

DEPTH	±-MM	FRX	PP	GAL/TON	CORE REC.	LITH.	DESCRIPTION
582	+213		.32	2.2	2.2		Oil Shale, medium-dark brown, very finely laminated,
583				2.2	2.2		micaceous; low to very low grade with occasional
584				8.7	8.7		gilsonite; slightly to moderately calcareous
585	+210		.50	8.7	8.7		585.0-588.0 Sandstone, tuffaceous, thin layers; irregul
586			.30	12.3	12.3		upper and lower contacts; poorly sorted with much cla
587			.25	12.3	12.3		petroliferous
588			.72	6.7	6.7		
589				6.7	6.7		
590				9.8	9.8		
591			.40	9.8	9.8		Oil Shale, medium-dark brown; very finely laminated
592			.00	9.3	9.3		material with a few interspersed zones of coarser
593				9.3	9.3		grained Siltstone; medium to good grade
594			.00	4.4	4.4		
595	+200		.60	4.4	4.4		
596				6.8	6.8		
597				6.8	6.8		
598			.60	8.7	8.7		
599			.60	8.7	8.7		
600				7.9	7.9		
601			.30	7.9	7.9		
602			.80	10.7	10.7		
603				10.7	10.7		
604			.60	12.2	12.2		
605	+190		.70	12.2	12.2		Oil Shale as above with some silty layers
606			.60	13.2	13.2		
607				13.2	13.2		
608				12.2	12.2		
609			.00	12.2	12.2		
610			.60	12.9	12.9		
611				12.9	12.9		
612			.50	13.0	13.0		Bitumen, distinct band
613			.80	13.0	13.0		
614			.40	12.7	12.7		
615	+180		.20	12.7	12.7		Bitumen, distinct band
616			.60	15.3	15.3		
617			.30	15.3	15.3		Sandstone, tuffaceous, very thin
618			.40	15.6	15.6		
619			.30	15.6	15.6		
620			.30	19.6	19.6		Poorly sorted zone
621			.10	19.6	19.6		
622			.20	20.9	20.9		Oil Shale, finely laminated medium grade, silty with th
623			.00	20.9	20.9		zones of higher grade material; scattered, very thin
624				17.8	17.8		Sandstone layers, tuffaceous
625	+170		.70	17.8	17.8		
626			.80	10.5	10.5		Oil Shale, medium grade, uniform, finely laminated; ver
627				10.5	10.5		Sandstone layers as above
628				12.0	12.0		
629			.40	12.0	12.0		
630				8.0	8.0		
631				8.0	8.0		

Drilled 29.85 Ft.
Recovery 29.85 Ft. (100%)
Midnite 10/24/74

COMMENTS:

* Loss assigned to top of run where rounded pieces of core were obtained

DEPTH	+MM	FRX	PP	GAL/TON	CORE REC.	LITH.	DESCRIPTION
632				8.0	2 hour Drilled 29.79 Ft. Recovered 29.70 Ft. Filled barrel at 5:45 A.M.-round trip		
633				8.0			
634			.90	20.4			
635	+160			20.4			
636			.20	7.7			
637				7.7			
638				11.7			Oil Shale, as above but increased Kerogen content in ver
639				11.7			localized zones; several thin to very thin Sandstone
640				7.1			layers
641				7.1			
642				5.5	Back on bottom 8 A.M. 10/25/74		
643			.00	5.5			
644				7.1			
645	+150			7.1			
646			.20	12.1			
647				12.1			
648			.40	7.9			Localized increase in Kerogen content
649			.00	7.9			
650				8.1			Oil Shale, medium grade; with thin Sandstone blebs &
651				8.1			stringers; many fine flecks of bituminous material
652				7.5	Drilled 30.00 Ft. Recovered 30.00 Ft. 100% Rec./100% RQD		
653				7.5			
654				14.9			
655	+140			14.9			
656				8.7			Hematite & Pyrite, very fine-grained; in thin layers &
657				8.7			lenses
658				6.1			658.43-658.49 Sandstone, tuffaceous with Hematite & Pyr
659			.58	6.1			filling; petroliferous; parting plane at 659.58 occurs
660				13.9			thin, almost indistinguishable Marlstone
661				13.9			
662				12.2	Drilled 30.00 Ft. Recovered 30.00 Ft. 100% Rec./100% RQD		Zone of thin Hematite layers; also thin flecks of
663				12.2			Bitumen & Gilsonite
664				7.8			
665	+130			7.8			
666				11.1			
667				22.2			667.62-667.72 Sandstone, tuffaceous; highly irregular
668				7.3			668.85-669.00 contact; much clay; very petroliferous;
669				7.0			slightly distorted bedding below each
670			.10	28.6			tuff layer
671				6.2			
672				6.6	Drilled 30.00 Ft. Recovered 30.00 Ft. 100% Rec./100% RQD		
673				8.2			
674				12.1			
675	+120			13.0			675.42-676.12 Sandstone, tuffaceous; saturated with oil
676				6.0			
677				8.7			677.30-677.40, 677.70-677.78, Sandstone, tuffaceous,
678				8.2			petroliferous; very irregular; clayey
679				11.2			
680			.75	31.5			Oil Shale, medium to high grade oil zone
681				11.9			

