

PR-CARBON CREEK
7G(3)C-2.
DRILL & CORE
LOGS.
(BOOK C-3).

2/14

DRILL FILE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

00 501

UTAH MINES LTD.
DRILL & CORE LOG

PR-CARBON CR-76 (3)e-z

HOLE NO. 75-67

DRILLED BY: U. Malachowski

DATE: Aug. 26/75

ELEV:	3180
N:	361,725
E:	57,850

HOLE SIZE:	HQ (2 1/2")
AIR	<input type="checkbox"/>
WATER	<input checked="" type="checkbox"/>
T.D.	436'
P.D.	

HOLE NO. 75-67

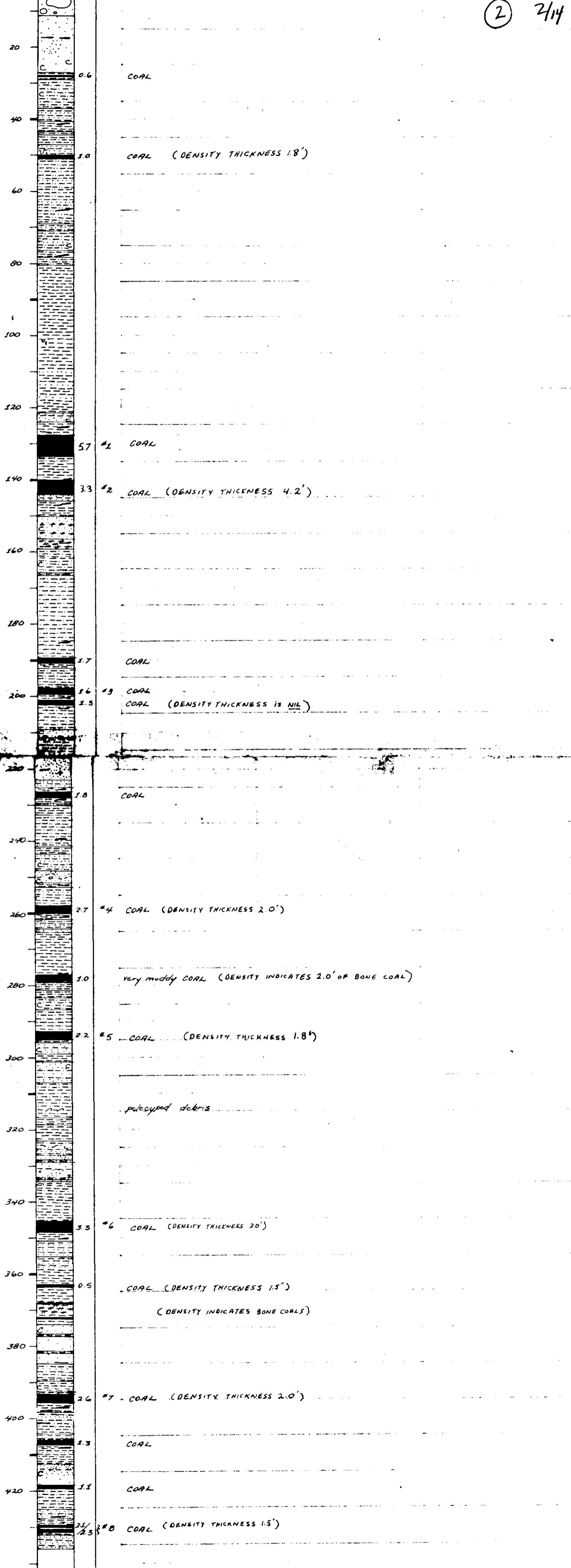
PROJECT: Carbon Creek

LEASE: 327

SEC. T. R.

# REC	DEPTH	STRIP LOG	THICK	SAMPLE NO.
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LITHOLOGY



76(3) C-2
Bor L C3

Pr - CARBON OR - 16(3) C-2

UTAH MINES LTD.
DRILL & CORE LOG

HOLE NO. 75-68

DRILLED BY: U. Malachowski

DATE: Aug 28/75

ELEV: 4055

N: 365,075

E: 51,450

HOLE SIZE: HQ (2 1/2")

AIR WATER

T.D. 539' P.D.

HOLE NO. 75-68

PROJECT: Carbon Creek

LEASE: 3491

SEC. T. R.

% REC DEPTH STRIP LOG

THICK

SAMPLE NO.

LITHOLOGY

HOLES

STRIPE LOG

THICK

SAMPLE NO.

PR-CARBON CR 76 (3)C-2
UTAH MINES LTD.
DRILL & CORE LOG

HOLE NO. DDH 76-68

LOG BY: J. Woywitka

DATE: Sept 7, 1976

ELEV. 4055

N: 365,075

E: 51,450

HOLE SIZE HG (2 1/2")

