⑦ SECTIONS MEASURED BY BP (This report)

FIGURE 10

BP Exploration Canada Limited

PEEL AND SNAKE RIVER AREA

ISOPACH MAP OF HUME FORMATION

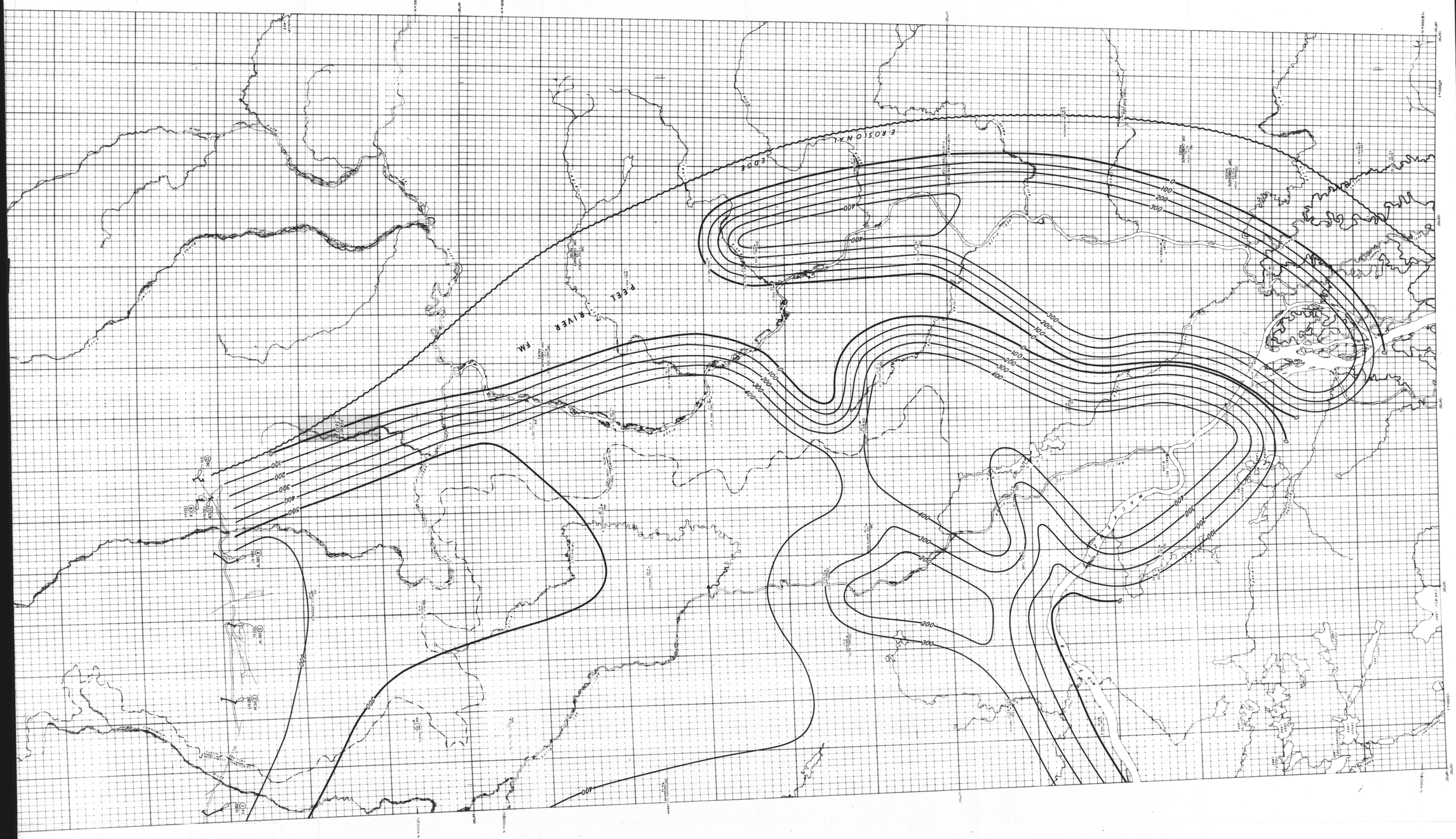
CONTOUR INTERVAL: 100 FT.

DATE MAR. 1977	PROVINCE YUKON & N.W.T.
REVISED	DEPARTMENT GEOLOGICAL
SCALE 1:250,000	DRAWN BY J.W.
AUTHOR B. I. CHI	DRWG NO G 355174

039-01-06-041-7

039 01 06 041

039-01-06-041 - -7



039-01-06-041 -4

FIGURE 7

BP Exploration Canada Limited

PEEL AND SNAKE RIVER AREA

ISOPACH MAP OF GOSSAGE FORMATION

CONTOUR INTERVAL 100 FT

DATE MAR. 1977
SCALE 1:250,000
AUTHOR B.T. CHI
PROVINCE YUKON, N.W.T.
DISTRICT OF MACKENZIE
DRAWN BY J. M. GEOLOGICAL
DRWG. NO. G-33975

② SECTIONS MEASURED BY BP (This report)

039-01-06-041

039-01-06-041 -5

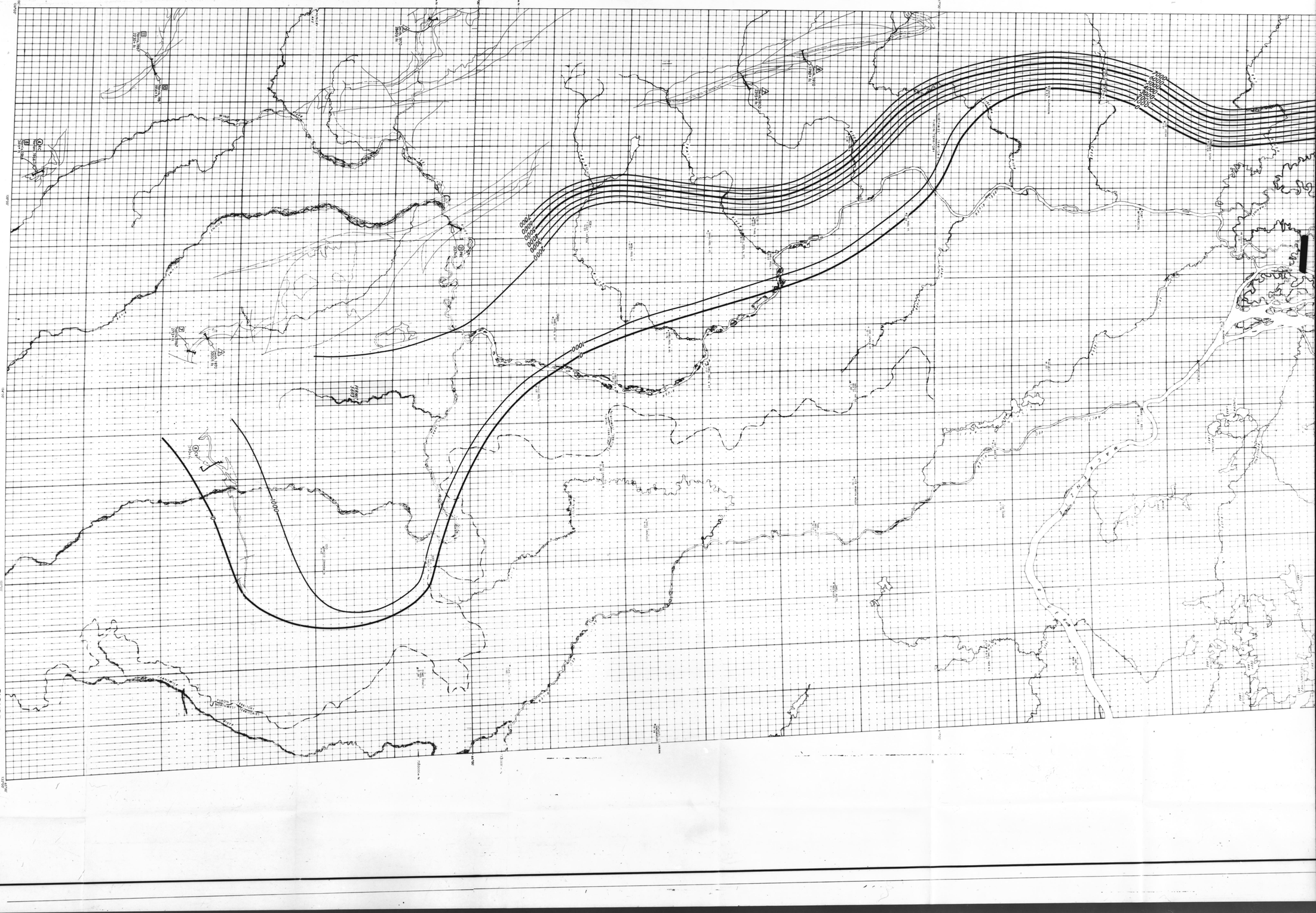


FIGURE 8

BP Exploration Canada Limited

039 01 06 041

039-01-06-041 -5

② SECTIONS MEASURED BY BP (This report)

