PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 1 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/10/2022
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS

Hypothesis: starting drilling on top of Wreford limestone

6" units

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

Top 11 ft are casing - first core will start at a depth of 11 ft

Casing

Pull 1: recovered 106" (target 108") bottom at 20'

11' to 15'11" - dusty limestone - Wreford limestone?

Substantial fractures at 12'7" to 12'11", 13'5" to 13'7", 14' to 14'9"

Iron staining in fractures from 13'10" to 14'9"

15'11" to bottom (20') - black shale with lots of fossils

top 5" (15'11" to 16'4") gradational between limestone and shale

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 2 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/10/2022
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
20										Pull 2: 9'8½" recovered
21	Pull 2 - 10'									Black/gray shale - Speiser Shale?
22	9'8" recovered									lots of fossils down to 27'
23										
24										
25										
26										
27										27' to 29' interbedded with layers that are clayier/muddier
28										
29										
30										Shale with clay stringers - starting to redden @31'
31	Pull 3									
32	8'									
33	Recovered 8'4"									
34										
35										noticeably red @35'
36										
37										
38										still red + muddy, especially around fractures
39	Pull 4									
40	2' recovered 2'									

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 3 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/10/2022
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
40										
41										40'10" to 43'2" got jumbled/fell removing from barrel - may not be in order - muddy red stone with grave - not well consolidated
42										
43	Pull 5 10' 10'1" recovered									
44										~43'5" shift to white/green interbedded limestone, very clean
45										
46										some evidence of water in green layers esp. near top
47										
48										
49										
50										
51										same white/green interbedded stuff -
52										more massive/green
53	Pull 6 10' recovered 9'10.5"									
54										53.5' start of thin black layers mixed in with green
55										
56										55' to 56.5' more massive white inclusions
57										56.5' to bottom mostly blk/green with black layers
58										
59										

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 4 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/10/2022
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

60'

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
60										60' to 61'4" white/ more massive
61										61'4" to 64'6" green and white, slabby texture
62										
63										
64										64'6" to 65' thin green shale (?) bed
65										65' to 65'4" limestone with lots of fossils
66										65'4" to 67' massive blue/gray limestone
67										67' to 70'9" thin interbedded white/blue/gray
68										
69										
70										
71										70'9" to 71'9" white/speckled with thin black layers
72										71'9" to 76'6" greenish clayey especially goopy at 72'9" and 76'2"
73										
74										
75										
76										76'6" to 77'6" fossiliferous white/gray
77										77'6" to 78'6" thinly striated gray/green
78										78'6" to 80' no texture gray/white
79										

Pull 7
10'
recovered 10'

Pull 8
2'6" — short because of fracture welded rock in tube
recovered 2'4"

Pull 9
7'6"
recovered 7'7.5"

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 5 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/10/2022
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
80										
81										80 - 81'6" mostly white with faint beds
82	Pull 10 10' recovered		10'1"							81'6" to 86'8" thin blk/green beds
83										
84										
85										
86										
87										86'8" to 95'1" fossil-rich limestone lots of little clam shells esp. 88-90'
88										
89										
90										
91										
92	Pull 11 10' recovered 9'10"									92-95' lots of big shells
93										
94										
95										
96										95'1" to 98'6" green mudstone some smooth/slick contacts at fractures
97										
98										
99										98'6" to bottom red clayey mudstone

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 6 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS

10 1
10 2
10 3
10 4
10 5
10 6
10 7
10 8
10 9
11 0
11 1
11 2
11 3
11 4
11 5
11 6
11 7
11 8
11 9

Pull 12
10'
recovered 10' ½"

Pull 13
10'
recovered 10' ½"

to 102' 5"
red clayey mudstone

102' 5" to 104' 8" interbedded black/white

~~104' 8" to 105' 6" massive white beds~~

105' 6" to
alternating black/white with shells - green tinge around shells - algae?
Course limestone?

more of the same

115' - 117' lots of little white nodules

117' - 119' 4" more massive blue/gray

119' 4" to 120" reddish tint blue/gray with some cobbles

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 7 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/11/2022
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD / SAMPLING METHOD	
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD / FINAL DEPTH TO WATER	

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
121										120' to 121'6" green shale/mudstone with lots of inclusions up to 1/2" in size,
122	P11 14 10' recovered	9'1"								121'6" to 122'4" green shale mixed with limestone (?) chunks
123										122'4" to 124'6" clean white limestone
124										
125										to 125'4" grading into greener
126										125'4" to 140' (at least) swirlishly green intermixed with white
127										increasingly green with depth with white inclusions
128										
129										
130										
131	P11 15 10' recovered 10'									from 132'6" down to 140'6" dense dark green shale with some white inclusions
132										
133										
134										
135										
136										
137										
138										
139										