AIR

WATER

1072.0

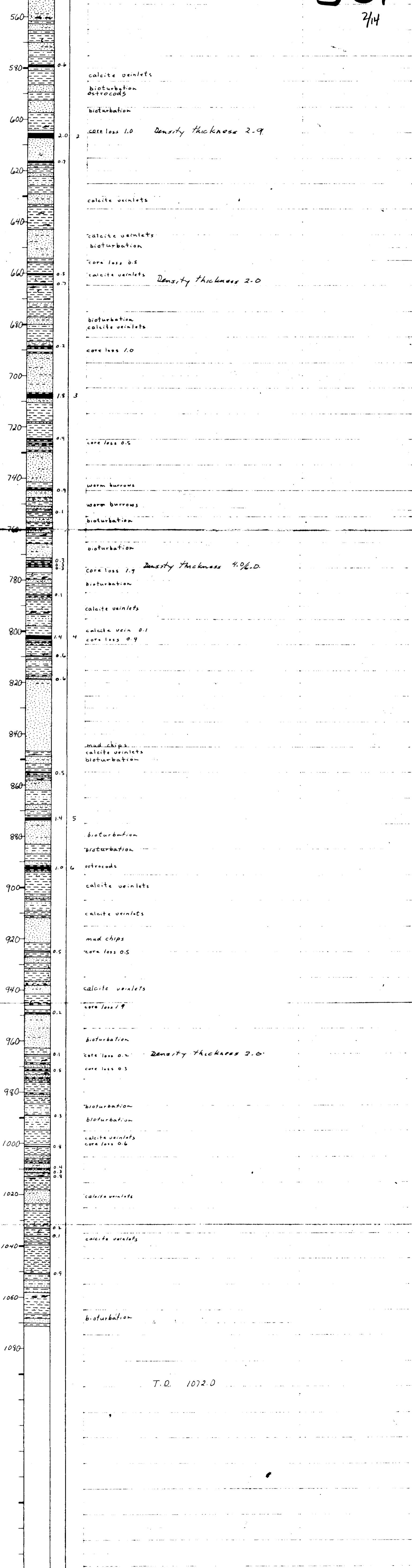
HOLE NO. DDH 76-68

PROJECT: Carbon Creek

LEASE:

SEC T R

REC #	DEPTH	STRIPE LOG	THICK.	SAMPLE NO.	
					LITHOLOGY



PR-CARBON CR. 76 (3) C-2

UTAH MINES LTD.

DRILL & CORE LOG

HOLE NO. 76-71

DUG BY I. Waymouth & E. Hetherington

DATE July 2, 1976

HOLE NO. 76-71

PROJECT Carbon Creek

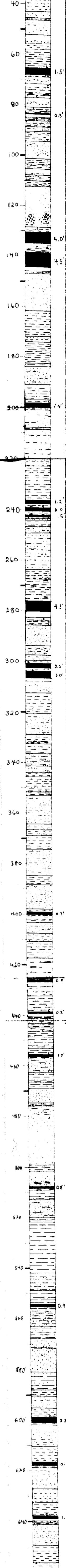
LEASE Lot 325

SEC T R

REC DEPTH STEP LOG THICK SAMPLE NO

ELEV ± 3150	HOLE SIZE HQ
N 39° 6.50' N	AIR <input type="checkbox"/>
E X 63,800 E	WATER <input checked="" type="checkbox"/>
TD 946.0	PD 93.2

LITHOLOGY



Lithology

Overburden

pebble conglomerate interbedding

core loss 0.4'

Density Thickness 2.0

calcite veinlet

recovery 1.3' Density Thickness 3.0

calcite veinlet

small crossbeds

Density Thickness 4.3

core loss 1.6'

5.0

178.4 - 197.6' Anthracite coal

332.2 - 332.6' coal interbed

core loss 1.8'

Density Thickness 5.0

core loss 1.6'

CALCITE VEINLET AT 449.6'

core loss 0.5'

wurm burrows

Density Thickness 2.0

core loss 0.5'

wurm burrows

Density Thickness 2.0

core loss 0.5'

wurm burrows

501

(5) 2/4

HOLE NO. _____

PR-CARBON 76(3)C-2

UTAH MINES LTD.
DRILL & CORE LOG

HOLE NO. DDH 76-72

LOG BY J.Waynertka

DATE July 10/76

ELEV 3260

N 39°28'52.4"

E 103°16'2.8"

TD 1116 PD 123

HOLE SIZE 4 1/2" PROJECT Carbon Creek

AIR WATER LEASE C-2

SEC 1 T 3 R 10

RECORDED BY D. W. COOPER

PRINTED BY D. W. COOPER

LOG NUMBER 76-72

LOG DATE 7/10/76

LOG TIME 10:00 AM

LOG LENGTH 1116 ft

LOG DEPTH 123 ft

LOG FLOOR 103°16'2.8"

LOG ELEVATION 3260 ft

LOG NORTHING 39°28'52.4"

LOG EASTING 103°16'2.8"

