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The geology of the Cam and Motor Mine

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800'South

400'W.

We.

Ea.

-3560'

-3960'

-4360'

-4760'

-4960'

-5160'

-5360'

30

32

34

36

37

38

39

CENTRE LODE

F.W. (N.S)

CAM SPUR

XB FAULT

F.W. (E-W)

F.W. (E-W)

F.W. (N-S)

1250' SOUTH CONTACT FAULT

F.W. MAIN FAULT

MOTOR EAST

UNIVERSITY OF THE WITW. LIBRARY

00' E.-W

SO.

NO.

-3560'

1350' SOUTH
CONTACT FAULT

1000' SO.

30

PETROL

LODE

-3960'

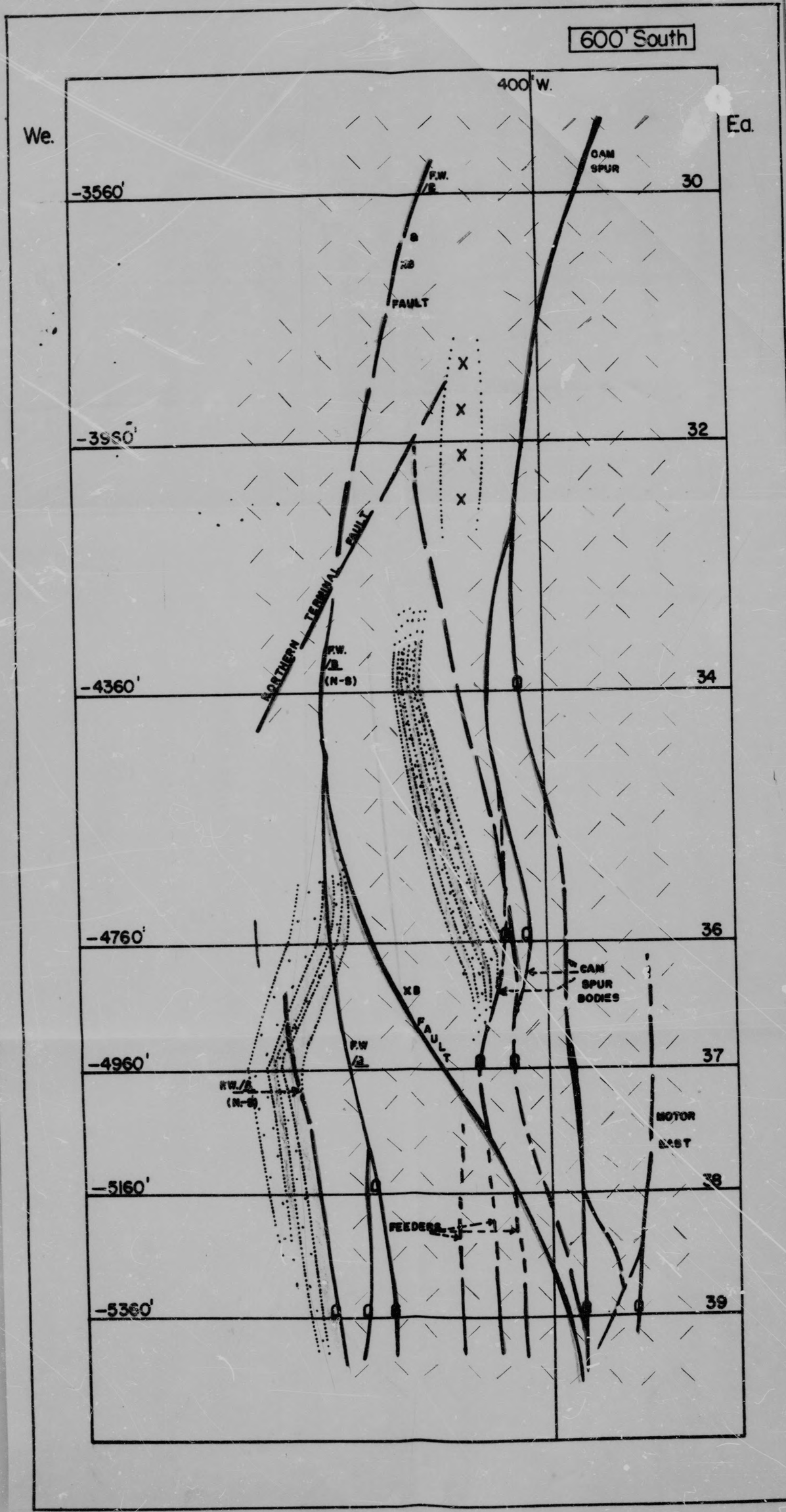
32

FAULTS IN H.WALL
OF OAM LODE

-4360'