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PROJECT: ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 8 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/11/2022
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
141	Pull 16 10' recovered 10' (lot of fractured/ dissolved zone mixed to measure)								Eiss limestone?	more dark green shale to 140'6"
142										140'6" to 141'8" large limestone chunks in green matrix
143										141'8" to 144' dark green shale
144										144' to 144'6" med slickensides in thin tan brown layer
145										144'6" to 145'4" greenish limestone
146										145'4" to 146'7" blue/gray limestone
147										146'7" to 147'4" heavily fractured/rubble
148										147'4" to 152' clean white limestone with some pitting/fractures
149										
150										
151	Pull 17 10' recovered 10'									
152										152' to 155' more irregular bedding, getting grayer
153										
154										
155										
156										155' to lots of fossils mixed in, shells and little nodules dark gray
157										
158										
159										

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 9 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
161										Little bit of poosity top 6" to 161'8" lots of little white circles -oolites? nodules?
162	Pull 18 10' recovered 10'									161'8" to 169' dark green thin beds, some big shells
163										
164										
165										→ crinoid shell at 165'6"
166										
167										
168										
169										bottom 8" lots more white circles
170										169' to 170'6" white gray limestone
171										170'6" to 172'4" platy limestone - lots of old shells? or just weird wavy pattern?
172	Pull 19 10' recovered 9'11"									172'4" to 173'8" clean white bed; vertical fracture 172' to 172'8"
173										
174										173'8" to 175'6" dark gray with white bubbles
175										
176										175'6" to 181'6" dark gray with a couple thin white beds
177										
178										
179										

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 10 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/11/2022
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
181	Pull 20		10'2"							to 181'6" dark gray
182	10'									181'6" to 183'6" buff/white with shell fossils
183	recovered									
184										183'6" to 189' dark red shale greenish shale tint in parts
185										
186										
187										
188										
189										189' to 190'6" green shale? green/white layers
190										190'6" to 191' white massive limestone
191										191' to 193' green/white beds
192	Pull 21		9'10"							
193	10'									193' to 193'8" white massive limestone
194	recovered									193'8" to 194' thin black/white layers by sharp contact at bottom
195										194'1" to 197'2" green shale
196										
197										→ sharp contact
198										197'2" to white limestone gray beds starting ~ 199'6"
199										

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 11 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/11/22
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
200	Pull 22 10' recovered 10'									white limestone with gray bands lots of fusilinids ~ 200-201'
201										
202										202'6" to 207' lighter section
203										
204										
205										
206										
207										
208										
209										
210										lots of fusillinids
211										fusilind layer
212	Pull 23 10' recovered 10' 1.5"									212' to 213'6" massive white with specks
213										
214										213'6" to 215'6" massive brownish-white with blue veins
215										
216										215'6" to 217'6" swirly blue/gray
217										
218										black/white interbedding
219										218'10" to 219'5" white shell layer?
										black/gray layers

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 12 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/11/2022
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
221										220' to 221'6" black/gray interbedded
222	Pull 23 10' recovered	9'11½"								221'10" to 223'4" limestone massive with thin white/yellow shale
223										223'4" to 231' massive black shale with large white inclusions (nodules?)
224										
225										
226										some fossil aids, sparse
227										
228										
229										
230										
231										231' to 232'5" white limestone loaded with tiny fossils
232	Pull 24 10' recovered	10'2"								
233										232'5" to 234'4" dark black/gray shale thin/platy splitting at bottom
234										
235										
236										234'4" to 237'6" massive white limestone with tiny fossils - occasional black/gray bed → thick shell layer
237										
238										237'6" to 239'11" green massive some tiny shells
239										239'11" to – red bed

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 13 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/11/2012
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
241										240' to 245'6"
242										rich red color - shale?
243	Pull 25 10' recovered		10'½"							yellowish edge color 241'6" to 244'
244										some blue/green inclusions
245										
246										245'6" to 247'4"
247										green, lots of tiny fossils
248										247'4" to 248'10"
249										chalky white with green veins and some thin layers
250										248'10" to
251										massive, chalky white with some blue veins
252										251' to 266'9"
253	Pull 25 10'									mostly massive white limestone with occasional
254	recovered	10'1"								skinny, wiggly black layer
255										some pitting esp 253'6" to 254'
256										254'6" to 258'6"
257										1 cm shell @ 257'2"
258										
259										1 cm shell @ 260'