LOG TD 1116 ft

LOG PD 123 ft

LOG SLOPE 0.1%

LOG DIP 0.0%

LOG DRAINS 0.0%

LOG SWINGS 0.0%

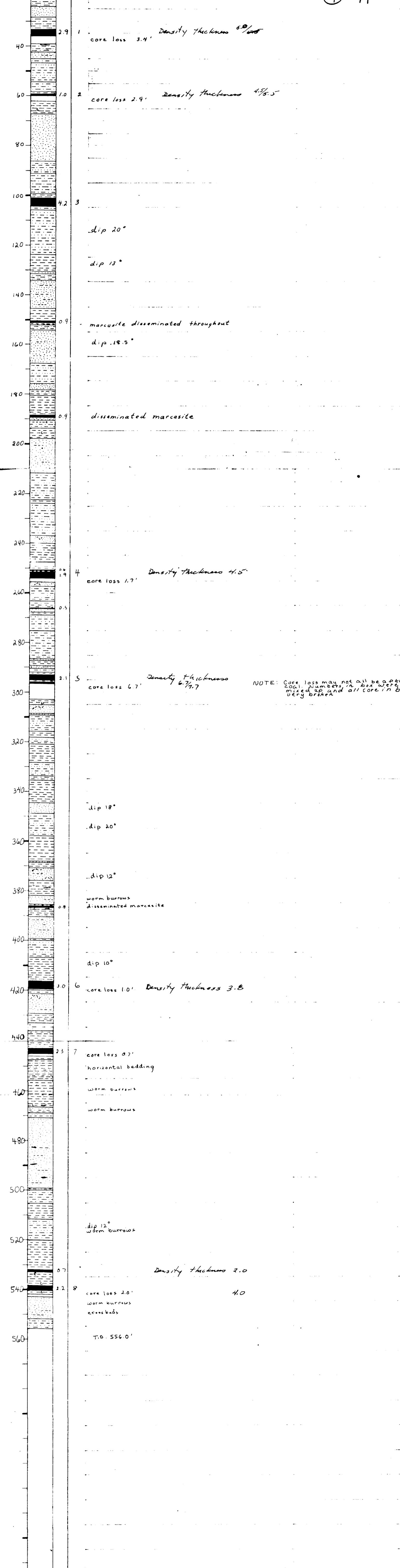
LOG SPANS 0.0%

LOG SPAN 0.0%

Po. CARBON 76 (B) C-2
UTAH MINES LTD.
DRILL & CORE LOG

HOLE NO. DDH 76-73
LOG BY T. Woywitka
DATE July 16, 1976
ELEV. 3980
N 339.00
E 60.000
HOLE SIZE 4 $\frac{1}{2}$ (24 $\frac{1}{2}$ "')
AIR WATER
T.D. 556.0 P.D. 553.0
PROJECT: Carbon Creek
LEASE: 3474
SEC. _____ T. _____ R. _____

% REC.	DEPTH	STRIP LOG	THICK	SAMPLE	TIME	LITHOLOGY
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PL - CARBON CR 76 (3) C-2
UTAH MINES LTD.
DRILL & CORE LOG

LOD BY: J. Waywitka

DATE: July 23 1974

% RE	DEPT	STRI LOG	THIC	SAMP NO
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3-2-29-29