COMMENTS:

THE CLEVELAND-CLIFFS IRON CO.

PROJECT: White River Shale Project

Gentzler &

HOLE NO. P-3 SHEET 3 OF 11 DATE: 10/25/74 LOGGED BY: Carnahan T.D. 1220.

DEPTH	±MM	FRX	PP	GAL/TON	CORE REC.	LITH.	DESCRIPTION
682		Vert. (Healed)		8.7			
683				4.4			
684				1.6			
685	+110		.14	6.5			Medium to high grade oil zone
686				22.5			
687				11.9			
688				9.2			
689			.75	11.8			689.42-689.65 Sandstone, tuffaceous; very irregular
690				9.6			contacts; saturated with dead oil
691				14.8			691.54-691.75, 691.80-692.42, same as above; some inter-
692		Vert. (Healed)		16.0			bedded shale
693				11.8			
694				9.1			
695	+100	Vert. (Healed)		9.7			
696				8.4			
697				9.1			
698			.15	12.1			698.05-698.15, same as above
699		Vert. (Healed)	.86	16.0			699.60-700.00, same as above with some Shale interbeds
700				11.7			Hematite, in minor blebs & in some tuffaceous Sandstone
701				10.5			Siltstone, medium brown, very finely laminated; fine, ^{seen}
702				10.8			very uniform; slightly to moderately calcareous
703				9.2			
704				11.7			
705	+90			11.5			
706				11.0			
707		Vert. (Healed)		10.2			707.23-707.34 Sandstone, tuffaceous, as above
708				10.5			708.70-709.08 Sandstone, tuffaceous, as above
709			.08	10.7			
710				11.2			
711			.00	13.3			Oil Shale, brown to dark brown, uniform with some thin
712			.43	10.7			higher grade streaks
713			.00 Loss	8.8			
714			.49	12.6			
715	+80			17.0			
716				10.0			Siltstone, medium to light brown, poor grade
717			.20	9.0			
718			.50	5.5			
719				7.0			
720			.50	13.3			
721				13.6			
722				10.6			
723			.30.40	9.2			723.0-723.5, Oil Shale, high grade zone
724				10.0			
725	+70			10.0			
726			.85	17.9			726.85-728.50 Upper Wavy Bed, Sandstone, tuffaceous; bu
727			.30.70	5.4			colored; contorted bedding, irregular upper & lower
728			.50	7.3			contacts
729				11.5			Siltstone, as above
730				11.4			
731			.30	14.3			731.0-731.3, Oil Shale, 4" high grade zone

Recovered 30.02 Ft. 100% Rec/100% RQD
 Drilled 30.00 Ft. 10/25/74
 7:25 P.M.
 711.04
 Drilled 30.12 Ft. Recovered 29.79 Ft.
 Probable Core Loss At 713.0' (Irregular Break)

COMMENTS:

HOLE NO. P-3SHEET 4 OF 11DATE: 10/25/74LOGGED BY: Carnahan T.D. 1220.