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 14 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/12/2022
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
1–9	Pull 27 10' 9'11½"									251' to 266'9" some - mostly massive white limestone with occasional black layer. pitting - Joe's interpretation, little shale/chert bits getting washed out around drill side by drilling fluid
0–9	Pull 28 10' recovered 10'									266'9" to 269'10" darker gray/green with black layers } thick shell layer 270' - 271'8" clean white underlain by green 271'8" to 272'8" white with blocky texture 272'8" to 276'2" thin-bedded greenish limestone 276'2" erodible shale thin 6" dark black bed - contact the one below supervision? grades black → green → red

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRCWTD	SHEET 15 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/12/2022
TIME STOP	DRILLER Joe, Connor, Cole	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
1	Pull 29 10' recovered	10'								280' to 281'6" muddy green shale
2										281'6" to 282'6" white with skinny green veins
3										282'6" to 285'6" green matrix with large white blobs a few inches
4										
5										
6										285'6" to 287' darker gray with thin black beds
7										287' to 287'6" muddy green shale
8										287'6" to 291'4" thin black/white beds, getting white with depth
9										
0										
1										291'4" to 293'4" massive with voids
2	Pull 30 10' recovered	10 3/4"								
3										293'4" to 293'10" shaley green layer
4										to 295'6" white
5										thin black/white beds
6										black/white beds with bits of fusilinid fossils
7										
8										298' to light gray shale with some fossils at top
9										

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 1 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/13/2022
TIME STOP	DRILLER Joe, Connor	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
0	Pull 31 10' recovered	10' 1½"								300' to 301'8" dark gray/green shale
1										
2										301'8" to 307'4" mostly white/gray, lots and lots of fossils esp. fossil molds
3										
4										
5										
6										
7										307'4" to 311' fewer fossils, more uniform gray color but still some shells
8										
9										
0	Pull 32 10' recovered	9 11"								→ big 1cm snail? shell
1										311' to 318'2" dark gray but more fossil-rich occasional thin black layer
2										
3										
4										
5										
6										
7										
8										bottom foot - super fossily, fenestri-esque
9										318'2" to bottom darker gray/black shale, occasional fossil

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 17 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/13/2022
TIME STOP	DRILLER Joe, Connor	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
1	Pull 33 10' recovered 10'2"									319'2" to 321'9" darker gray/black with layering
2										321'9" to 325' predominantly white with some black sections, fewer fossils
3										
4										
5										shell layers
6										325' to 328'3" darker gray/black with lots of fossils of varying types
7										
8										
9										328'3" to 333'8" white/gray in bet still lots of fossils
0										
1										
2	Pull 34 10' recovered 9'10"									especially fossiliferous - dense with fossils bottom 2'6"
3										
4										333'8" to bottom
5										dark green shale -
6										
7										
8										distinct layering bottom 2'
9										→ 2" shell in bottom

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PROJECT:

ROCK CORE LOG

BORING NO.	PROJECT NO. AIMS	LOCATION YRWTD	SHEET 18 OF
TIME START	DRILLING CONTRACTOR KGS	DRILLING EQUIPMENT	DATE 5/13/2022
TIME STOP	DRILLER Joe, Connor	DRILLING METHOD	SAMPLING METHOD
TOTAL DEPTH	BACKFILL MATERIAL	WATER FIRST ENCOUNTERD	FINAL DEPTH TO WATER

DEPTH (FT)	CORE RUN (IN)	RECOV. CORE LENGTH (IN)	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	RQD (%)	FRCT. DENSITY (# PER FT)	PENETRATION RATE (FT/HR)	SMPL. FOR TEST	GRAPHIC LOG	DESCRIPTION/LITHOLOGY/COMMENTS
1	Pull 35 8' recovered 8'1"									338' 10" to 345' light gray/white limestone with some darker, fusilid-rich sections
2										
3										
4	→ bubbles coming up around pipe – some gas escaping?									→ very clean
5										345' to bottom blue/green grading into dark black shale
6										
7										interpretation: we are near the bottom of the Americus limestone member of Fraker limestone
8	348'									
9	→ tossing bottom 4 1/2" of core – don't want to start a new box for it									DONE DRILLING – do not want to risk it with the gas and we think we are not going to hit water
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										

LOGGED BY: Zipper OFFICE: DATE: