

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH.DOT.GDT - 3/20/24 16:16:16 - IUS0268-PPFSS01\SHARED_PROJECTS\175578390\TECHNICAL_PRODUCTION\FIELD_DATA\CLE749_LOGS.GPJ

PROJECT: <u>CLE-749-02.23</u>	DRILLING FIRM / OPERATOR: <u>STANTEC / GT</u>	DRILL RIG: <u>CME 45C#3 (812)</u>	STATION / OFFSET: <u>119+48, 7' RT.</u>	EXPLORATION ID <u>B-001-0-23</u>
TYPE: <u>GEOHAZARD EXPLORATION</u>	SAMPLING FIRM / LOGGER: <u>STANTEC / JS</u>	HAMMER: <u>CME AUTOMATIC</u>	ALIGNMENT: <u>SR 749</u>	
PID: <u>112972</u> SFN: <u>N/A</u>	DRILLING METHOD: <u>3.25" HSA / NQ2</u>	CALIBRATION DATE: <u>4/24/18</u>	ELEVATION: <u>549.8 (MSL)</u> EOB: <u>25.5 ft.</u>	PAGE 1 OF 1
START: <u>3/8/23</u> END: <u>3/8/23</u>	SAMPLING METHOD: <u>SPT / NQ2</u>	ENERGY RATIO (%): <u>88.4</u>	LAT / LONG: <u>39.009452, -84.263076</u>	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTH	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	HOLE SEALED
								GR	CS	FS	SI	CL	LL	PL	PI	WC		
BLACK, ASPHALT	549.8																	
LIGHT BROWN, GRANULAR BASE	549.1	1																
VERY STIFF, DARK BROWN TO BROWN, CLAY, LITTLE GRAVEL, LITTLE SAND, SOME SILT, DAMP	548.8	2																
		3	4	16	44	SS-1	2.50	18	5	6	25	46	47	26	21	22	A-7-6 (13)	
		4	4	7														
		5																
		6	9	16	33	SS-2	2.50	18	5	6	25	46	47	26	21	22	A-7-6 (13)	
		7	5	6														
MEDIUM DENSE TO DENSE, BROWN, GRAVEL AND/OR STONE FRAGMENTS WITH SAND, SILT, AND CLAY, DAMP TO MOIST	542.8	7																
		8	7	16	17	SS-3	-	-	-	-	-	-	-	-	-	16	A-2-6 (V)	
		9	7	4														
		10																
		11	2	6	37	6	SS-4	-	-	-	-	-	-	-	-	11	A-2-6 (V)	
		12	6	19														
INTERBEDDED SHALE (60%) AND LIMESTONE (40%), RQD 21%, REC. 100%;	537.3	12																
SHALE , DARK GRAY TO GRAY, HIGHLY TO MODERATELY WEATHERED, VERY WEAK TO WEAK, VERY FINE GRAINED, LAMINATED TO VERY THIN BEDDED, ARGILLACEOUS, HIGHLY TO MODERATELY FRACTURED;		13	33	96	17	SS-5	-	-	-	-	-	-	-	-	-	1	Rock (V)	
LIMESTONE , LIGHT GRAY, MODERATELY WEATHERED, SLIGHTLY TO MODERATELY STRONG, FINE GRAINED, THIN BEDDED, ARENACEOUS, MODERATELY FRACTURED TO FRACTURED.		14	33	32														
		15	28		100	SS-6	-	-	-	-	-	-	-	-	-	5	Rock (V)	
		16	50/0"		100	NQ2-1											CORE	
		17	39															
		18																
		19																
		20	30		100	NQ2-2											CORE	
FROM 20.9 FT. TO 21.5 FT., UCR = 7,300 PSI		21																
FROM 22.1 FT. TO 22.5 FT., UCR = 9,570 PSI		22																
		23																
		24	0		100	NQ2-3											CORE	
		25																
	524.3	EOB																

NOTES: GROUND WATER NOT ENCOUNTERED WHILE DRILLING.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: ASPHALT PATCH; AUGER CUTTINGS MIXED WITH BENTONITE CHIPS