34

RECORDAK


600' South
400' W.
We.
Ea.
-3560'
-3960'
-4360'
-4760'
-4960'
-5160'
-5360'
30
32
34
36
37
38
39
CAM SPUR
P.W. /2
XB
FAULT
NORTHERN TERMINAL FAULT
P.W. /2 (N-S)
CAM SPUR BODIES
XB FAULT
P.W /2
P.W./2 (N-S)
MOTOR EAST
FEEDERS

800' West

So. -3560' -3960' -4360' -4760' -4960' -5160' -5360' No.

1000' SO.

30 32 34 36 37 38 39

SOUTHERN TERMINAL FAULT

MAIN FAULT

F.W. BRANCH

CENTRE FAULT (NORTH)

BRANCH FAULT

NORTHERN TERMINAL FAULT.

JUNCTION MASS

CENTRE (SOU

FW./Δ (E-W)

FAULT

600' West

So.

No.

-3560'

-3960'

-4360'

-4760'

-4960'

-5160'

-5360'

30

32

34

36

37

38

39

SOUTHERN TERMINAL FAULT ?

1350' SOUTH CONTACT FAULT

1250' SOUTH CONTACT FAULT

1000' SO.

MAIN FAULT

F. W. A (E-W)

F. W. B (N-S)

F. W. B (E-W)

XB FAULT

1350' SOUTH CONTACT FAULT

MAIN FAULT

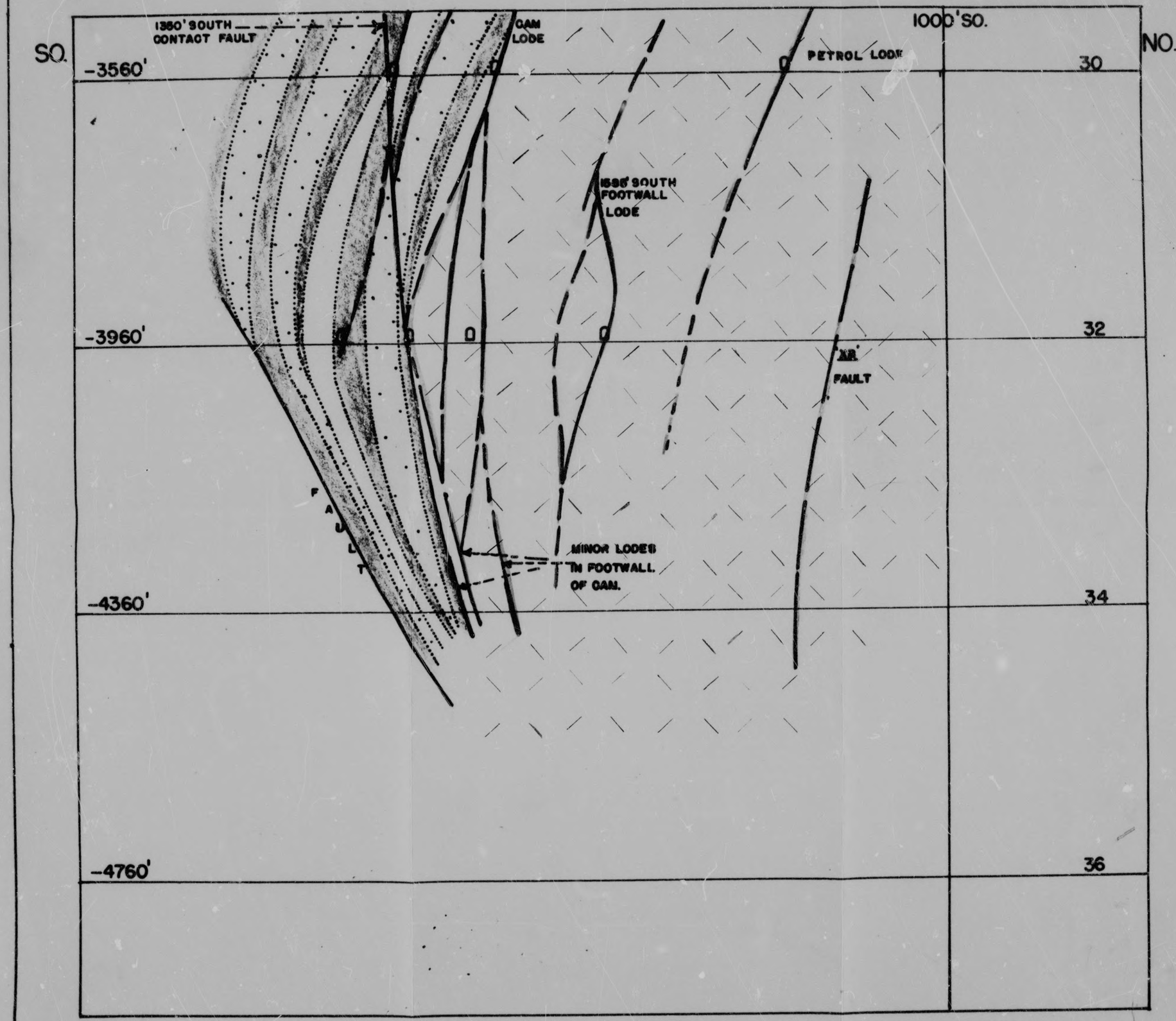
DAM SPUR (SW)

MAIN FAULT

F. W. A (E-W)

F. W. B (N-S)

200' West


SO.
NO.
1000'SO.
1360' SOUTH CONTACT FAULT
CAM LODE
PETROL LODE
1598' SOUTH FOOTWALL LODE
XR FAULT
FAULT
MINOR LODES IN FOOTWALL OF CAM.
-3560'
-3960'
-4360'
-4760'
30
32
34
36

400' West

SO

NO

-3560'

-3960'

-4360'

-4760'

-4960'

-5160'

-5360'

30

32

34

36

37

38

39

1380' SOUTH CONTACT FAULT

1250' SOUTH CONTACT FAULT

CAM SPUR SOUTH

CAM SPUR

K-IN FAULT

K-B FAULT

F-W B' (E-W)

J-A FAULT

CAM SPUR (CENTRAL REEF)

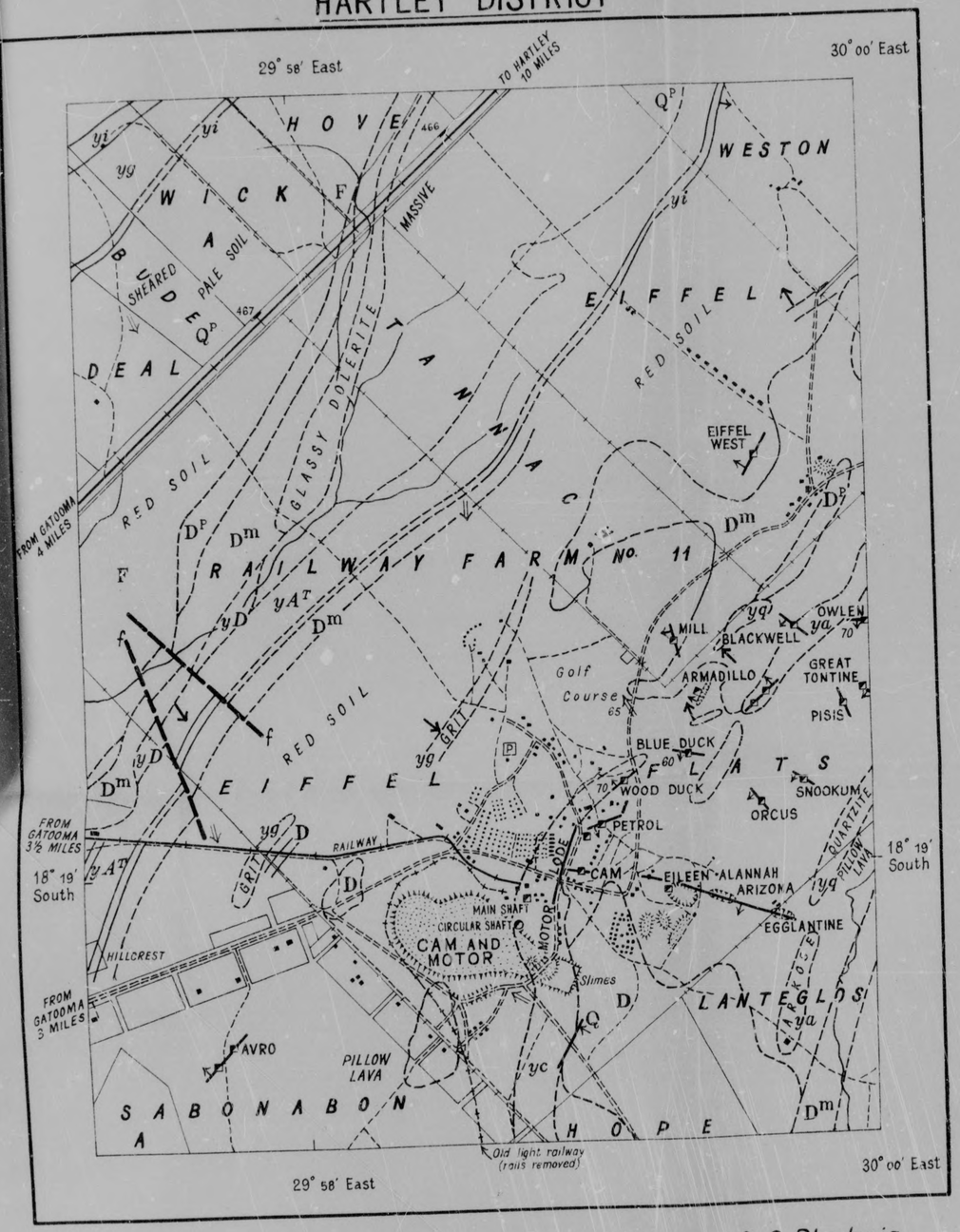
CAM SPUR (COMPOSITE)

CAM SPUR EAST LEG

MOTOR EAST SOU. EXTENSION

CAM SPUR (CENTRAL)

THE GEOLOGY OF THE ENVIRONS OF THE CAM AND MOTOR MINE HARTLEY DISTRICT



Geology by J.W. Wiles, 1949-51; Geological Survey of S. Rhodesia.

Scale 1:25,000 or 2·534 inches to 1 mile

Miles 1 0 1 2 Miles

Yards 1000 0 1000 2000 3000 4000 Yards

EXPLANATION

Pre-Cambrian

Intrusive Igneous Rocks

D	Dolerite, (various ages)
D^m	Meta-dolerite
D^p	Peridotite
Q^p	Quartz-porphyry

Basement Complex

Unconformity

Bulawayan System

yD	Dacite	Upper Greenstone Series
yB	Basaltic & limburgitic lavas	Upper Greenstone Series
yA^T	Agglomerate & tuff of acid & intermediate composition	Upper Greenstone Series
yi	Banded ironstone	Middle Sedimentary Series
yg	Grit	Middle Sedimentary Series
yq	Quartzite	Middle Sedimentary Series
yc	Conglomerate	Middle Sedimentary Series
ya	Arkose	Middle Sedimentary Series

- 35 — Dip of strata, amount in degrees
- 50 — " " cleavage or foliation, amount in degrees
- Geological boundaries
- " " , where obscured or indefinite
- f — Fault, obscured or indefinite
- 15 — Outcrop of reef, arrow shows drection of dip with amount in degrees
- Mine or shaft
- Mine dumps
- Open cut or quarry
- 467 — Railway. 467 Mile peg
- Main roads
- Other "
- Footpaths & tracks
- Farm boundaries
- Gate or Grid — " " , fenced
- P — Post Office
- Houses & other buildings

Drawn in the Geological Survey Office, Salisbury.

Author Hartman L W
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