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100-10

AIR WATER

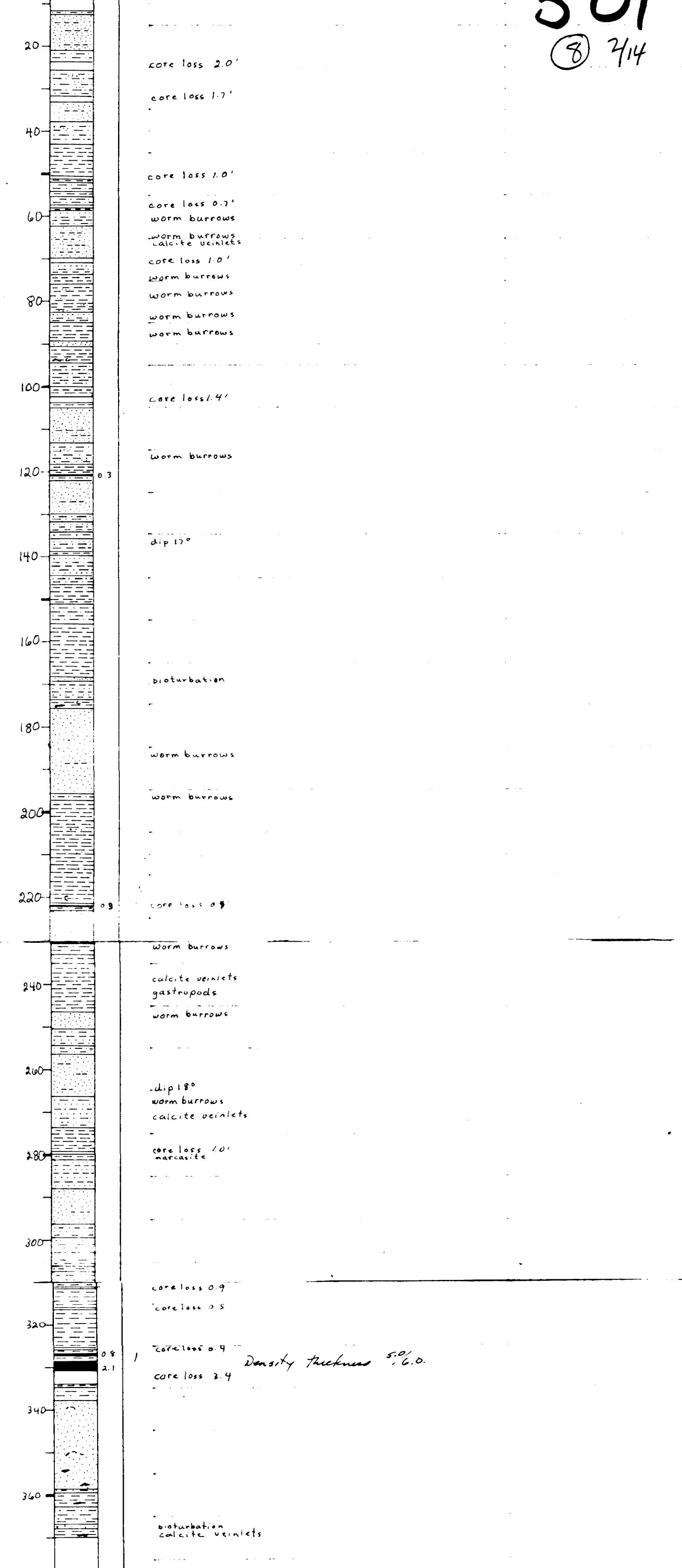
LEASE: 1 . 1 . 2010

SEC. _____ T. _____ R. _____

Digitized by srujanika@gmail.com

50

overburden



PQ-CARBON #276 (B) C-2
UTAH MINES LTD.
DRILL & CORE LOG

HOLE NO. DDH 76-75

LOG BY: J. Waywitka

DATE: July 28/76

ELEV: 3125
N: 34°45'0"
E: 59400

HOLE SIZE: HQ
AIR WATER
T.D. 351.0 PD 333

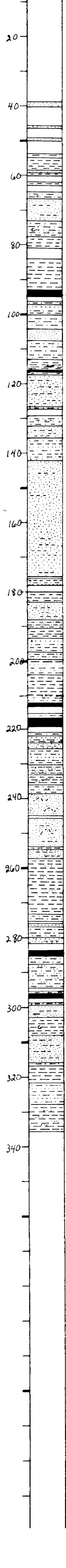
HOLE NO. DDH 76-75

PROJECT: Carbon Creek

LEASE: Lot 325

SEC. T. R.

% REC	DEPTH	STRIP LOG	THICK	SAMPLE NO.	LITHOLOGY
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overburden
oxidized core loss 5.1'
oxidized core loss 2.1'
worm burrows
core loss 3.4'
oxidized core loss 2.0'
core loss 2.4'
calcareous varvelet
core loss 3.0'
core loss 1.0' Density thickness 4.0
core loss 1.3'
bioturbation
bioturbation
crossbeds
core loss 0.6'
core loss 2.0'
core loss 1.4' Dens. thick 2.0
core loss 1.9' Density thickness 3.5'
crossbeds
pelecypods
worm burrows
core loss 0.9'
crossbeds
worm burrows
core loss 0.2'
worm burrows
core loss 1.6'
marcasite
core loss 1.0'
core loss 1.0'
Density thickness 3.5
Density thickness 1.8.

501
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HOLE NO. _____

Mr. Carbon Cr. 76 (S) C-2

UTAH MINES LTD.

DRILL & CORE LOG

HOLE NO. _____

See by: J. Waywita
FEB 21 1976

DATE: July 31 78

% RE	DEPT	STRI LOG	THIC
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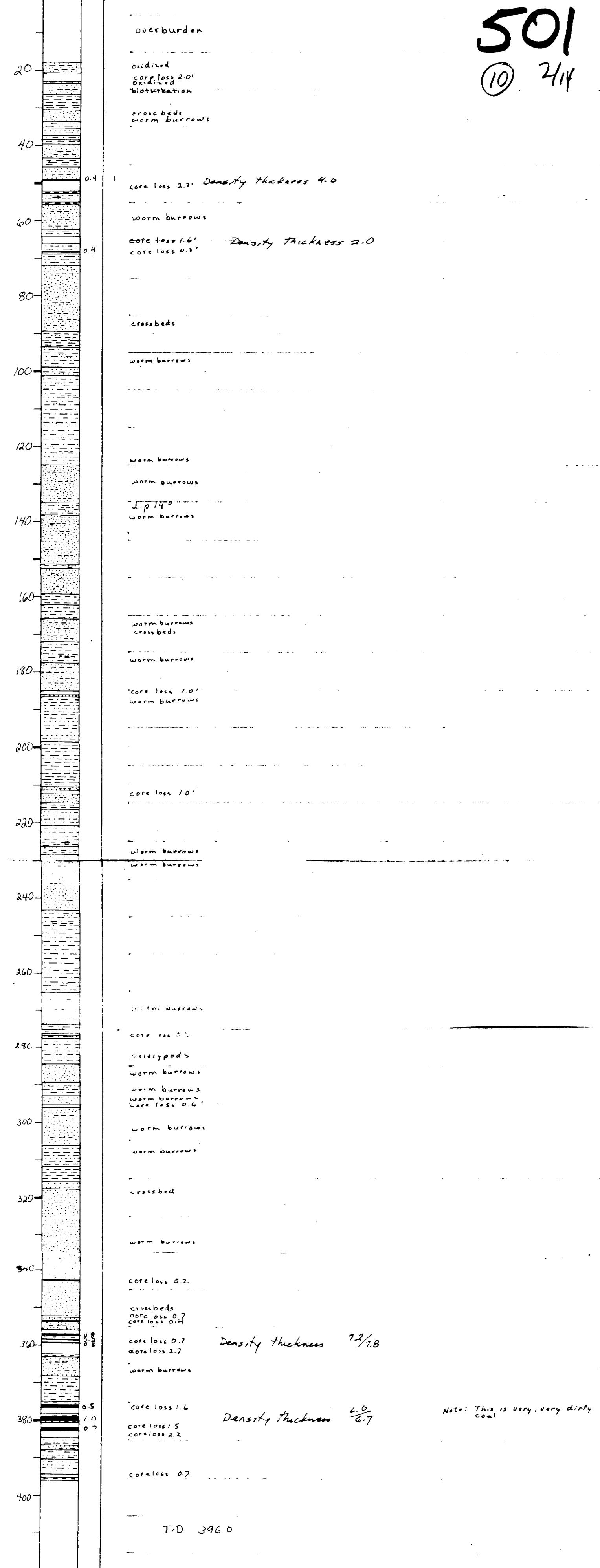
N: 347, 635
E: 58, 325

