT	
1075	-250			2.5	TIT	
1076				4.1		Oil Shale - low to medium grade,
1077				4.1		buff to brown, thinly laminated
1078				4.9		
1079				4.9		
1080				10.1		
1081		.68.78		10.1		
1082				10.2		
1083		.02.07.23		10.2		
1084		.12.58.65		19.5		
1085	-290			19.5		
1086				13.6		
1087		.74		13.6		
1088				9.9		
1089				9.9		
1090		.44		15.2		
1091				15.2		
1092				10.4		
1093				10.4		
1094				7.6		

HOLE: K-2				Gal/		Lith	Rock Description
Depth	MM	FRX	PP	0	50 Ton		
1095	-300				7.6		
1096					1.2	TIT	Marlstone - light gray, hard
1097					1.2	TIT	
1098					4.1		Oil Shale - low grade, buff
1099					4.1		
1100					7.0		
1101					7.0		
1102					4.6		
1103					4.6		
1104					2.2	TIT	Marlstone - light gray, hard
1105	-310				2.2	TIT	
1106					8.4		Oil Shale - low grade, brown
1107		.74			8.4		
1108					7.5		
1109		.53			7.5		
1110					7.3		
1111					7.3		
1112		.96			2.1	TIT	Marlstone - light gray, hard
1113					2.1	TIT	
1114					2.8	TIT	
1115	-320				2.8	TIT	Marlstone - light gray, hard
1116		.61			3.3		Oil Shale - low grade, buff
1117		.64			3.3		
1118		.80			0.1	TIT	Marlstone - light gray, hard
1119		.00			0.1	TIT	
1120					0.5	TIT	
1121		.90			0.5	TIT	
1122					5.5		Oil Shale - low grade, buff to brown
1123					5.5		
1124		.35.85			4.6		
1125	-330	.03.85			4.6		
1126					7.0		
1127					7.0		
1128		.61			1.8	TIT	Marlstone - light gray, hard
1129		.30			1.8	TIT	
1130		.36			4.3		Oil Shale - low grade, buff
1131		.37.55			4.3		
1132					1.9	TIT	Marlstone - light gray, hard
1133					1.9	TIT	
1134					3.0		Oil Shale - low grade, buff
1135	-340				3.0		
1136					0.5	TIT	Marlstone - light gray, hard
1137					0.5	TIT	
1138					3.6		Oil Shale - low grade,
1139					3.6		buff to brown
1140					5.9		
1141					5.9		
1142					3.9		
1143					3.9		
1144					1.5	TIT	Marlstone - light gray, hard

Depth	MM	FRX	PP	0	50	Gal/ Ton	Lith	Rock Description
1145	-350					1.5	TLT	Marlstone - light gray, hard
1146						3.5		Oil Shale - low grade, buff
1147						3.5		to brown
1148						2.3	TLT	Marlstone - light gray, hard
1149			.62.75			2.3	TLT	
1150			.50.86			4.9		Oil Shale - low grade,
1151						4.9		buff to brown
1152						1.0	TLT	Marlstone - light gray, hard
1153						1.0	TLT	
1154						4.0		Oil Shale - low grade,
1155	-360					4.0		buff to brown
1156						7.2		
1157						7.2		
1158						3.4		
1159						3.4		
1160			.65			1.5	TLT	Marlstone - light gray, hard
1161			.68			1.5	TLT	
1162						2.5	TLT	
1163						2.5	TLT	
1164						4.6		Oil Shale - low grade, buff
1165	-370					4.6		
1166						2.2	TLT	Marlstone - light gray, hard
1167		90°				2.2	TLT	
1168						3.3		Oil Shale - low grade, buff
1169						3.3		
1170						2.9	TLT	Marlstone - light gray, hard
1171						2.9	TLT	
1172						11.6		Oil Shale - low to medium grade,
1173						11.6		buff to brown
1174						3.9		
1175	-380					3.9		
1176						19.5		
1177						19.5		
1178			.98			2.8	TLT	Marlstone - light gray, hard
1179			.24.34			2.8	TLT	
1180						3.2		
1181						3.2		
1182						16.9		Oil Shale - low to medium grade,
1183						16.9		buff to brown, thinly laminated
1184						5.1		
1185	-390					5.1		
1186			.79			19.4		
1187						19.4		
1188						16.2		
1189			.35			16.2		
1190						10.7		
1191						10.7		
1192			.21.45			6.2		
1193						6.2		
1194						5.1		

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Gal/

[illegible]