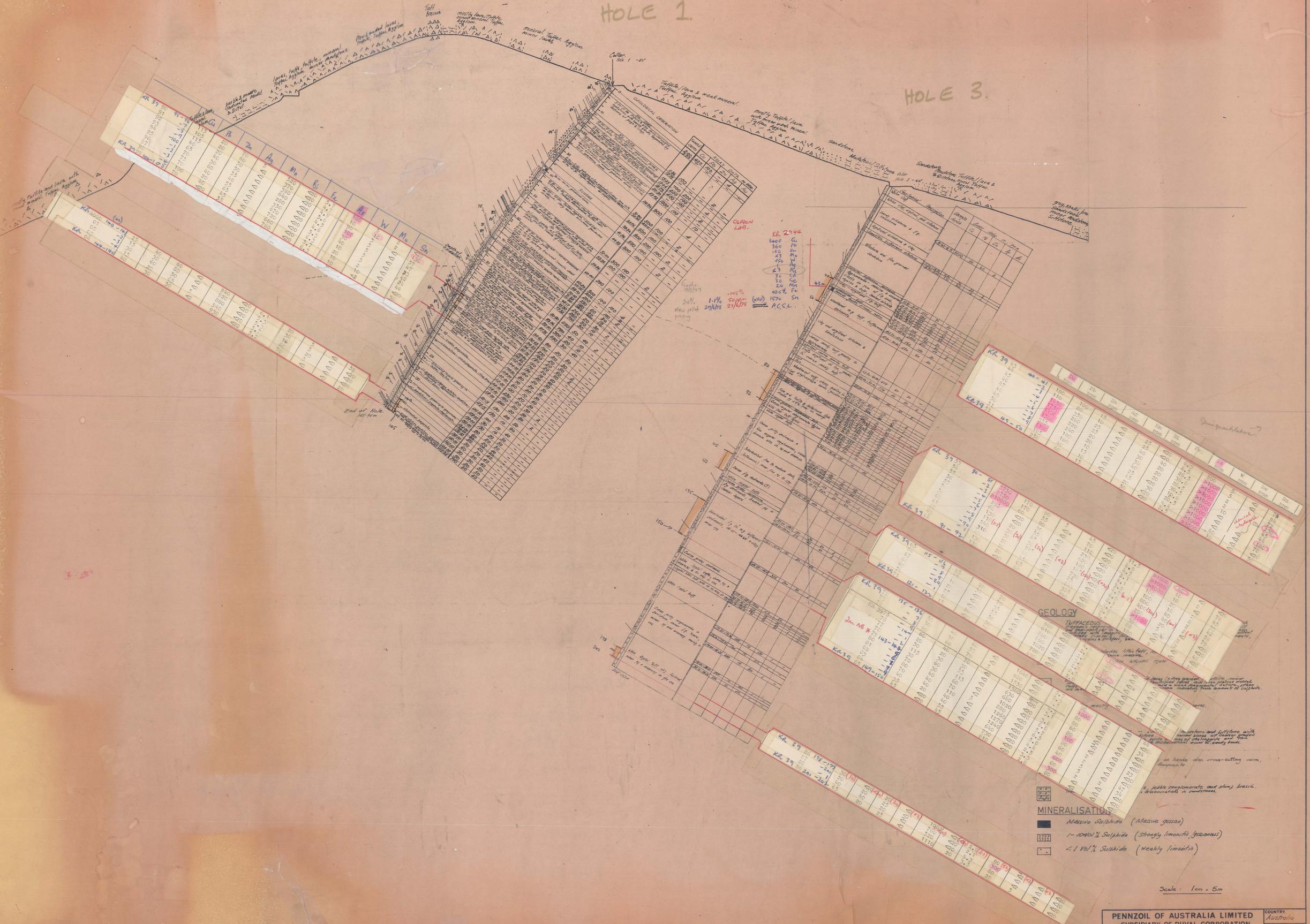


Scale
 1:500
 1:1000
 1:2000

1800E 1700E 1600E 1500E 1400E 1300E 1200E 1100E 1000E 900E 800E 700E 600E 500E 400E 300E 200E 100E

HOLE 1

HOLE 3



CR 2744
 2400 Cu
 300 Pb
 160 Zn
 23 Ag
 450 Mo
 30 Ni
 20 Mn
 150 Fe
 100 S
 1.1% Ni
 20% Cu
 2000 lbs
 2000 lbs
 ACC.S.L.