AIR WATER
T.D. 3960 P.D.
LOGY

PROJECT: Carbon Creek

SEC. _____ T. _____ R. _____

ANSWER *What is the name of the author of the book?*



PR. CARBON CR 76 (3) C-2
UTAH MINES LTD.
DRILL & CORE LOG

HOLE NO. DDH 76-77

LOG BY J Waywitka

DATE: Aug 4 76

ELEV:	N:	E:
STRIPE LOG	THICK	SAMPLE NO.

HOLE SIZE: HQ (2 1/2")	
AIR <input type="checkbox"/>	WATER <input checked="" type="checkbox"/>
T.D. 246.0	P.D. 240

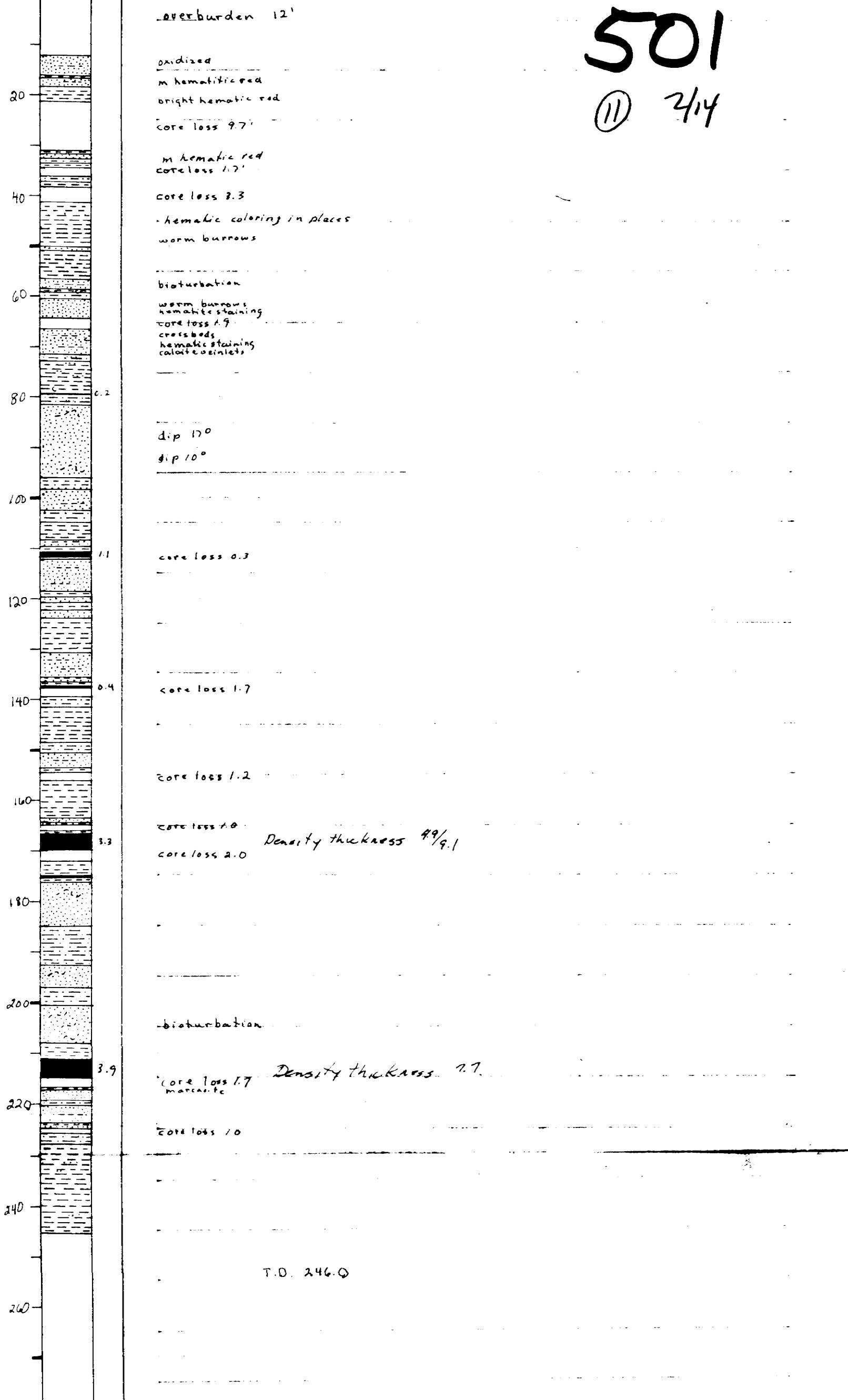
HOLE NO. DDH 76-77

PROJECT: Carbon Creek

LEASE: _____

SEC. _____ T. _____ R. _____

% REC	DEPTH	STRIPE LOG	THICK	SAMPLE NO.	LITHOLOGY
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PR. CARBON CR 76 (3) H-2