DEPTH	+MM	FRX	PP	GAL/TON	CORE REC.	LITH.	DESCRIPTION
732				16.1	Finished run at 1:20 A.M. 10/26/74		Siltstone, as above
733				15.2			
734				10.0			
735	+60		.10	10.9			
736			.10.60	20.4			
737				7.2	Recovered 29.79 Ft. Started Drilling 3:20 A.M. Recovered 99% BOD 97.5% 10/26/74		
738			.30	8.2			
739			.80	12.3			
740				12.2			
741			.00	6.3			Oil Shale, medium-dark brown
742			.00.70	7.2			
743				9.9			
744				5.0			Siltstone, buff colored, very low grade
745	+50		.50	9.3			Oil Shale, narrow high grade zone
746			.60	15.6			Oil Shale, medium brown with thin, dark brown zones
747			.80	11.7			
748				9.3			Oil Shale, narrow high grade zone
749				10.5			
750				28.7			Oil Shale, dark brown
751				26.5			Oil Shale, medium brown with scattered, thin, finely laminated, dark brown bands
752				11.9			
753			.80	13.1			
754				13.5			
755	+40		.60	14.3			
756			.50	18.9			
757				29.2			757.0-760.0 Sandstone, tuffaceous; occurs as intermitte
758				34.3			inclusions & thin stringers
759			.10.60	16.1			
760			.50	14.2			Oil Shale, high grade-in concentrated, thin bands
761				13.8			Oil Shale, medium brown, silty
762			.10.90	7.0			
763			.50	4.0			
764			.10.40	5.1			
765	+30		.50	3.5			
766			.60	8.0			
767			.20.50	4.5			
768			.50	5.1			
769			.20	3.1			
770			.10	2.1			Siltstone, light gray
771			.48	1.6	10:00 A.M. Began Drilling		
772				3.3			
773			.28	10.8			
774				16.9			
775	+20			12.7			
776				37.7			Oil Shale, dark brown-black; finely laminated; slightly
777			.58	17.5			distorted bedding
778			.12	16.1			Oil Shale, hard, dense, dolomitic
779			.29	12.3			
780			.05.60	13.9			Oil Shale, brown, hard; thinly bedded
781			.12.50	25.2			Sandstone, tuffaceous; contorted bedding; containing de

COMMENTS:

oil & much clay

HOLE NO. P-3 SHEET 5 OF 11 DATE: 10/26/74 LOGGED BY: Gentzler T.D. 1220.

DEPTH	+MM	FRX	PP	GAL/ TON	CORE REC.	LITH.	DESCRIPTION
782			.43	32.9			Oil Shale, as above
783			.64	24.4			
784				26.6			
785	+10			42.4			
786				40.0			
787				24.8			
788				17.7			
789				11.1			
790				10.5			
791				18.3			
792				18.1			
793				9.1			
794				18.3			Oil Shale, grades into dolomitic Marlstone with thin layers of Hematite & Marcasite
795	0			18.1			795.60-796.05 Mahogany Marker, Sandstone, tuffaceous, brecciated; much CLAY, some oil seeping from sandstone
796			.36	9.5			
797				11.9			
798			.15	16.8			
799			.78, 88	46.7			
800			.42	49.6	801.04		
801			.04	25.3			
802				22.5			
803			.34	3.7			
804			.14	19.6			
805	-10		.33	29.7			
806				44.5			
807			.32	53.2			807.32-807.42 Oil Shale, high grade
808				81.7			808.16-808.88 same as above, with distorted bedding
809				76.1			
810				45.5			
811				60.6			811.6-812.9 Oil Shale, dark banded zone, high grade
812			.09	55.5			812.9-813.05 Sandstone, tuffaceous, contorted
813				25.4			
814				18.8			
815	-20			26.6			
816				34.9			
817				18.9			
818				17.2			
819				26.2			Mahogany Bed ?
820			.43	30.9			Extremely high grade zone (Shale-Siltstone)
821				24.4			Coreless
822				37.3			
823				42.1			
824				10.0			
825	-30			18.8			
826				29.6			
827				32.4			
828				19.7			
829				13.3			
830				18.6	831.04		Siltstone, buff with thin dark brown bands
831				32.4			Siltstone, buff to brown (to 840)

COMMENTS:

THE CLEVELAND-CLIFFS IRON CO.

PROJECT: White River Shale Project

Gentzler &

HOLE NO. P-3

SHEET 6 OF 11

DATE: 10/27/74

LOGGED BY: Carnahan T.D. 1220.