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PROJECT: <u>CLE-749-02.23</u>	DRILLING FIRM / OPERATOR: <u>STANTEC / GT</u>	DRILL RIG: <u>CME 45C#3 (812)</u>	STATION / OFFSET: <u>120+45, 6' RT.</u>	EXPLORATION ID <u>B-002-0-23</u>
TYPE: <u>GEOHAZARD EXPLORATION</u>	SAMPLING FIRM / LOGGER: <u>STANTEC / JS</u>	HAMMER: <u>CME AUTOMATIC</u>	ALIGNMENT: <u>SR 749</u>	
PID: <u>112972</u> SFN: <u>N/A</u>	DRILLING METHOD: <u>3.25" HSA / NQ2</u>	CALIBRATION DATE: <u>4/24/18</u>	ELEVATION: <u>550.9 (MSL)</u> EOB: <u>18.4 ft.</u>	PAGE 1 OF 1
START: <u>3/7/23</u> END: <u>3/7/23</u>	SAMPLING METHOD: <u>SPT / NQ2</u>	ENERGY RATIO (%): <u>88.4</u>	LAT / LONG: <u>39.009430, -84.262732</u>	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTH	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	HOLE SEALED	
								GR	CS	FS	SI	CL	LL	PL	PI	WC			
BLACK, ASPHALT	550.9																		
LIGHT BROWN, GRANULAR BASE	549.4	1																	
STIFF, DARK BROWN TO BROWN, SILT AND CLAY, SOME GRAVEL, SOME SAND, MOIST	546.4	2																	
		3	4	13	67	SS-1	1.50	26	17	11	26	20	33	19	14	20	A-6a (3)		
		4	5																
MEDIUM DENSE, BROWN, GRAVEL AND/OR STONE FRAGMENTS WITH SAND, SILT, AND CLAY, DAMP		5	7	5	16	67	SS-2	-	42	20	8	17	13	31	19	12	8	A-2-6 (0)	
	542.9	6	6																
		7																	
INTERBEDDED SHALE (70%) AND LIMESTONE (30%), RQD 26%, REC. 88%; SHALE, LIGHT BROWN TO GRAY, HIGHLY TO MODERATELY WEATHERED, VERY WEAK TO WEAK, VERY FINE GRAINED, LAMINATED TO THIN BEDDED, ARGILLACEOUS, HIGHLY TO MODERATELY FRACTURED; LIMESTONE, GRAY, MODERATELY WEATHERED, SLIGHTLY STRONG, FINE GRAINED, THIN BEDDED, ARENACEOUS, MODERATELY FRACTURED TO FRACTURED.		8	13	50/3"	-	100	SS-3	2.75	-	-	-	-	-	-	-	-	13	Rock (V)	
		9	25															CORE	
	532.5	10																	
		11																	
FROM 15.6 FT. TO 16.1 FT., UCR = 102 PSI		12	23			100	NQ2-2											CORE	
		13																	
	532.5	14																	
		15																	
FROM 17.6 FT. TO 18.0 FT., UCR = 48 PSI		16	30			100	NQ2-3											CORE	
		17																	
	18																		
		EOB																	

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PROJECT: <u>CLE-749-02.23</u>	DRILLING FIRM / OPERATOR: <u>STANTEC / GT</u>	DRILL RIG: <u>CME 45C#3 (812)</u>	STATION / OFFSET: <u>121+49, 8' RT.</u>	EXPLORATION ID <u>B-003-0-23</u>
TYPE: <u>GEOHAZARD EXPLORATION</u>	SAMPLING FIRM / LOGGER: <u>STANTEC / JS</u>	HAMMER: <u>CME AUTOMATIC</u>	ALIGNMENT: <u>SR 749</u>	
PID: <u>112972</u> SFN: <u>N/A</u>	DRILLING METHOD: <u>3.25" HSA / NQ2</u>	CALIBRATION DATE: <u>4/24/18</u>	ELEVATION: <u>551.2 (MSL)</u> EOB: <u>22.1 ft.</u>	PAGE 1 OF 1
START: <u>3/7/23</u> END: <u>3/7/23</u>	SAMPLING METHOD: <u>SPT / NQ2</u>	ENERGY RATIO (%): <u>88.4</u>	LAT / LONG: <u>39.009429, -84.262366</u>	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTH	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	HOLE SEALED		
								GR	CS	FS	SI	CL	LL	PL	PI	WC				
BLACK, ASPHALT	551.2																			
LIGHT BROWN, GRANULAR BASE	549.7	1																		
STIFF, LIGHT BROWN MOTTLED WITH GRAY, CLAY, SOME GRAVEL, TRACE TO LITTLE SAND, SOME SILT, DAMP	540.9	2	2																	
		3	3	9	28	SS-1	2.00	27	10	4	24	35	43	23	20	16	A-7-6 (9)			
		4	3																	
		5	3																	
		6	3	9	39	SS-2	2.25	27	10	4	24	35	43	23	20	14	A-7-6 (9)			
		7																		
		8	3	4	10	50	SS-3	1.00	22	6	3	29	40	46	26	20	20	A-7-6 (12)		
		9																		
		10																		
		INTERBEDDED SHALE (60%) AND LIMESTONE (40%), RQD 56%, REC. 94%; SHALE, DARK GRAY TO GRAY, HIGHLY TO MODERATELY WEATHERED, VERY WEAK TO WEAK, VERY FINE GRAINED, VERY THIN TO LAMINATED, ARGILLACEOUS, HIGHLY TO MODERATELY FRACTURED; LIMESTONE, LIGHT GRAY, MODERATELY WEATHERED, SLIGHTLY STRONG, FINE GRAINED, THIN BEDDED, ARENACEOUS, MODERATELY FRACTURED.	540.9	11	9															
12	30 50/3"			-	100	SS-4	-	-	-	-	-	-	-	-	-	6	Rock (V)			
13	0				36	NQ2-1												CORE		
14	72				98	NQ2-2												CORE		
15																				
FROM 18.1 FT. TO 18.5 FT., UCR = 6,770 PSI		16																		
		17																		
FROM 21.0 FT. TO 21.8 FT., UCR = 7,790 PSI		18																		
		19																		
		20	50		100	NQ2-3												CORE		
		21																		
	529.1	22																		
		EOB																		

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