UTAH MINES LTD.
DRILL & CORE LOG

HOLE NO. DDH 76-78

LOG BY: J. Woywitka

DATE: Aug 7/78

ELEV.: 3270
N: 342,050
E: 60,950

HOLE SIZE: HQ (2 1/2")	
AIR <input type="checkbox"/>	WATER <input checked="" type="checkbox"/>
T.D. 196.0	F.D. 193.0

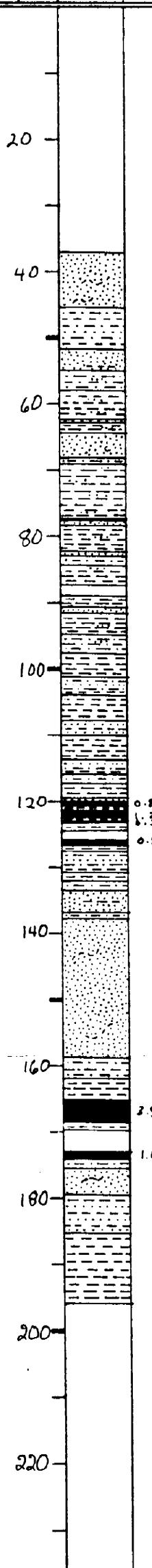
HOLE NO. DDH 76-78

PROJECT: Carbon Creek

LEASE:

SEC. T. R.

% REC	DEPTH	STRIP LOGS	THICK	SAMPLE NO.	LITHOLOGY



overburden 37.0

oxidized

dip 9°

crossbeds

bioturbation

bioturbation

marcasite

core loss 1.6
calcite veinlets

bioturbation

Density thickness 3.7/4.7
core loss 1.4

bioturbation

Density thickness 5.5

core loss 3.2

bioturbation

crossbeds

Density thickness 1.8

T.D. 196.0

(12)

24

501

PL-CARBON CR 76(3)C-2
UTAH MINES LTD.
DRILL & CORE LOG

HOLE NO. DDH 76-79

LOG BY J Woywitka

DATE: Aug 9 1976

ELEV: 3340
N: 339,950
E: 62,780

HOLE SIZE: HQ (2 1/2")
AIR WATER
T.D. 356.0 PD.

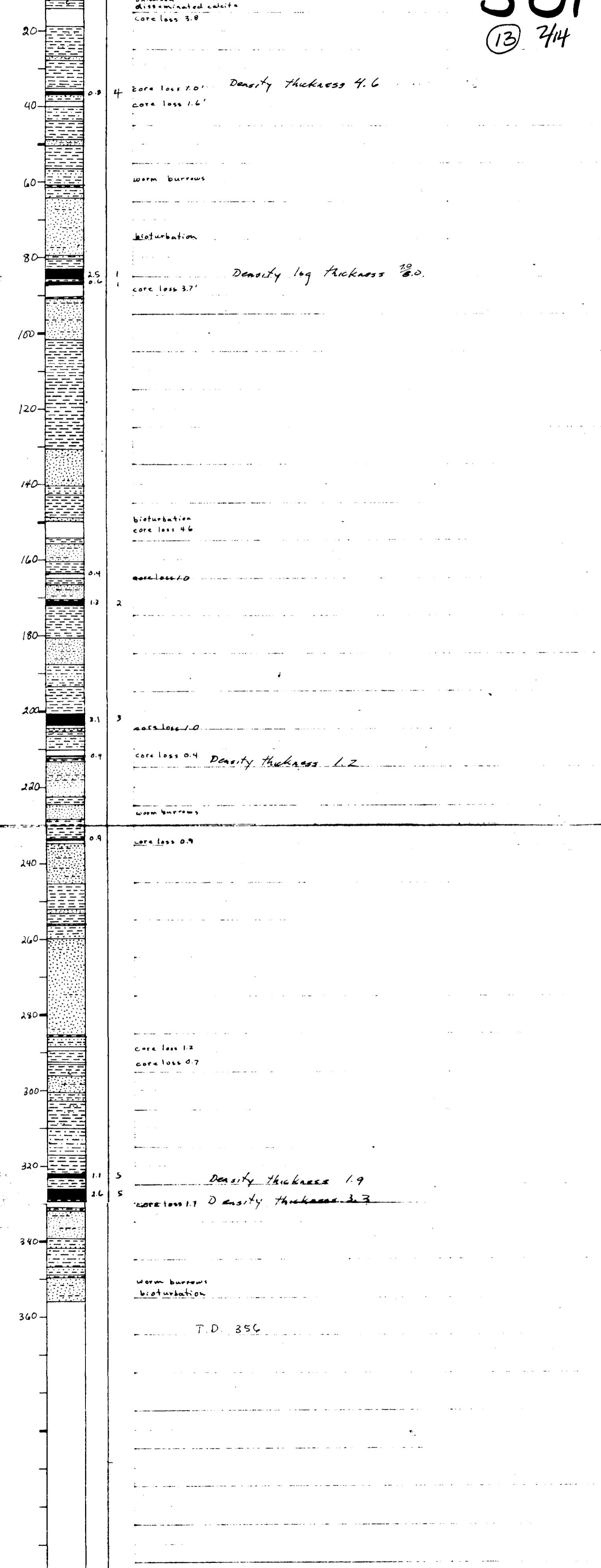
HOLE NO. DDH 76-79

PROJECT: Carbon Creek

LEASE: 3473

SEC. T. R.

% REC	DEPTH	STRIP LOG	THICK	SAMPLE NO.		LITHOLOGY	
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PR-CARBON DR 76 (3) C-2

UTAH MINES LTD.

DRILL & CORE LOG

HOLE NO. DDH 76-80

LOG BY: J. Woywitka

DATE: Aug 13 76

ELEV. _____
N. _____
E. _____HOLE SIZE: HQ (2 1/2")
AIR WATER
T.D. _____ P.D. _____

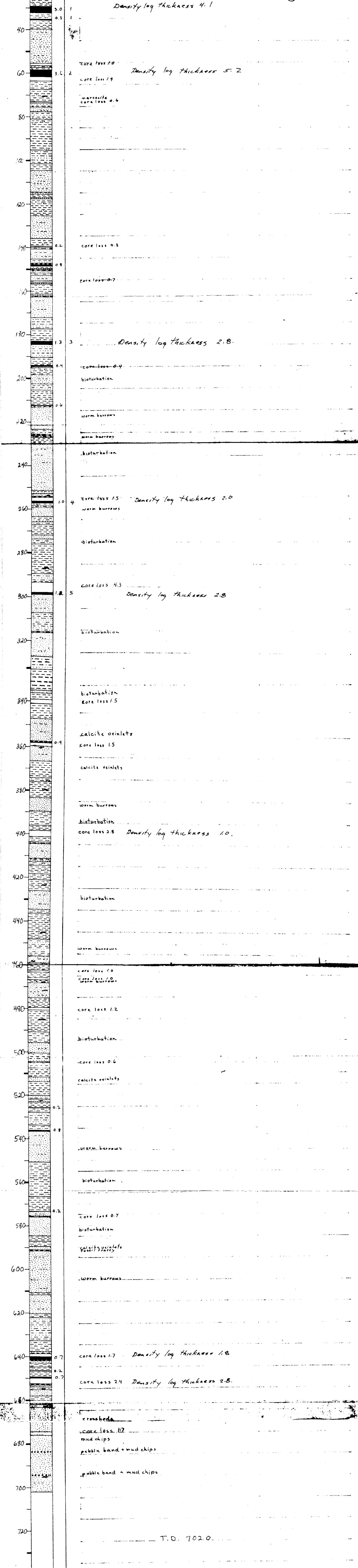
HOLE NO. DDH 76-80

PROJECT: Carbon Creek

LEASE: 321 (Burns Lease)

SEC. _____ T. _____ R. _____

% REC	DEPTH	STRIP LOG	THICK	SAMPLE NO.	LITHOLOGY
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Pr. Carbon Cr 1/4 (3) C-2

UTAH MINES LTD.
DRILL & CORE LOG

HOLE NO. DDH 76-81

LOG BY: J. Doybitka

DATE: Aug 19 1976

ELEV: 3280
N: 345730
E: 63550

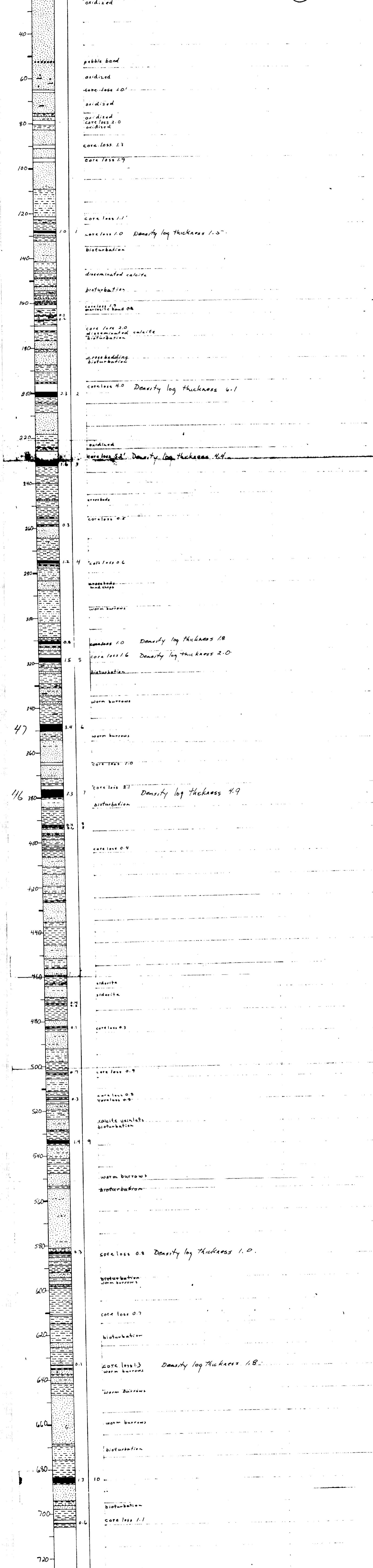
HOLE SIZE: HQ (2 1/2")
AIR WATER
TD 706.0 PD 203.0

