

Johnson

SW SW SE

13-13-21E

HTW DRILLING LOG

HOLE NO.
ALLMWOODS
SHEET 1
OF 5 SHEETS

1. COMPANY NAME **Bmcd** 2. DRILLING SUBCONTRACTOR **RAZEK**

3. PROJECT **AOC 11** 4. LOCATION **SFAAP**

5. NAME OF DRILLER **Rob Ray** 6. MANUFACTURER'S DESIGNATION OF DRILL **Geoprobe**

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT
8.85" HSA
6" AIR HAMMER (ROTARY)
8. HOLE LOCATION **AOC 11**
9. SURFACE ELEVATION
10. DATE STARTED **3/26/18** 11. DATE COMPLETED **3/30/18**

12. OVERBURDEN THICKNESS **3.3'** 15. DEPTH GROUNDWATER ENCOUNTERED **35'**

13. DEPTH DRILLED INTO ROCK **36.7'** 16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
28.32' TOC 4/9/2018 TD=42.90'

14. TOTAL DEPTH OF HOLE **40.0'** 17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES **NA** DISTURBED **NA** UNDISTURBED **NA** 19. TOTAL NUMBER OF CORE BOXES **NA**

20. SAMPLES FOR CHEMICAL ANALYSIS
VOC **NA** METALS **NA** OTHER (SPECIFY) **NA** OTHER (SPECIFY) **NA** OTHER (SPECIFY) **NA** 21. TOTAL CORE RECOVERY **NA** %

22. DISPOSITION OF HOLE **MW installed** BACKFILLED **NA** MONITORING WELL **Stock-up** OTHER (SPECIFY) **NA** 23. SIGNATURE OF INSPECTOR **Lewis Turner**
JTW

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	0	CLAY, with silt. dark brown (10YR 2/3). damp to moist. medium plasticity. medium consistency. CL mottling. reddish brown (5YR 4/4)	PID 0.0	NA	NA	NA	1330 DEGEN Drilling HSA
	1	CLAY, trace silt. reddish brown (5YR 4/4) damp. medium plasticity. medium to stiff consistency. CL	0.0				
	2		0.0				
	3		0.0				32 LCL=0.0% Og=22.9% Co=0.0
	4	SHALE, moderate yellowish brown (10YR 5/4) damp. sandy. highly weathered, trace plasticity slightly moist.	0.0				
	5	SHALE, moderate yellowish brown (10YR 5/4) damp. highly weathered, medium plasticity.	0.0				1338

Johnson

SW SW 2E

13-13-21E

HTW DRILLING LOG

HOLE NO.
All Mwoods

PROJECT
ADC 11

INSPECTOR
JTF

SHEET 2
OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	5	SHALE, moderate yellowish brown (10YR 5/4) and pale olive (10Y 6/2), damp, highly weathered, weak, friable.	0.0	NA	NA	NA	
	6	becomes dark yellowish orange (10YR 6/6)	0.0				Backfill 0-6' Bentonite. 3/26/18 1351
	7	Limestone, fossiliferous, yellowish gray (5Y 7/1), weathered, strong.					RESUME DRAWING FROM 6' BOX w/ AIR HAMMER. 3/30/18 1503 Log From Cuttings
	8	SHALE, light olive gray (5Y 5/1) damp, weathered weak.					HSA DRAWING 0-6' 1512
	9						
	10		0.0				BE LEL=0% O ₂ =20.8% CO=0.0
	11	Becomes moderate yellowish brown (10YR 5/4)					
	12						
	13						1502
	14	Limestone, fossiliferous, yellowish gray, (5Y 7/1), strong.					

PROJECT
ADC 11

HOLE NO.
All Mwoods

051801

3700.0 SW SW 22

12-13 21E

HTW DRILLING LOG

HOLE NO. Allmwoods

PROJECT Asc 11

INSPECTOR JFZ

SHEET 3 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	14	Limestone, fossiliferous, yellowish gray (54 7/8) strong		NA	NA	NA	Hard drilling
	15						
	16						
	17						
	18	Limestone becomes light olive gray. (54 6/8)					1535
	19						
	20	SHALE, grayish black (w/2) damp. weak.	0.0				Softer drilling. BZ LEL=0.0% O ₂ =20.9% CO=0.0
	21						
	22						
	23						

Johnson SW SW SE

13-13-21E

HTW DRILLING LOG							HOLE NO. Allmwoods
PROJECT AOC 11			INSPECTOR JTF			SHEET 4 OF 5 SHEETS	
ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	23	Shale, grayish black (N2) damp. weak.		NA	NA	NA	1545
	24						
	25						
	26						
	27						
	28						1550
	29	Limestone, pale yellowish brown (10% b/s) damp.					Hard drilling
	30	Fossiliferous	0.0				BZ LEL=0.0% O2=20.9% CO=0.0
	31						
	32						

Johnson

SW SW SE

13-13-21E

HTW DRILLING LOG

HOLE NO. AHMWOODS

PROJECT AOC 11

INSPECTOR JF7

SHEET 5 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	32	Limestone, pale yellowish brown (w/ r/b) damp.		NA	NA	NA	
	33						1604
	34	w/ shale bedding. grayish black (w/)					
		SHALE, grayish black (w/)					
		damp to moist.					
	35	dark gray (w/)					Easy drilling. Sample clumping moisture.
	36						
	37						
	38	wet.					BZ-LEL = 0.0% O ₂ = 20.9% CO = 0.0 1616
	39						
	40		0.0				STOP Drilling Allow core to set. 1622
	41						