GEOLOGY

- MINERALISATION
- Massive Sulphide (Massive gossan)
 - ▨ 1-10% Sulphide (Strongly limonitic gossan)
 - <1% Sulphide (Weakly limonitic)

Scale: 1cm = 5m

PENNZOIL OF AUSTRALIA LIMITED
 SUBSIDIARY OF DUVAL CORPORATION

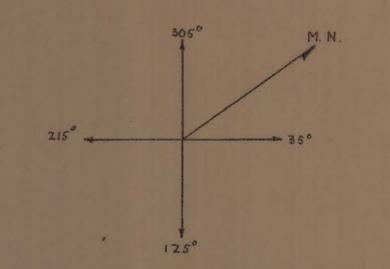
COUNTRY: Australia
 STATE: Queensland
 DISTRICT: DIAL RANGE

EL. 24/73 DIAL RANGE
 DRILL LOG - DIAL RANGE N° 1, 3
 ON SECTION 2100N

DATA BY: J.M.S. DRAWN BY: J.M.S. DATE: 5-3-75

MAP No. 40,207
 PLATE No.

77.12.13 a



LEGEND.

- Alluvium.
- Talus (from Ordovician Congl.)
- GATEENA 'FORMATION'
- Sandst. siltst. and tuffaceous sediments.
- Laminated siltst.
- Sandst.
- Gossanous rocks.

Track

Slope direction.

Soil sample results.

60 ppm Cu.

120 ppm Cu.

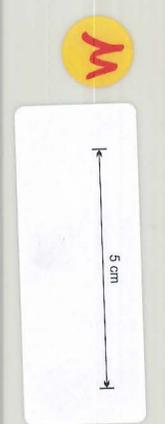
50 ppm Pb.

100 ppm Pb.

100 ppm Zn.

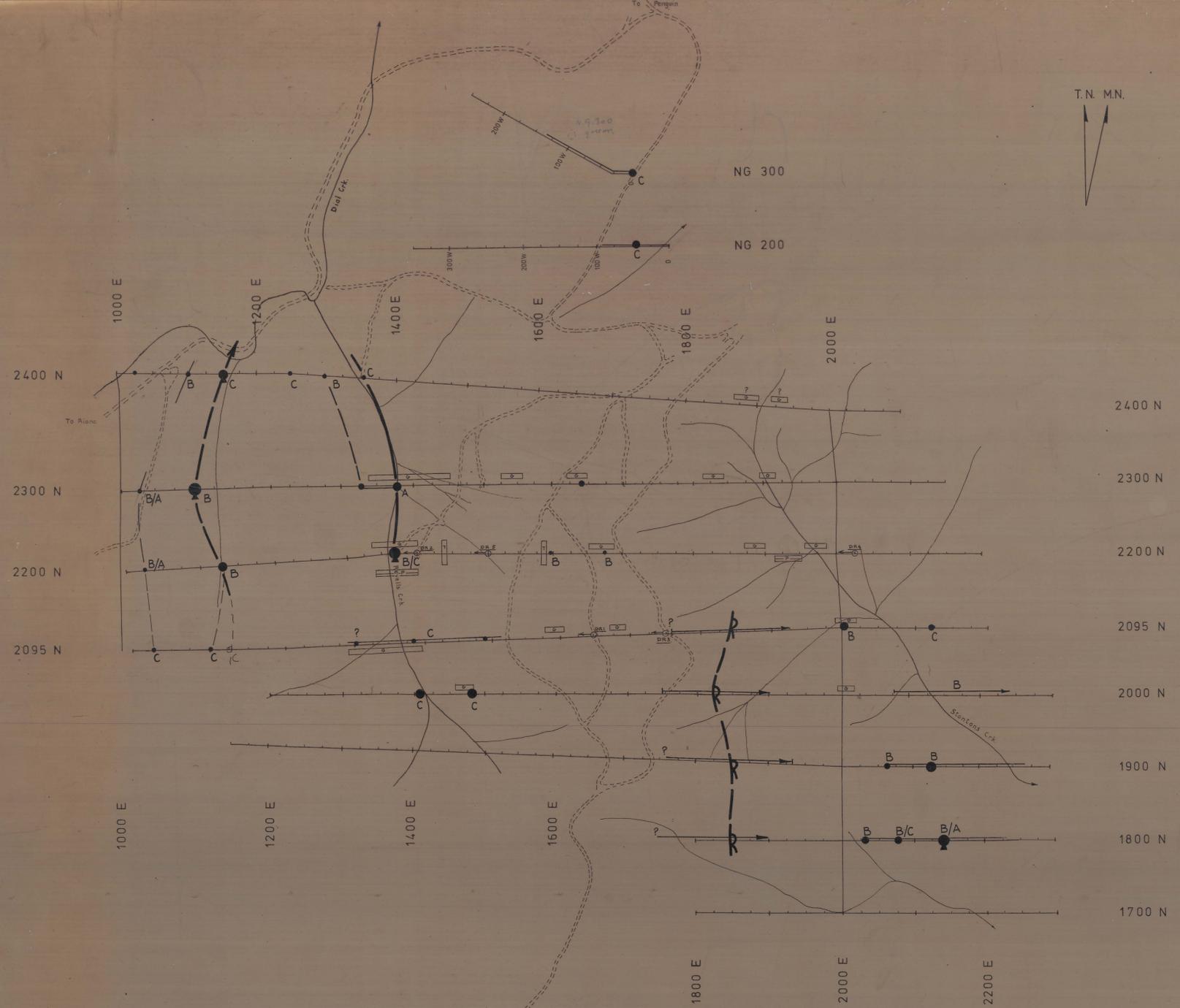
Scale 1:1000

PENNZOIL OF AUSTRALIA LIMITED			COUNTRY.
SUBSIDIARY OF DUVAL CORPORATION			AUSTRALIA.
Dial - Russels Mine Grid			STATE.
			TASMANIA
TYPE			LATITUDE. 41° 12'
Surface features / Geochem.			LONGITUDE. 146° 2'
DATA BY	DRAWN BY	DATE	MAP No.
J.R.C.	J.R.C.	Nov. 1976.	40245
Centimeters 1 2 3 4 5 6 7 8 9 Centimeters			PLATE No.



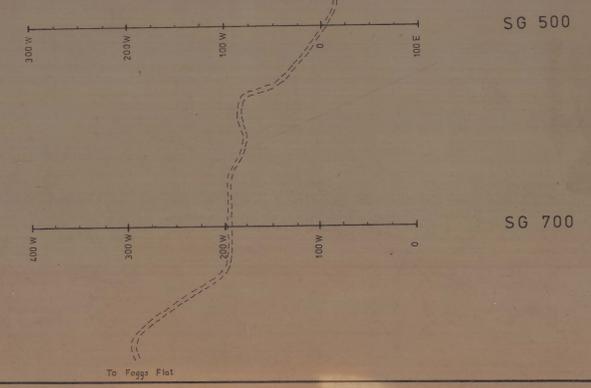
77-1213 b

Dial 10
Russels mine



LEGEND

- Major change in rock type
- Minor internal polarization response
- Moderate " " "
- Major " " "
- Broad zones of " " "
- Anomaly type - host resistive with respect to enclosing rocks
- " " " no contrast " " "
- " " " conductive " " "
- Gradient Array Anomaly
- Pole-Dipole Anomaly
- Turam Conductor Axis
- Diamond Drill Hole



CREEKS ACCESS TRACKS

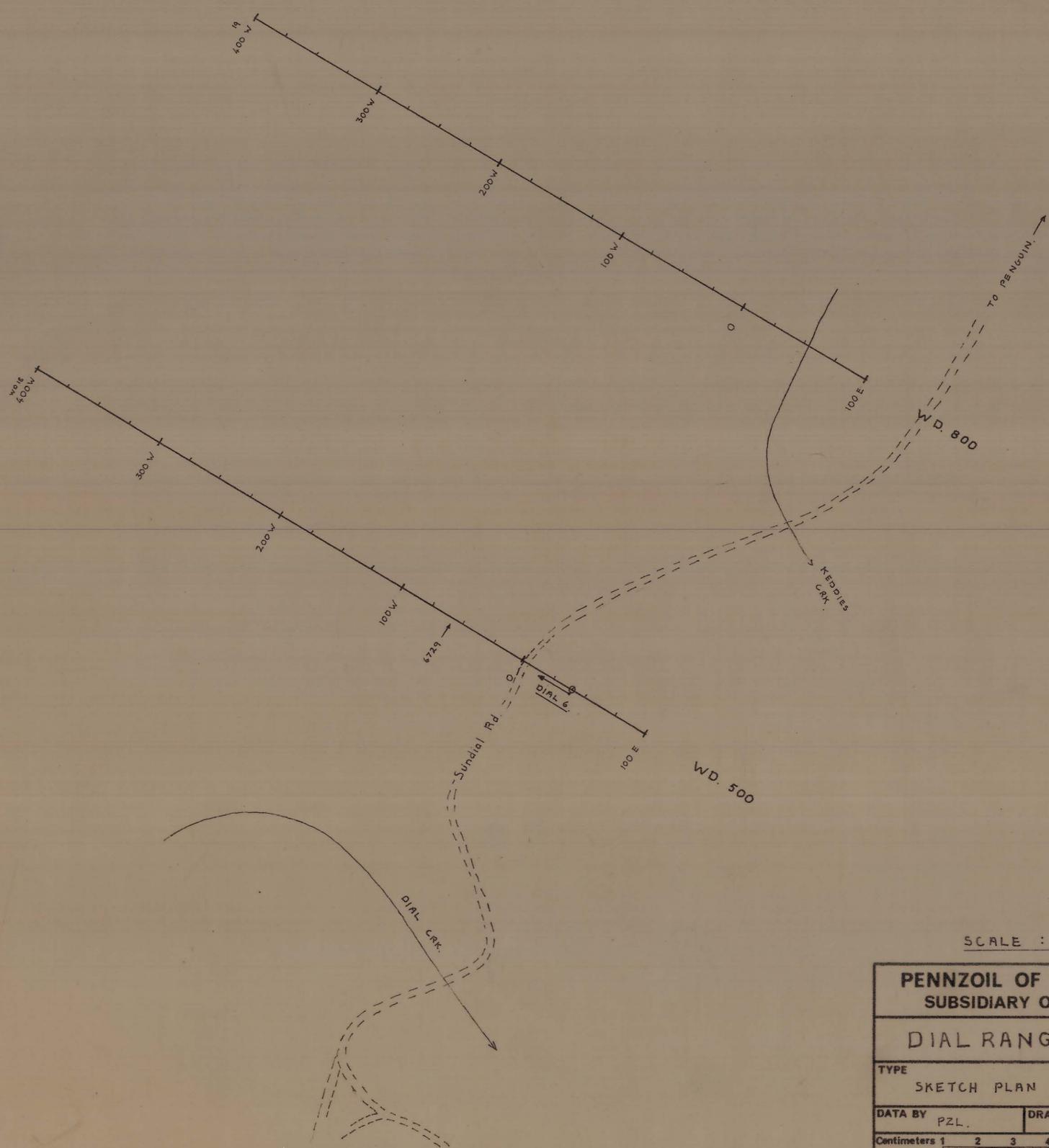
SCALE 1:2500

PENNZOIL OF AUSTRALIA LIMITED		COUNTRY	AUSTRALIA
SUBSIDIARY OF DUVAL CORPORATION		STATE	TASMANIA
DIAL RANGE EL 24/73		LATITUDE	42° 25' S
M.I.P SURVEY		LONGITUDE	144° 05' E
Surveyed & Compiled by SCINTREX PTY. LTD.		MAP No.	40246
DATA BY S.E. & G.J.S.	DRAWN BY A.W.H.R.	DATE	JAN. 1977
Meters 0 50 100 150 200		PLATE No.	

77-1213c

Drawn by
M.P. Smith
1:2500

296° Mag



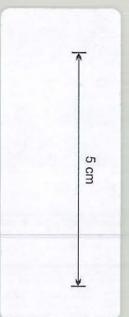
T. N.

SCALE : 1:2,500

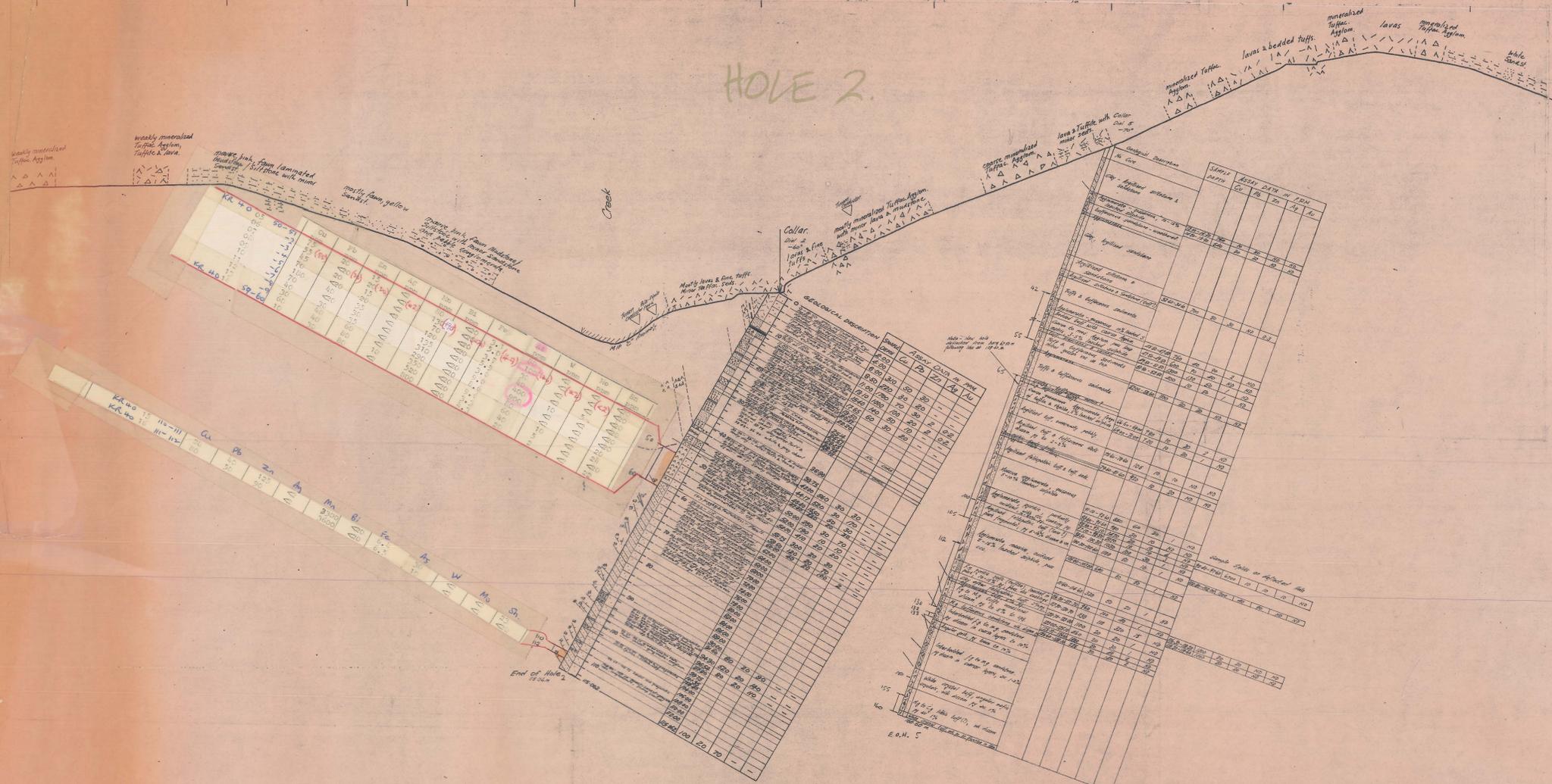
PENNZOIL OF AUSTRALIA LIMITED			COUNTRY.
SUBSIDIARY OF DUVAL CORPORATION			AUSTRALIA
DIAL RANGE E.L. 24/73			STATE.
TYPE			TASMANIA.
SKETCH PLAN OF W.D. LINES			LATITUDE.
DATA BY P.Z.L.			LONGITUDE.
DRAWN BY J.R.C.			MAP No.
DATE FEB 1977			PLATE No.
Centimeters 1 2 3 4 5 6 7 8 9 Centimeters			

DIAL 15
SKETCH PLAN
W.D. LINES

77-1213 F



HOLE 2.



- ### LEGEND
- GEOLOGY**
- Volcanic Breccia - coarse breccia with much fine material, matrix is to 50% ...
 - Tuff - includes both soft and hard tuff, mostly bedded but some massive ...
 - Lava - includes all types of lava (basalt, andesite, diorite, granite) ...
 - Clay - mostly with ...
 - Mudstone / Siltstone - laminated mudstone and siltstone with ...
 - Laminated Sandstone - ...
 - Sandstone - ...
- MINERALISATION**
- Massive Sulfide (Massive Sulfide)
 - 1-10% Sulfide (scattered lamellae, massive)
 - <1% Sulfide (scattered lamellae)

Scale: 1:500
1cm = 5m

PENNZOIL OF AUSTRALIA LIMITED SUBSIDIARY OF DUVAL CORPORATION		COUNTRY: Australia
EL24/73 DIAL RANGE PROJECT		STATE: Tasmania
TYPE: Drill Logs - On Section E200 N		LATITUDE: 42° 15' S
DATA BY: JMG, JRC	DRAWN BY: JMG, JRS	LONGITUDE: 147° 25' E
DATE: 21-4-77		MAP No. 40208
Centimeters 1 2 3 4 5 6 7 8 9 10		PLATE No.

77-12139