HOLE NO. DDH 76-81

PROJECT: Carbon Creek
LEASE: 364 (Burnside Co.)
SEC. _____ T. _____ R. _____

% REC	DEPTH	STIP LOG	THICK	SAMPLE NO.
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LITHOLOGY				
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UTAH MINES LTD.
DRILL & CORE LOG

LOG BY: J. Waywitka
DATE: Aug 28 1976

DATE:	May 25, 1960
REC	
TH	
AMP	
G	
CK	
PLE	

DEP
STO
LO
THI

N: 316700
E: 47850
LITH

AIR WATER
T.D. 456.0 P.D.
LOGY

PROJECT: Carbon Creek
LEASE: 3493

SEC. _____ T. _____ R. _____

— 1 —

501

(16)

2/14

This geological log for well 501 details the subsurface rock properties from the surface down to 500 feet. The log includes core loss values, density log thicknesses, and dip measurements.

Core Loss:

- 0' - 20': 0
- 20' - 40': 0.6*
- 40' - 60': 0.9
- 60' - 80': 0.5
- 80' - 100': 0.5
- 100' - 120': 0.5
- 120' - 140': 0.4
- 140' - 160': 0.6
- 160' - 180': 0.6
- 180' - 200': 0.8
- 200' - 220': 0.4
- 220' - 240': 0.6
- 240' - 260': 0.8
- 260' - 280': 0.4
- 280' - 300': 0.2
- 300' - 320': 0.3
- 320' - 340': 0.9
- 340' - 360': 0.9
- 360' - 380': 0.9
- 380' - 400': 0.9
- 400' - 420': 0.9
- 420' - 440': 0.3
- 440' - 460': 0.3
- 460' - 480': 0.3
- 480' - 500': 0.3

Density Log Thickness:

- 0' - 20': 20'
- 20' - 40': 0.6*
- 40' - 60': 1.2
- 60' - 80': 0.5
- 80' - 100': 0.5
- 100' - 120': 0.5
- 120' - 140': 2.0
- 140' - 160': 0.6
- 160' - 180': 0.6
- 180' - 200': 1.1
- 200' - 220': 1.2
- 220' - 240': 1.0
- 240' - 260': 1.1
- 260' - 280': 1.2
- 280' - 300': 1.1
- 300' - 320': 1.2
- 320' - 340': 1.6
- 340' - 360': 1.6
- 360' - 380': 1.6
- 380' - 400': 4.0
- 400' - 420': 4.0
- 420' - 440': 4.0
- 440' - 460': 4.0
- 460' - 480': 4.0
- 480' - 500': 4.0

Dip:

- 0' - 20': 0°
- 20' - 40': 10°
- 40' - 60': 5°
- 60' - 80': 10°
- 80' - 100': 10°
- 100' - 120': 5°
- 120' - 140': 10°
- 140' - 160': 10°
- 160' - 180': 10°
- 180' - 200': 10°
- 200' - 220': 12°
- 220' - 240': 10°
- 240' - 260': 10°
- 260' - 280': 10°
- 280' - 300': 10°
- 300' - 320': 10°
- 320' - 340': 10°
- 340' - 360': 10°
- 360' - 380': 10°
- 380' - 400': 10°
- 400' - 420': 10°
- 420' - 440': 10°
- 440' - 460': 10°
- 460' - 480': 10°
- 480' - 500': 10°

Other Observations:

- 0' - 20': Casing 20'
- 20' - 40': oxidized worm burrows
- 40' - 60': dip 10°, marlarrite, core loss 1.2
- 60' - 80': worm burrows, calcite veinlet
- 80' - 100': oxidized bioturbation
- 100' - 120': bioturbation
- 120' - 140': dip 5°
- 140' - 160': oxidized, core loss 0.4, Density log thickness 2.0, worm burrows
- 160' - 180': worm burrows
- 180' - 200': dip 10°, core loss 0.6
- 200' - 220': core loss 0.8
- 220' - 240': core loss 0.4, bioturbation, dip 12°
- 240' - 260': worm burrows
- 260' - 280': bioturbation, worm burrows
- 280' - 300': worm burrows
- 300' - 320': dip 10°, calcite veinlet
- 320' - 340': core loss 0.9, Density log thickness 1.1, bioturbation, core loss 0.6, Density log thickness 1.2
- 340' - 360': core loss 1.0, bioturbation
- 360' - 380': bioturbation, core loss 1.1, Density log thickness 1.6
- 380' - 400': bioturbation
- 400' - 420': core loss 1.1, Density log thickness 4.0
- 420' - 440': core loss 1.1
- 440' - 460': core loss 1.1
- 460' - 480': core loss 1.1
- 480' - 500': core loss 1.1

T.D. 456.0

PR-CARBON CR. 76(3)-C-2

UTAH MINES LTD.
DRILL & CORE LOG

HOLE NO. DDH 76-87

LOG BY: J. Waywitka

DATE: Oct 13/76

ELEV: 2140

N:

E:

HOLE SIZE: HQ (2 1/2")

AIR WATER

T.D. 10340 ft.

HOLE NO. DDH 76-87

PROJECT: Carbon Creek

LEASE:

SEC. T. R.

REC DEPTH STEP LOG THICK ELEV

M

S

F

LITHOLOGY

LEAVE:

Note: All dips 1° S unless otherwise stated, or impossible to take due to bioturbation or contorted bedding

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