△ SECTIONS MEASURED BY SMITH (1970)

FIGURE 8

BP Exploration Canada Limited

PEEL AND SNAKE RIVER AREA

039-01-06-041-B

1

1

② SECTIONS MEASURED BY BP (This report)

FIGURE 9

BP Exploration Canada Limited

PEEL AND SNAKE RIVER AREA

ISOPACH MAP OF SNAKE RIVER FORMATION

CONTOUR INTERVAL 100 FT

DATE	MAR. 1977
PROJECTION	
SCALE	1:250,000
AUTHOR	B.T. CHI
	PROVINCE YUKON & N.W.T.
	DEPARTMENT GEOLOGICAL
	DRAWN BY TK
	DRWG NO G 2357/4

039 01 06 041

039-01-06-041 - 6

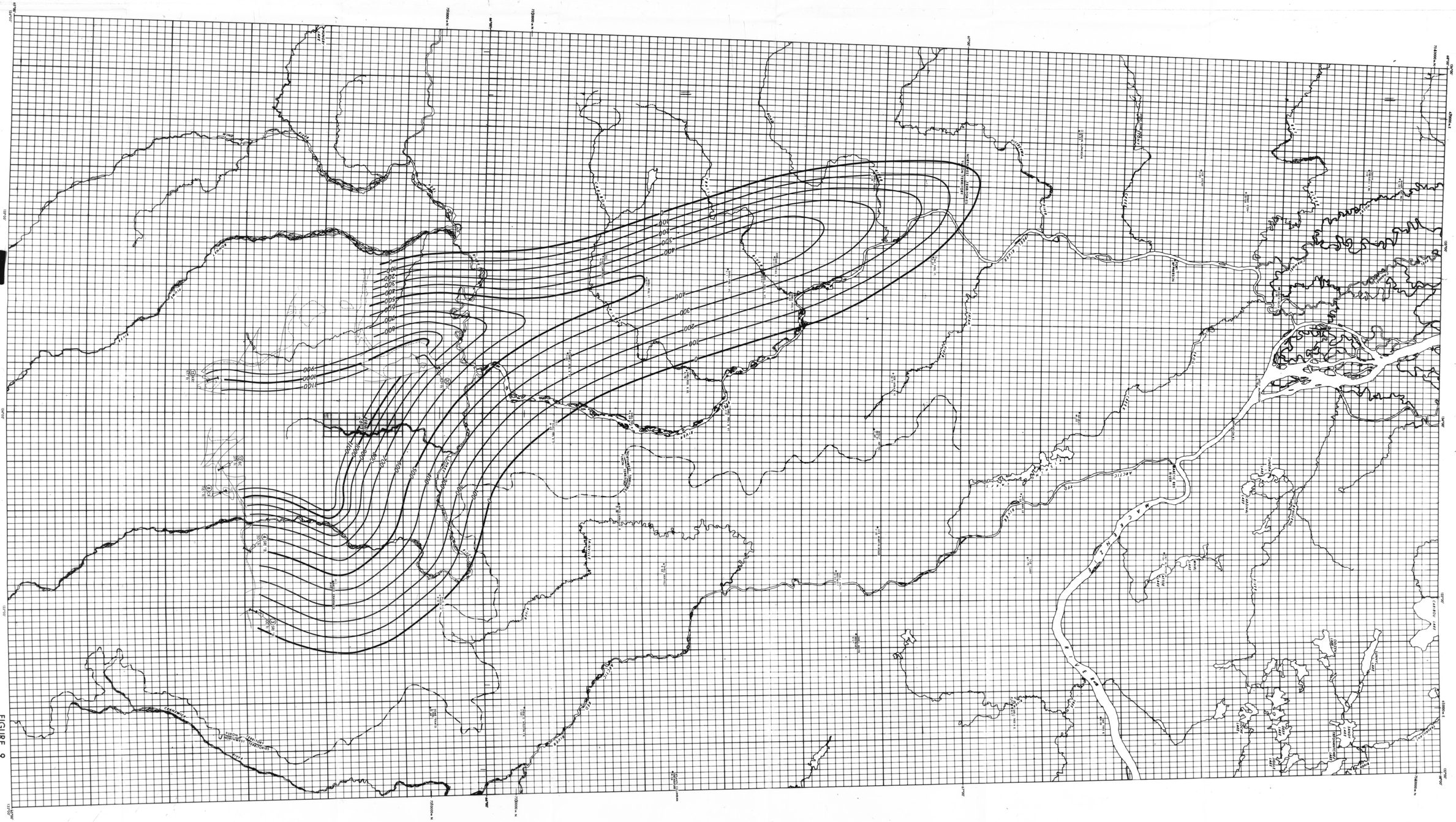
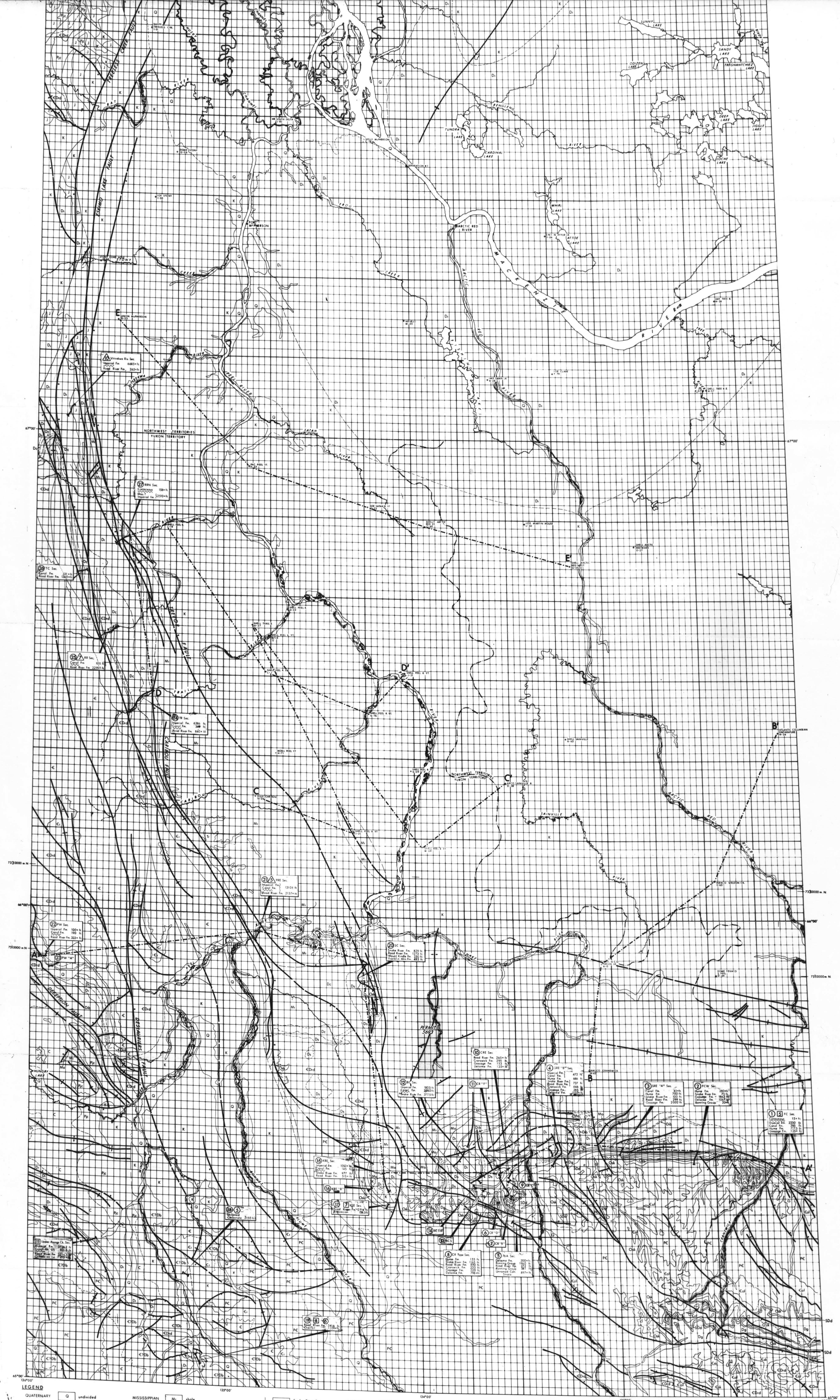