DEPTH	±MM	FRX	PP	GAL/TON	CORE REC.	LITH.	DESCRIPTION
832				12.8			
833				9.1			
834				11.4			
835	-40			8.5			
836			.70	5.7			
837				6.7			
838				29.9			
839				12.8			
840			.35	26.4			Siltstone-Silty Shale, light brown to tan with a few narrow bands of darker colored shale (to 852)
841			.00	22.4			
842			.10	24.6			
843				30.0			
844				20.2			
845	-50			18.6			
846			.30	11.4			
847			.40	13.1			
848				19.1			
849				16.9			
850			.20	11.8			
851			.80	8.4			
852			.00.20	4.4			Siltstone, buff to tan, banded (to 856)
853			.40.20	4.3			852.40-852.95, rubble zone - core loss
854			.00.50	14.4			
855	-60			12.4			
856				7.0			856.20-856.55, Sandstone, tuffaceous; irregular break at the
857			.10	6.6			Shale, silty, medium brown to gray, grading to siltstone tan, at 860
858				14.8			
859			.50	32.4			
860			.70	10.3	860.99		Siltstone, tan laminated
861			.00.65	9.2			Siltstone with narrow bands of dark brown shale
862				18.4			Oil Shale, dark brown - black, high grade zone
863			.20	43.1			Siltstone, tan-gray, banded
864			.30	6.0			
865	-70		.20	3.1			
866			.00.90	4.3			
867			.00	7.6			
868	15°			22.7			Oil Shale, dark brown-black, high grade
869			.15.35	15.4			869.05-870.40, Sandstone, tuffaceous; mottled light to dark brown distorted bedding; uneven upper & lower contacts
870			.60.80	20.5			Oil Shale, medium grade irregular breaks
871			.10.40	15.6			Oil Shale, banded
872			.50	7.5			Siltstone, tan to gray, banded
873				5.4			
874			.15.60	4.3			
875	-80		.50	5.5			
876				4.7			
877			.50	4.7			
878				7.8			
879			.40	4.6			
880				8.1			
881			.70	9.1			

Drilled 29.95 Ft. Recovered 29.66 Ft. 10/27/74
 Started coring 12:40 A.M.
 Drilled 29.83 Ft. Recovered 29.83 Ft. 10/28/74
 Began drilling 6:40 A.M. MST

COMMENTS:

THE CLEVELAND-CLIFFS IRON CO.

PROJECT: White River Shale Project

Gentzler &

HOLE NO. P-3 SHEET 7 OF 11 DATE: 10/27/74 LOGGED BY: Carnahan T.D. 1220.

DEPTH	± MM	FRX	PP	GAL/ TON	CORE REC.	LITH.	DESCRIPTION
882			.00	4.8			Siltstone, as above
883				4.1			
884			.50	4.8			
885	-90		.60.95	6.6			Sandstone, tuffaceous, bleeding oil
886			.00	4.2			Siltstone, tan-gray, finely laminated, hard (calcareous-dolomitic)
887			.50	5.9			
888				6.1			
889			.30	7.1			
890			.13.20	9.3	891.04		
891			.95	5.3			Sandstone, tuffaceous; oil saturated
892				6.0			
893				4.9			
894				44.1			
895	-100		.96	4.9			
896			.06	7.6			Bleeding oil from narrow bands
897			.09.34	2.7			Marlstone, light gray, hard
898				1.2			
899			.88	3.8			
900			.59	0.9			
901				3.4			Marlstone, becoming light to medium brown
902			.87	2.0			
903				1.7			
904				1.5			
905	-110			1.9			
906			.00	2.9			
907			.65	1.7			
908				1.2			
909			.25	5.4			
910				6.4			
911				2.8			
912				2.3			
913				12.0			
914			.16.69	32.9			Oil Shale, dark brown-black
915	-120			43.1			Oil Shale, dark brown-black
916				9.5			
917				8.9			
918			.45	32.4			
919				32.4			
920				11.3	920.22		Siltstone, tan-gray, finely laminated
921			.00	11.3			Sandstone, tuffaceous, laminated
922			.80	10.7			Sandstone, tuffaceous, laminated
923				10.7			Siltstone as above
924			.40	10.0			Sandstone, tuffaceous, laminated
925	-130			10.1			Siltstone as above
926			.30	6.2			
927			.00	6.2			Siltstone, very dark, oily looking
928				4.7			
929				4.7			
930			.90	9.9			Siltstone, tan-gray, finely laminated
931				9.9			

Drilled 29.18 Recovered 29.37 Ft.
(0.18 Ft. from last run)

5:00 P.M.
10/27/74

COMMENTS:

HOLE NO. P-3 SHEET 8 OF 11 DATE: 10/27/74 LOGGED BY: Carnahan T.D. 1220.

DEPTH	±MM	FRX	PP	GAL/TON	CORE REC.	LITH.	DESCRIPTION
932			.00	7.7			Siltstone, tan-gray, finely laminated
933				7.7			
934				14.6			
935	-140		.30	14.6			Sandstone, tuffaceous, laminated
936			.30-.50	10.0			
937				10.0			
938				10.7			
939				10.7			Siltstone as above
940			.30	7.7			
941			.35	7.7			
942				9.1			
943			.10	9.1			
944			.25	11.7			943.95-944.42, Sandstone, tuffaceous, gray
945	-150			11.7			Siltstone as above
946			.80	6.6			
947			.70	6.6			
948				19.0			
949			.55	19.0			Sandstone, tuffaceous, bleeding tar
950			.80-.35	20.3	950.19		Shale, variegated (light to dark, gray to brown), thin banded (950-955); minor bed distortion at 950
951			.30	20.3			
952			.20-.50	24.9			
953			.00-.70	24.9			
954			.05-.30	5.3			
955	-160		.00-.95	5.3			955.0-964.0 Claystone, gray, banded; 7 parting planes & 0.24 ft. core loss between 955.00 & 955.95; 4 parting planes between 956.15 & 956.77
956			.15-.77	11.8			
957			.30	11.8			
958			.90	16.8			
959			.40-.60	16.8			Sandstone, tuffaceous (2 thin zones)
960			.00-.20	17.4			
961			.75	17.4			
962			.50	8.8			
963			.25-.75	8.8			
964		-15°	.70	24.4			Beds illustrate slumping at differential compaction
965	-170		.25	24.4			964.0-978.0, Claystone, gray, banded
966			.40-.55	7.5			
967			.55	7.5			
968			.10-.28	1.6			
969			.25	1.6			
970			.10-.70	9.0			
971			.85	9.0			
972			.90	16.3			972.34-972.40, tar impregnated zone, bleeding
973			.50-.90	16.3			
974			.40-.90	9.2			
975	-180			9.2			Disturbed beds - slumping
976			.10-.50	8.8			
977			.80-.25	8.8			
978			.60-.50	5.2			Siltstone, gray (978-980)
979			.20-.45	5.2			
980			.30-.40	1.2	980.16		Siltstone, gray, very fine - grades to Claystone; many light, & dark bands; moderately uneven bedding planes
981			.80	1.2			common - Differential compaction?

COMMENTS:

THE CLEVELAND-CLIFFS IRON CO.

PROJECT: White River Shale Project

Gentzler &

HOLE NO. P-3 SHEET 9 OF 11 DATE: 10/28/74 LOGGED BY: Carnahan T.D. 1220

DEPTH	+MM	FRX	PP	GAL/TON	CORE REC.	LITH.	DESCRIPTION
982			.00	20	0.0		
983			.05	43	0.0		
984			.20	70	0.2		
985	-190		.60	30	0.2		
986			.40	80	0.0		Siltstone, gray as above but generally siltier (More massive zones between bedding planes)
987			.20	50	0.0		
988			.80	35	0.0		
989			.70		0.0		
990			.18	40	0.0		
991			.80		0.0		
992			.20	65	0.3		
993			.70		0.3		
994			.30		0.4		
995	-200		.20		0.4		
996					1.4		
997					1.4		997-998, 5 parting planes & redrilled core (1.5' core loss assigned)
998			.40		2.3		Siltstone, gray, fine-grained, finely laminated
999			.30		2.3		
1000			.30	90	1.0		
1001			.70		1.0		
1002			.40	70	3.2		
1003			.50		3.2		
1004			.40	80	16.5		Shale, brown, silty
1005	-210		.10		16.5		
1006			.30		11.1		
1007			.60	90	11.1		Siltstone, gray-light brown-buff, finely laminated
1008			.40		5.3		
1009			.35	55	5.3		3 Parting planes from 1009.55 to 1010.00 (0.1' core loss assigned)
1010					3.8		
1011			.08	37	3.8		
1012					8.9		1012.34-1012.59 Oil Shale, high grade bed
1013			.35	83	8.9		Siltstone, medium-dark brown, finely laminated
1014			.42		19.4		
1015	-220		.44		19.4		1015.68-1015.80 Sandstone, tuffaceous, light tan;
1016			.61	55	7.3		saturated with dead oil
1017			.52	32	7.3		1016.20-1016.30 Sandstone as above
1018			.55		29.1		
1019			.00	45	29.1		Siltstone, medium-light brown
1020			.79		16.8		
1021			.98		16.8		
1022			.18	34	4.0		1022.18-1024.48 Siltstone, tan
1023			.08		4.0		No Core
1024			.37	48	6.9		
1025	-230		.00		6.9		Siltstone, gray to light brown
1026			.07		3.1		
1027			.93		3.1		
1028			.00	64	3.8		
1029			.33		3.8		
1030			.11	91	3.8		
1031			.73		3.8		

COMMENTS:

THE CLEVELAND-CLIFFS IRON CO.

PROJECT: White River Shale Project

HOLE NO. P-3 SHEET 10 OF 11 DATE: 10/28/74 LOGGED BY: Gentzler, T.D. 1220.0

DEPTH	+MM	FRX	PP	GAL/TON	CORE REC.	LITH.	DESCRIPTION
1032			.42	4.1			
1033				4.1			
1034			.92	3.1			
1035	-240		.03	3.1			
1036			.08	1.3			
1037			.25.70	1.3			
1038				1.1			1038.36-1038.50, Conglomerate, intraformational; composed
1039				1.1	1040.26		of buff, chalky material
1040			.57.88	4.1			
1041				4.1			Siltstone, gray-light brown; moderately calcareous; fine
1042			.70	2.4			laminated & very uniform
1043				2.4			
1044			.04.71	2.6			
1045	-250			2.6			
1046			.69	0.8			
1047				0.8			
1048				2.5			
1049				2.5			
1050				4.6			
1051				4.6			
1052				8.6			
1053				8.6			Marlstone (1053.79-1057.00) buff to light gray, thinly
1054				2.7			bedded; highly calcareous; medium grained; bleeding of
1055	-260			2.7			from several 0.1' bands between 1053 & 1054 (micro-
1056			.10	1.2			slumpage in bedding at 1055.5')
1057			.89	1.2			
1058				10.0			
1059			.85	10.0			Oil Shale, medium-dark gray, fine-grained, thinly laminated
1060				11.0			scattered very fine crystals & thin inclusions of Pyrite
1061				11.0			Chalcopyrite? Sulfide occurrence is obviously influenced
1062			.75	9.7			by the laminated nature of the host rock
1063				9.7			
1064				6.2			Oil Shale, buff to medium brown, moderately calcareous
1065	-270			6.2			
1066			.71.89	4.8			
1067			.33.42	4.8			
1068				4.8			
1069			.16	4.8			
1070				5.5	1070.26		Hematite - Marcasite filling
1071				5.5			
1072				0.0			
1073				0.0			
1074				2.5			
1075	-280			2.5			Marcasite? layers <.01' thick
1076				4.1			
1077				4.1			
1078				4.9			
1079				4.9			
1080				10.1			
1081			.68.78	10.1			Limestone (1081.68-1081.78) buff, very fine-grained

Drilled 30.00 Ft.
Recovered 29.90 Ft.6:00 P.M.
10/28/74

COMMENTS:

DEPTH	+ -MM	FRX	PP	GAL/ TON	CORE REC.	LITH.	DESCRIPTION
1082				10.2	Drilled 30.00 Ft. Recovered 29.90 F. —(0.1' assumed left on bottom) ↓ 10:45 P.M. 10/28/74		1082.32-1082.37, micro-clumpage
1083				10.2			
1084				19.5			1084.12-1084.65 Limestone as above with minor sections abov
1085	-290			19.5			Siltstone as above
1086				13.6			
1087				13.6			
1088				9.9			
1089				9.9			
1090				15.2			
1091				15.2			
1092				10.4			
1093				10.4			
1094				7.6			Marcasite & Pyrite; in stringers & very thin layers
1095	-300			7.6			1094.97-1099.20, Limestone, gray to buff; very fine-
1096				1.2			grained to medium grained
1097				1.2			
1098				4.1			
1099	-304			4.1			
				1100.26			

COMMENTS: