

PROJECT: HAM-126-19.50			DRILLING FIRM / OPERATOR: NEAS / J. HODGES			DRILL RIG: CME 55 TRACK			STATION / OFFSET: 263+17, 88' RT.			EXPLORATION ID: B-001-0-24											
TYPE: BRIDGE			SAMPLING FIRM / LOGGER: HDR / D. MATCHISON			HAMMER: CME AUTOMATIC			ALIGNMENT: SR 126			PAGE 1 OF 1											
PID: 114652 SFN: 3118991			DRILLING METHOD: 3.25" HSA / NQ2			CALIBRATION DATE: 3/8/24			ELEVATION: 825.0 (MSL) EOB: 30.0 ft.														
START: 9/25/24 END: 9/25/24			SAMPLING METHOD: SPT / ST / NQ2			ENERGY RATIO (%): 79.9			LAT / LONG: 39.226022, -84.370410														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	HOLE SEALED		
			825.0								GR	CS	FS	SI	CL	LL	PL	PI					
VERY STIFF, BROWN MOTTLED GRAY, CLAY , "AND" SILT, LITTLE SAND, TRACE GRAVEL, DAMP @0.0' - 0.5': root hairs			820.0	1	2	5	15	67	SS-1	3.00	-	-	-	-	-	-	-	-	18	A-7-6 (V)			
				2	6																		
				3	4	6	19	67	SS-2	4.00	1	3	8	44	44	47	23	24	17	A-7-6 (15)			
				4	8																		
VERY STIFF, BROWN TO ORANGE-BROWN MOTTLED GRAY, CLAY , SOME SILT, LITTLE SAND, TRACE GRAVEL, NOTED BLACK IRON CONCRETIONS, DAMP @7.1' - 7.6': qu = 4,455 psf @9.0' - 9.5': auger grinding and chatter (limestone fragments)			815.0	5	3	4	16	67	SS-3	4.00	2	5	15	33	45	55	21	34	20	A-7-6 (19)			
				6	8																		
				7			92	ST-4	2.50	3	4	15	35	43	42	20	22	17	A-7-6 (13)				
				8																			
VERY STIFF TO HARD, BROWN MOTTLED GRAY, SILTY CLAY , LITTLE GRAVEL, LITTLE SAND, DAMP @16.5': brown shale at bottom of SS-7			807.5	9	9	16	53	89	SS-5	4.00	-	-	-	-	-	-	-	-	12	A-6b (V)			
				10	24																		
				11	11	19	56	67	SS-6	4.00	12	7	12	36	33	33	17	16	11	A-6b (9)			
				12	23																		
SHALE/LIMESTONE , GRAY, SEVERELY WEATHERED, VERY WEAK.			805.0	13	5	9	39	89	SS-7	3.50	-	-	-	-	-	-	-	-	21	A-6b (V)			
				14	20																		
				15	48	50/4"	-	90	SS-8	-	-	-	-	-	-	-	-	-	-	9		Rock (V)	
				16	50/5"	-	60	SS-9	-	-	-	-	-	-	-	-	-	-	-	8		Rock (V)	
INTERBEDDED SHALE (71%) AND LIMESTONE (29%) , JOINT AND BEDDING DISCONTINUITIES, FRACTURED TO HIGHLY FRACTURED, NARROW TO OPEN APERTURE WIDTH, SLICKENSIDED SURFACE, LAMINATED/SHEARED STRUCTURE, POOR SURFACE, RQD 7%, REC. 97%; SHALE , GRAY, MODERATELY TO HIGHLY WEATHERED, VERY WEAK, LAMINATED TO THIN BEDDED, ARGILLACEOUS; LIMESTONE , GRAY, MODERATELY TO HIGHLY WEATHERED, STRONG, VERY THIN TO THIN BEDDED. @20' - 20.8', 22.2' - 22.5', 24.2' - 24.5': Sc = 454 psi (combined point load test)			795.0	17																	CORE		
				18	13		100	NQ2-1															
				19																			
				20																			
				21	7		100	NQ2-2															
				22																			
				23																			
				24																			
				25																			
				26	0		87	NQ2-3															
NOTES: NONE			EOB																				
ABANDONMENT METHODS. MATERIALS. QUANTITIES: TREMIED 30 LB. BENTONITE GROUT: 30 GAL. WATER																							

PROJECT: <u>HAM-126-19.50</u>	DRILLING FIRM / OPERATOR: <u>NEAS / J. HODGES</u>	DRILL RIG: <u>CME 55 TRACK</u>	STATION / OFFSET: <u>264+14, 58' RT.</u>	EXPLORATION ID B-002-0-24
TYPE: <u>BRIDGE</u>	SAMPLING FIRM / LOGGER: <u>HDR / A. BARATTA</u>	HAMMER: <u>CME AUTOMATIC</u>	ALIGNMENT: <u>SR 126</u>	
PID: <u>114652</u> SFN: <u>3118991</u>	DRILLING METHOD: <u>3.25" HSA / NQ2</u>	CALIBRATION DATE: <u>3/8/24</u>	ELEVATION: <u>818.0 (MSL)</u> EOB: <u>21.8 ft.</u>	PAGE 1 OF 1
START: <u>9/24/24</u> END: <u>9/24/24</u>	SAMPLING METHOD: <u>SPT / NQ2</u>	ENERGY RATIO (%): <u>79.9</u>	LAT / LONG: <u>39.226078, -84.370100</u>	

[illegible]

ABANDONMENT METHODS, MATERIALS, QUANTITIES: TREMIED 40 LB. BENTONITE GROUT; 55 GAL. WATER

PROJECT: HAM-126-19.50	DRILLING FIRM / OPERATOR: NEAS / J. HODGES	DRILL RIG: CME 55 TRACK	STATION / OFFSET: 264+17, 65' LT.	EXPLORATION ID B-003-0-24
TYPE: BRIDGE	SAMPLING FIRM / LOGGER: HDR / A. BARATTA	HAMMER: CME AUTOMATIC	ALIGNMENT: SR 126	
PID: 114652 SFN: 3118991	DRILLING METHOD: 3.25" HSA / NQ2	CALIBRATION DATE: 3/8/24	ELEVATION: 822.0 (MSL) EOB: 24.5 ft.	PAGE 1 OF 1
START: 9/26/24 END: 9/26/24	SAMPLING METHOD: SPT / ST / NQ2	ENERGY RATIO (%): 79.9	LAT / LONG: 39.226401, -84.369991	

[illegible]

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 25 LB. BENTONITE CHIPS; TREMIED 25 LB. BENTONITE GROUT; 25 GAL. WATER

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 6/4/25 12:36 - C:\P\WORKING\EAST01\D3184708\HAM-126-19.50.GPJ

PROJECT: <u>HAM-126-19.50</u>	DRILLING FIRM / OPERATOR: <u>NEAS / J. HODGES</u>	DRILL RIG: <u>CME 55 TRACK</u>	STATION / OFFSET: <u>262+83, 82' LT.</u>	EXPLORATION ID <u>B-004-0-24</u>
TYPE: <u>BRIDGE</u>	SAMPLING FIRM / LOGGER: <u>HDR / A. BARATTA</u>	HAMMER: <u>CME AUTOMATIC</u>	ALIGNMENT: <u>SR 126</u>	
PID: <u>114652</u> SFN: <u>3118991</u>	DRILLING METHOD: <u>3.25" HSA / NQ2</u>	CALIBRATION DATE: <u>3/8/24</u>	ELEVATION: <u>823.0 (MSL)</u> EOB: <u>23.3 ft.</u>	PAGE
START: <u>9/26/24</u> END: <u>9/26/24</u>	SAMPLING METHOD: <u>SPT / ST / NQ2</u>	ENERGY RATIO (%): <u>79.9</u>	LAT / LONG: <u>39.226497, -84.370498</u>	1 OF 1

[illegible]

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 25 LB. BENTONITE CHIPS; TREMIED 30 LB. BENTONITE GROUT; 30 GAL. WATER