FIGURE 9

BP Exploration Canada Limited BP

06 041



LEGEND

QUATERNARY	Q	undivided	MISSISSIPPIAN	Mi	shale	Middle DEVONIAN	Ds	Snake River Fm., shale	? UPPER CAMBRIAN	€of	Franklin Mountain Fm., dolomite and shale
CRETACEOUS	K	shale, siltstone and sandstone, undivided		Mo	unnamed clastics and coal		Dcr	Cranswick Fm., limestone and reef		€?Db	unnamed carbonate
JURASSIC	J	sandstone and shale, undivided	Upper DEVONIAN	Di	Imperial Fm., Upper Devonian clastics	Lower	Dg	Gossage Fm., dolomite and limestone		€sk	Sekwi Fm., carbonate and clastic
TRIASSIC	Tr	limestone and shale		Dib	Imperial Fm., Upper Devonian sandstone unit		SDd	Delorme Fm., dolomite and shale	CAMBRIAN	€i	unnamed Lower Cambrian carbonates and clastics
PERMIAN	Pic	Jungle Creek Fm. shale, sandstone and carbonate		Dc	Canol Fm., siliceous shale	SILURIAN	€Drd	Road River Fm., shale, limestone and breccia		€	undivided, clastics and conglomerates
CARBONIFEROUS	C	shale, siltstone and limestone, undivided	Middle DEVONIAN	Dh	Hume Fm., shale and limestone	ORDOVICIAN	Osk	Mount Kindle Fm., dolomite	PRE-CAMBRIAN	P€	undivided, sediments and metasediments

Geological Boundary
Anticline,
Syncline,
Fault, contraction, teeth on upthrown side
Fault, extension, solid circle on downthrown side
Fault, transcurrent with interred relative horizontal movement
Facies Boundary
A- - - -A' Line of cross-section
Measured outcrop sections
⑦ Sections measured by BP (This report)
③ Sections measured by Smith (1970)
⑤ Sections measured by Norris (1967, 1968)
⑥ Sections measured by Norford (1964)

FIGURE 4

BP Exploration Canada Limited

PEEL AND SNAKE RIVER AREA

SURFACE GEOLOGICAL And STRUCTURAL MAP
(Modified after D.K. Norris - 1974, 1975)

DATE MAR., 1977	PROVINCE YUKON & N.W.T.
REVISED	DEPARTMENT GEOLOGICAL
SCALE 1:250,000	DRAWN BY J.W.
AUTHOR B.I. CHI	DRWG NO G-3557/9

039-01-06-041

039-01-06-041-1

039-01-06-041 -1

LEGEND

QUATERNARY — Q — undivided

MISSISSIPPIAN — Mi — shale

DEVONIAN — Dmf — Fantasque Fm.

Dmc — Cranswick Fm.

UPPER CAMBRIAN — Cuf — Franklin Mountain Fm. dolomite and shale

Geological Boundary

Fault Boundary

DESMARAIS FAULT

CHARLBOU FAULT

ESKIMO LAKE FAULT

BEAVERLODGE FAULT

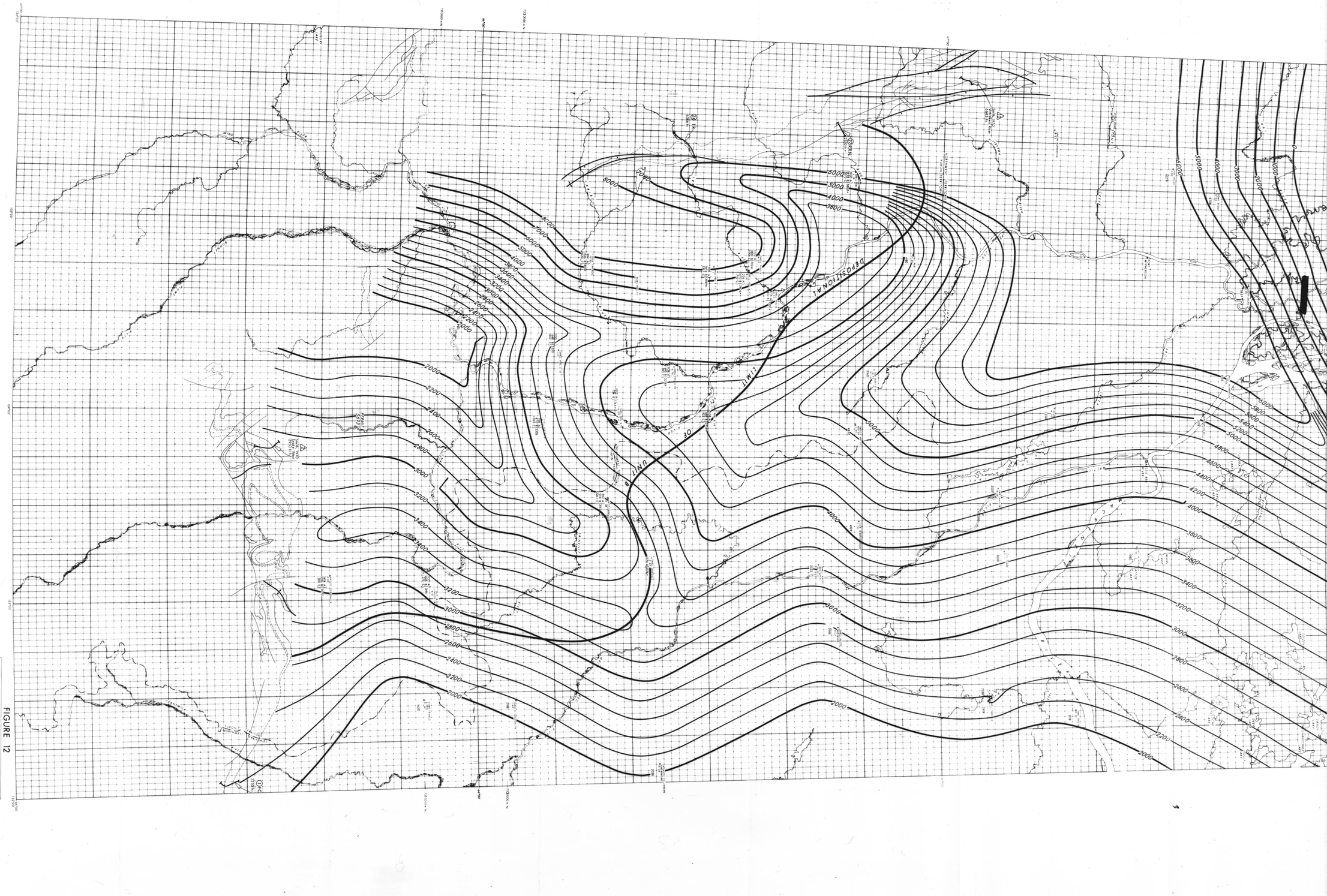
MACKENZIE RIVER

FIGURE 4

BP Exploration Canada Limited

06 041

039-01-06-041 --9



② SECTIONS MEASURED BY BP (This report)

③ SECTIONS MEASURED BY SMITH (1970)

FIGURE 12

BP Exploration Canada Limited

PEEL AND SNAKE RIVER AREA

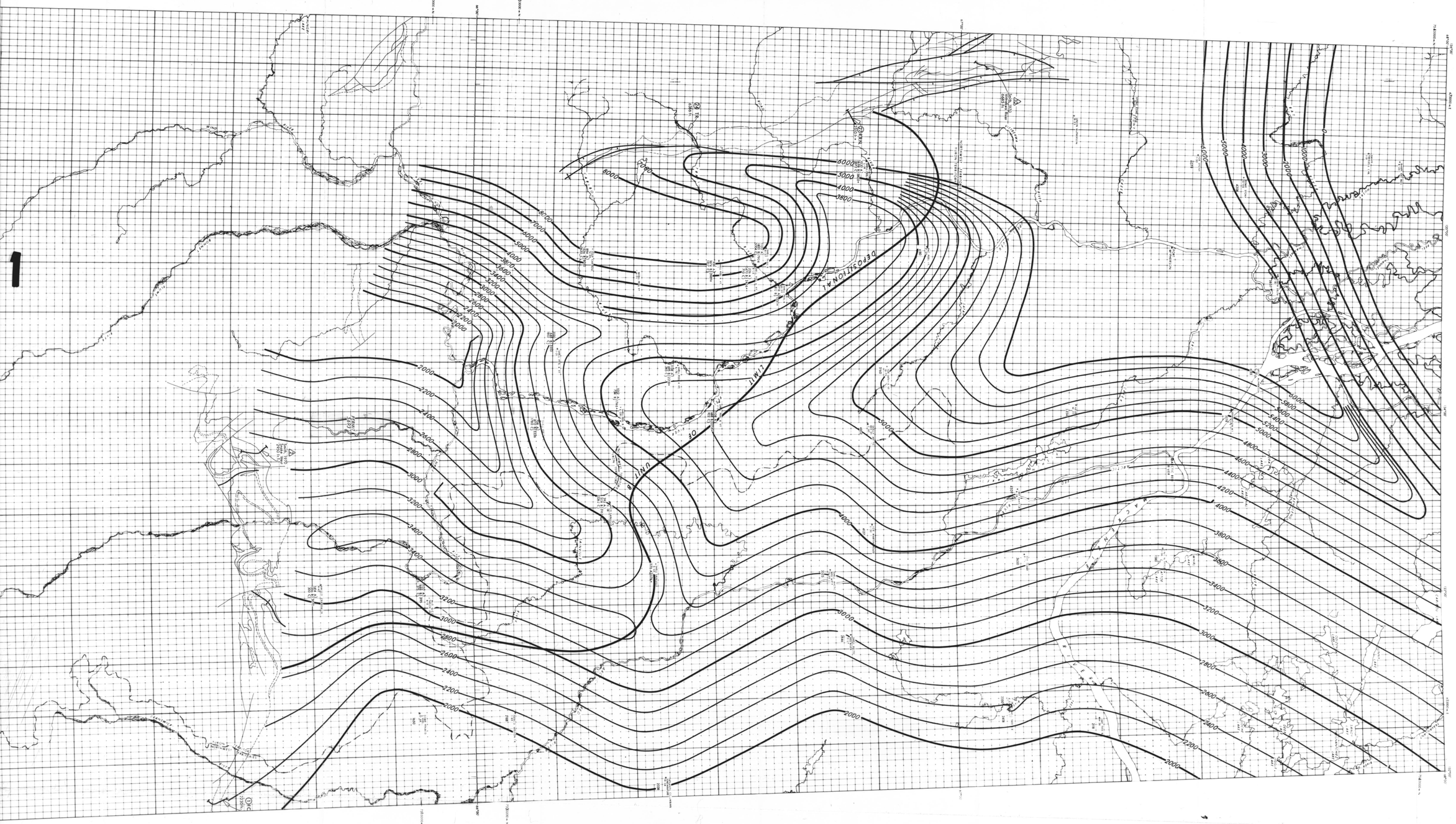
ISOPACH MAP OF IMPERIAL FORMATION

CONTOUR INTERVAL 200 FT
WATER DEPTH 1000 FT

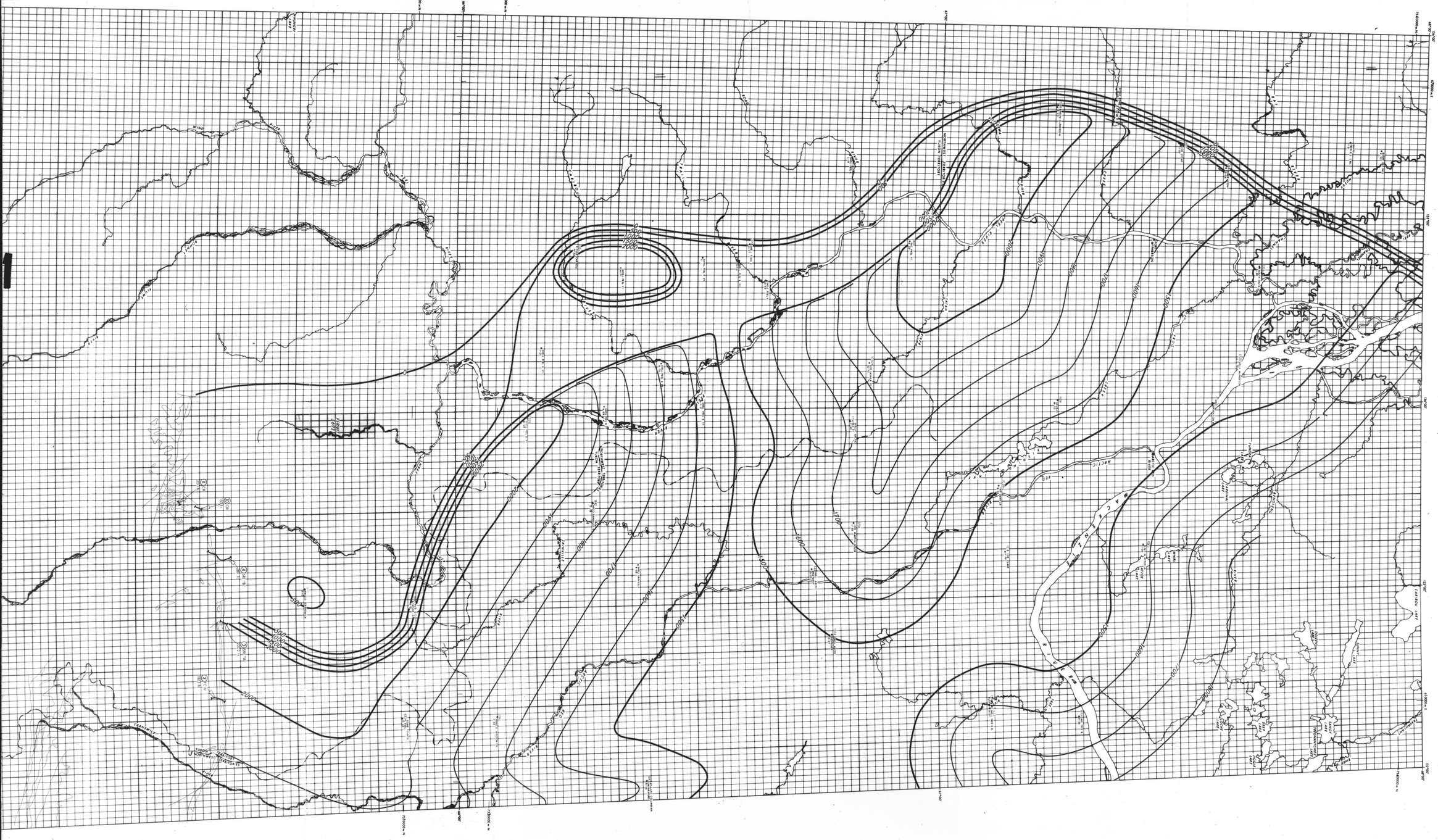
DATE 1979 07 27
REVISED
SCALE 1:250,000
LATITUDE 61° 00'

PROJECTION TRANSVERSE MERCATOR
GEOLOGY BY J. W. MACKENZIE
DRAWN BY J. W.
DRAWN NO D 33512

039-01-06-041 --9



039-01-06-041 -4



039-01-06-041 - 2

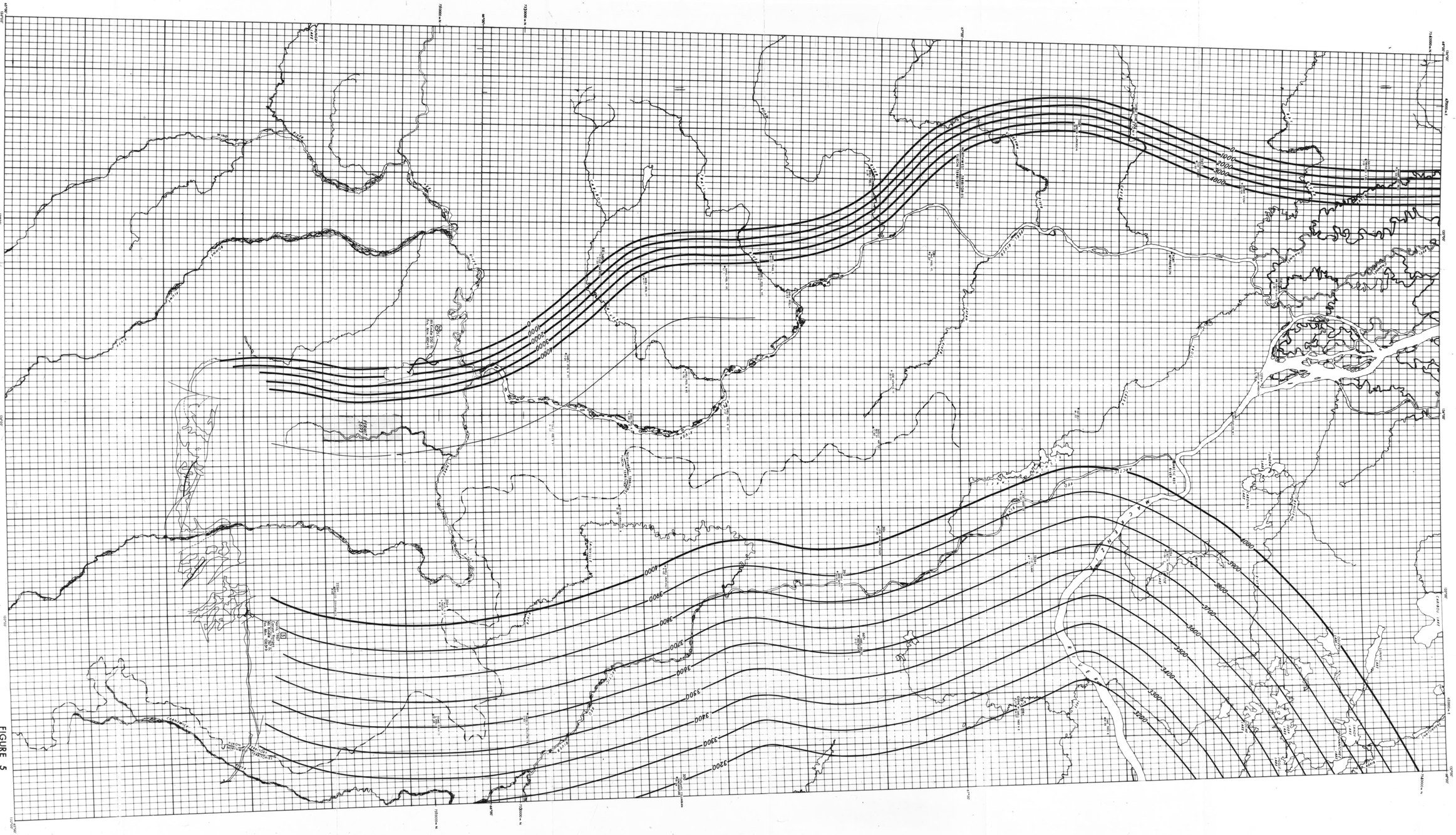


FIGURE 5
BP Exploration Canada Limited
PEEL AND SNAKE RIVER AREA

G.3150h

039-01-06-041 - 2

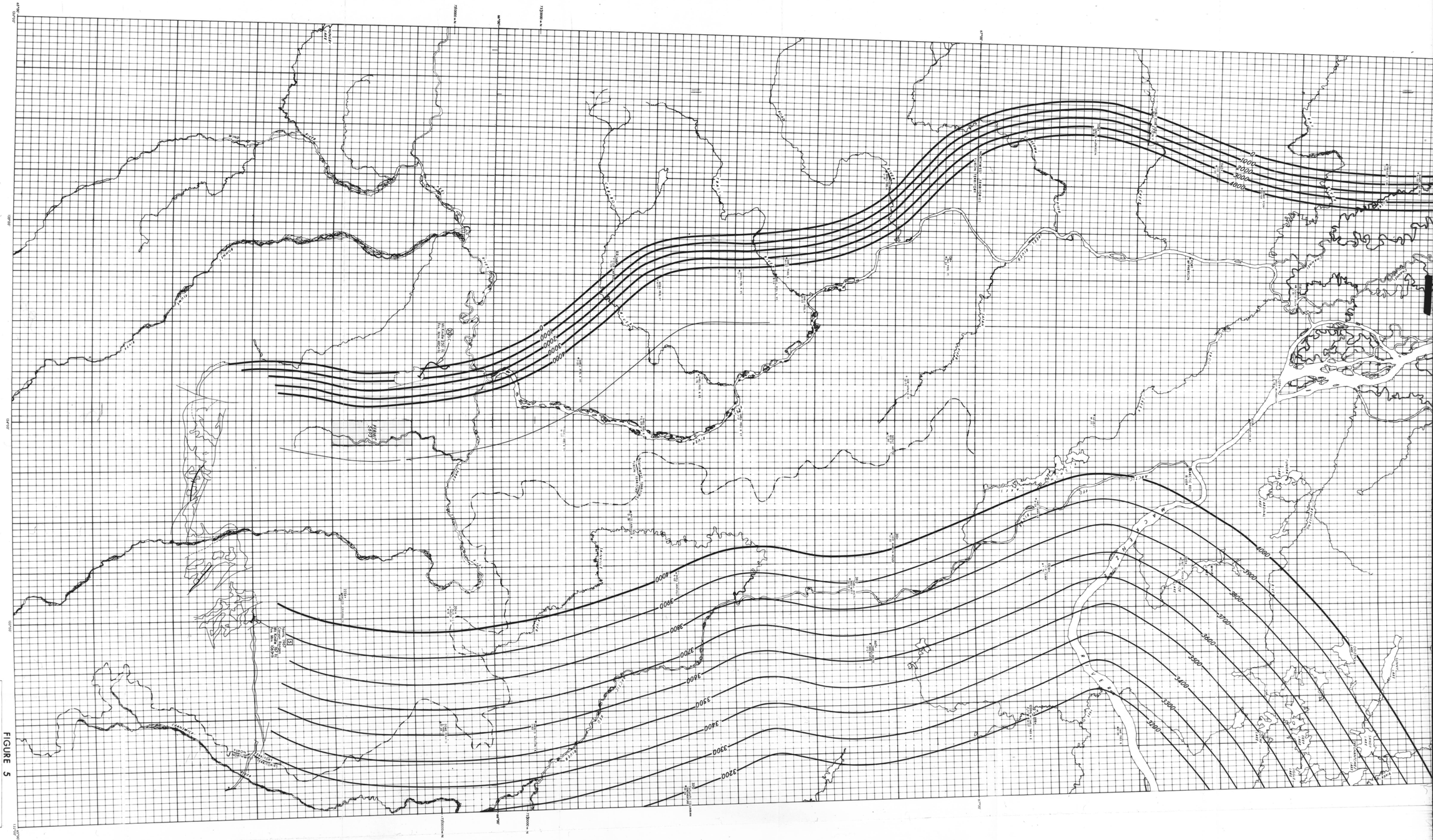


FIGURE 5

BP Exploration Canada Limited

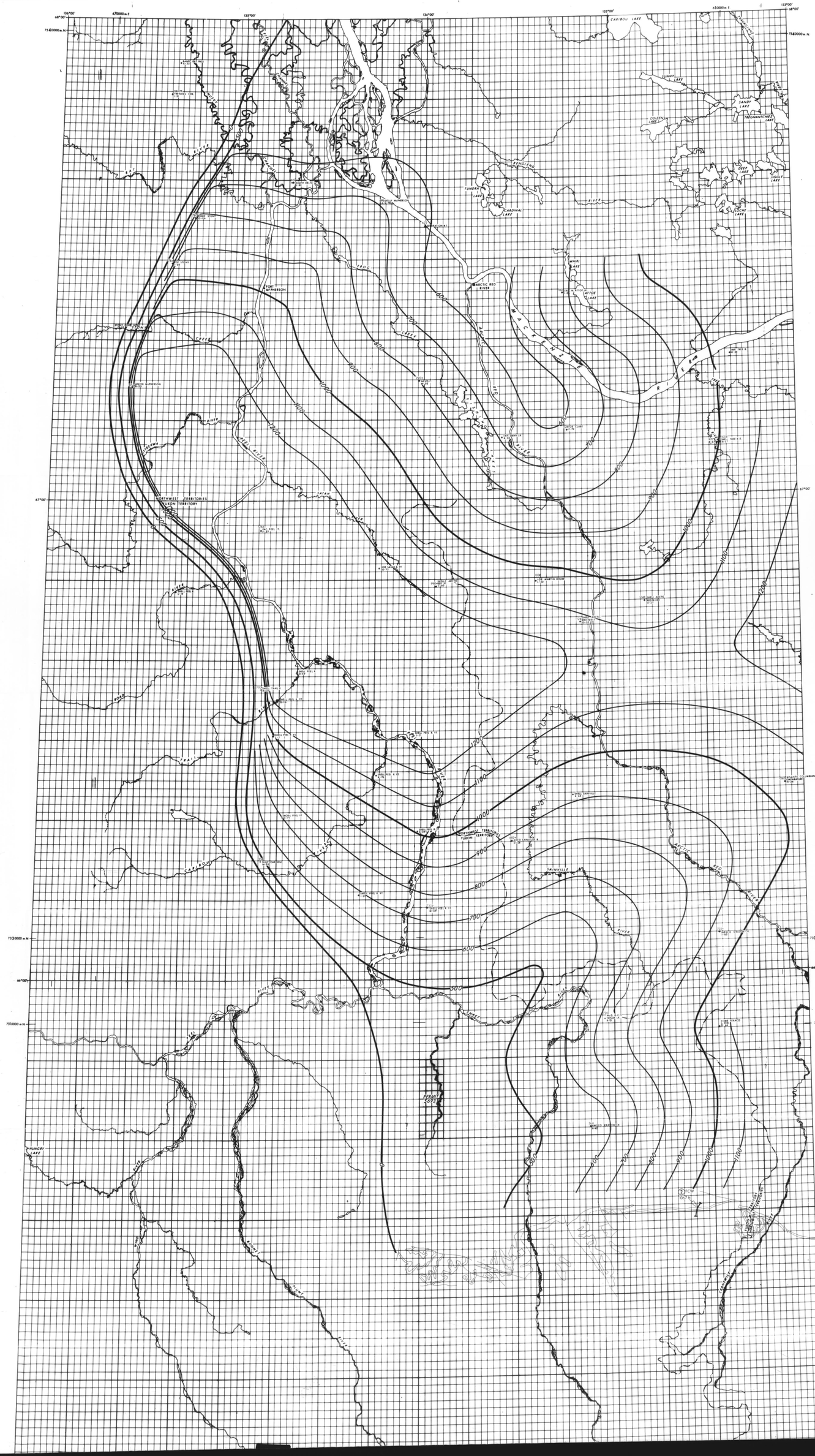
PEEL AND SNAKE RIVER AREA

ISOPACH MAP OF RONNING GROUP

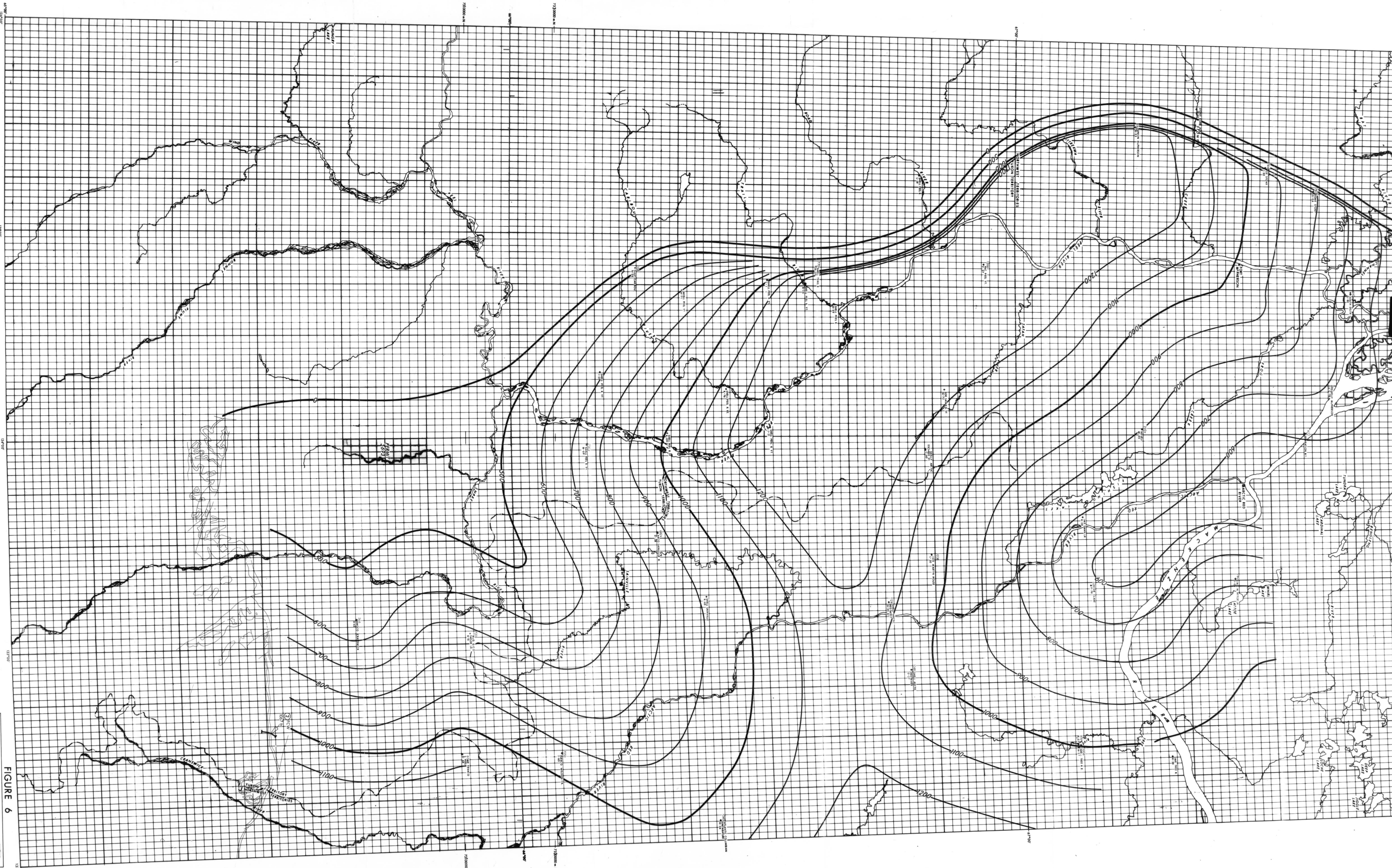
CONTOUR INTERVAL 1000 FT

DATE	MAY 1977	DEPARTMENT	GEOLOGICAL
REVISED		DRAWN BY	JW
SCALE	1:500,000	TRACED BY	
REVISED		CHECKED BY	

039 01 06 041


134°00'
68°00'
470000 m E
135°00'
134°00'
133°00'
610000 m E
133°00'
68°00'
750000 m N
CARIBOU LAKE
SUNNY LAKE
SANDY LAKE
TAGHANICHEZ LAKE
CLOUTIER LAKE
DEEP LAKE
ORCHID LAKE
RANGLEIGH LAKE
LUNDBA LAKE
CARDINAL LAKE
WHITE LAKE
LITTLE WHITE LAKE
ARCTIC RED RIVER
MACKENZIE RIVER
FORT MCPHERSON
PEEL RIVER
ARCTIC RED RIVER
67°00'
NORTHWEST TERRITORIES
YUKON TERRITORY
ROAD
TRAIL
CARIBOU
TAINVILLE
NORTHWEST TERRITORIES
YUKON TERRITORY
733000 m N
66°00'
750000 m N
PERMIT 2003
HUNGRY LAKE
67°00'
733000 m N
66°00'
750000 m N
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400

039-01-06-041 -3



7 SECTIONS MEASURED BY BP (This report)

FIGURE 6

BP Exploration Canada Limited

PEEL AND SNAKE RIVER AREA

ISOPACH MAP OF DELORME FORMATION

CONTOUR INTERVAL: —100 FT. ▬500 FT.

DATE MAR. 1977	PROVINCE YUKON & N.W.T.
REVISED	DEPARTMENT GEOLOGICAL
SCALE 1:250,000	DRAWN BY J. W.
AUTHOR B. I. CHI	DRWG. NO G-3557/7

039 01 06 041

039-01-06-041 --8

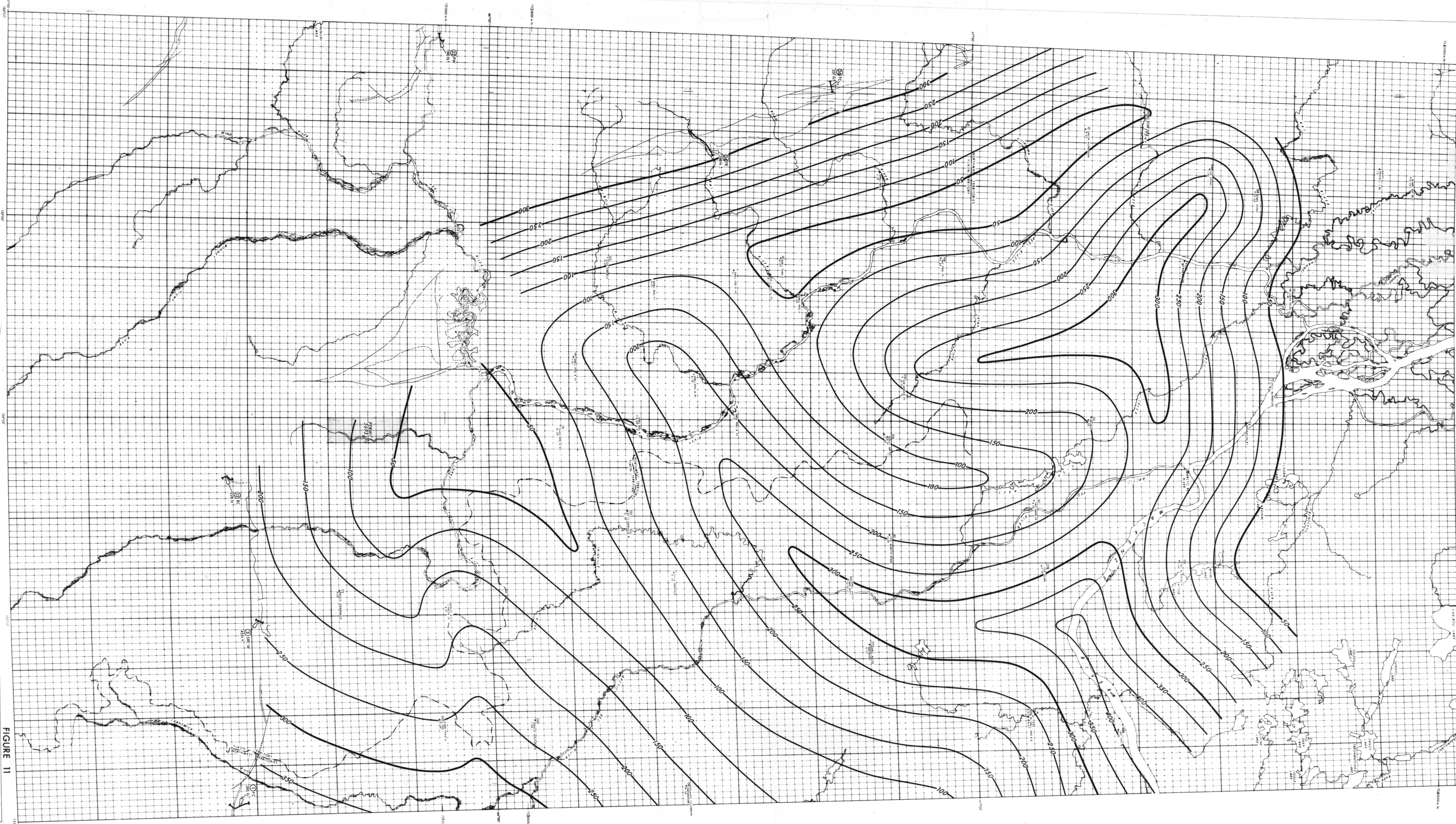


FIGURE 11

BP Exploration Canada Limited

PEEL AND SNAKE RIVER AREA

ISOPACH MAP OF CANOL FORMATION

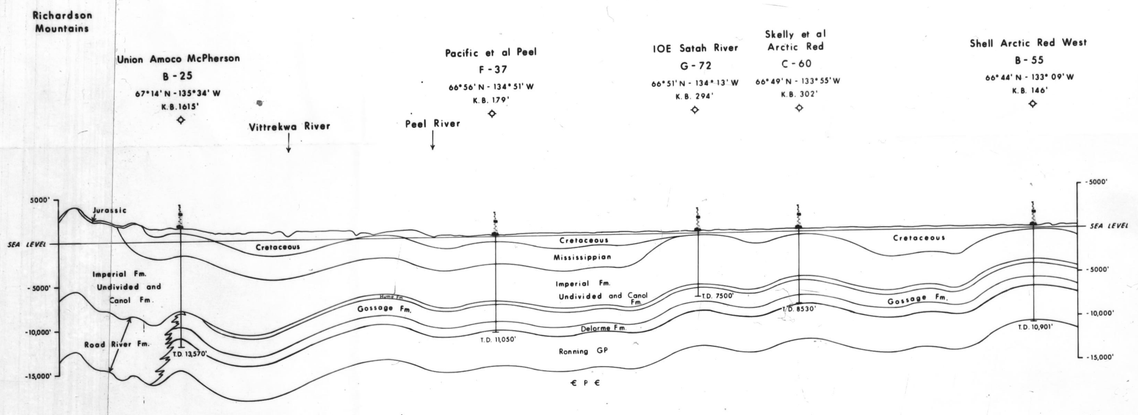
CONTOUR INTERVAL: 50 FT.

DATE MAR. 1977	PROVINCE YUKON & N.W.T.
REVISED	DEPARTMENT GEOLOGICAL
SCALE 1:250,000	DRAWN BY J.W.
AUTHOR B.I. CHI	DRWG NO G 355723

039 01 06 041

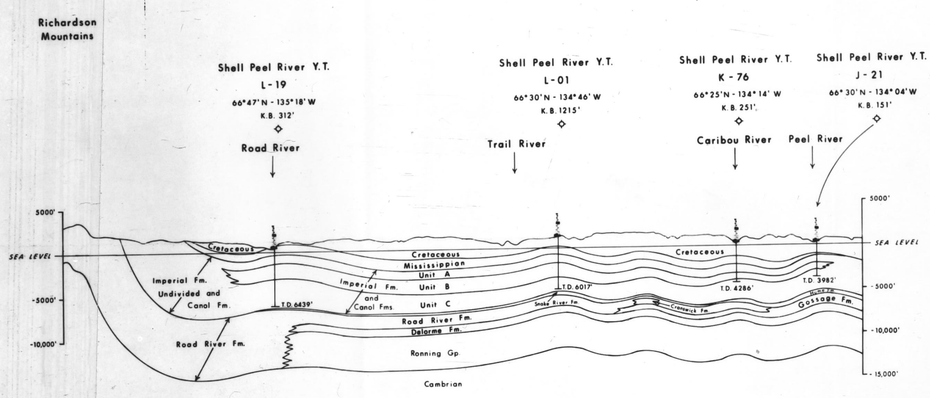
E

E'



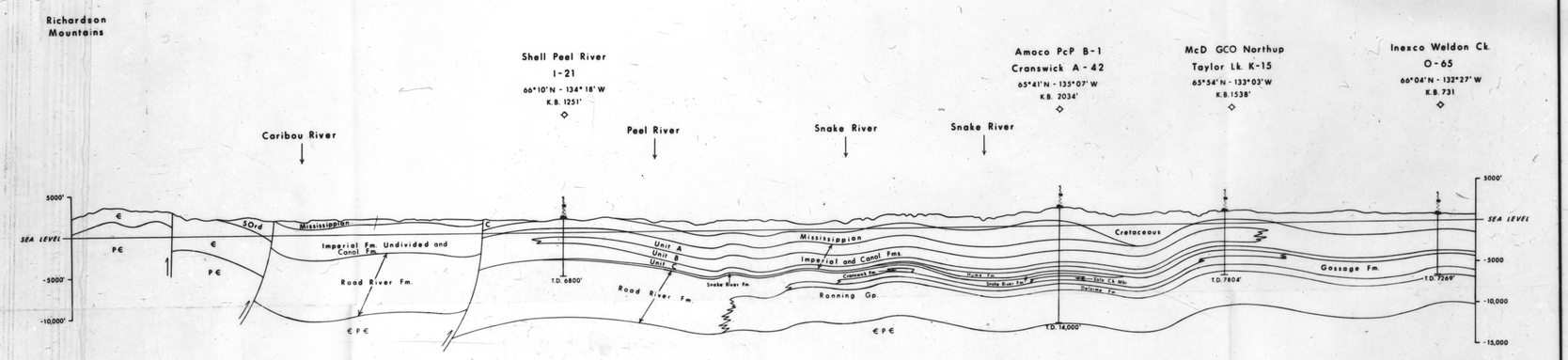
D

D'



B

B'



SCALE *Horizontal* , 1" = 4 miles
Vertical , 1" = 3000 ft

FIGURE 18

BP Exploration Canada Limited

STRUCTURAL CROSS-SECTION B-B', D-D' & E-E'

DATE	APRIL, 1977	PROVINCE	
REVISED		DEPARTMENT	GEOLOGY
SCALE	AS SHOWN	DRAWN BY	L. Cheung
AUTHOR	B. CHI	DRWG NO	G-3500

1039-01-06-041-15

E'

PACIFIC et al PEEL F-37
66°56', 134°51'
K.B. 179

IOE SATAH RIVER G-72
66°51, 134°13'
K.B. 294

SKELLY et al ARCTIC RED C-60
66°49, 133°55'
K.B. 302

SHELL ARCTIC RED WEST G-55
66°44, 133°09'
K.B. 146

18.0 MILES — 8.8 MILES — 21.6 MILES

708 (-529)

CRETACEOUS

MISSISSIPPIAN

7609 (-466)

640 (-338)

5216 (-3073)

302 (-156)

IMPERIAL FM.

IMPERIAL FM.

3525 (-3379)

6030 (-5736)

5380 (-5078)

CANOL FM.

3825 (-3679)

DATUM: BASE OF CANOL FM.

7450 (-7271)

6150 (-5856)

5486 (-5184)

HUME FM.

4160 (-4014)

EL R. FM. HUME FM.

7504 (-7325)

7835 (-7656)

6490 (-6196)

5826 (-5524)

T.D. 7500 (-7206)

GOSSAGE FM.

5742 (-5596)

9646 (-9467)

7540 (-7238)

DELORME FM.

6866 (-6720)

T.D. 8530 (-8228)

10,912 (-10,733)

10,778 (-10,632)

T.D. 11,050 (-10,871)

T.D. 10,901 (-10,755)

RONNING GP.

DST. #1: 10,890' — 11,050' Rec. 4554' sl. gsy. slt. wtr., 360' sl. gsy. mdy. slt. wtr. (125,833 ppm. Nacl), 450' mud, 30' gsy. mud

DST. #2: 9,620' — 9,780' Used & Rec. 1500' wtr. cush. (5181 ppm. Nacl). 186' mud

DST. #5: 9,110' — 9,320' Used & Rec. 860' wtr. cush. (809 ppm. Nacl). 210' mud

DST. No test run

DST. #1: 7826—8025' Rec. 180' drlg. mud

DST. #6: 7358'—7388' Rec. 3056' slt. wtr. 180' mud

DST. #8: 7802'—8164' Rec. 265' mud

DST. #1: 8671'—8819' Rec. 2720' sl. mdy. slt. wtr.

DST. #2: 5420'—5568' Rec. 200' drlg. mud, 2880 slt. wtr.

SCALE

1 inch = 400 ft.

800 400 0

0 2 4 6

1 inch = 2 miles

FIGURE 17

BP Exploration Canada Limited

STRATIGRAPHIC CROSS SECTION E-E'
UNION AMOCO McPHERSON B-25
to
SHELL ARCTIC RED WEST G-55

DATE	MARCH, 1977	PROVINCE	N.W.T.
REVISED		DEPARTMENT	GEOLOGY
SCALE	AS SHOWN	DRAWN BY	L.E.L.
AUTHOR	B. CHI	DRWG NO	G3557 F 17

039 01 06 041

039-01-06-041 E-E'

E

UNION AMOCO McPHERSON B-25
66°14', 135°34'
K.B. 1615

PACIFIC et al PEEL F-37
66°56', 134°51'
K.B. 179

IOE SATAH RIVER G-72
66°51, 134°13'
K.B. 294

SKELLY et al ARCTIC RED C-
66°49, 133°55'
K.B. 302

28.0 MILES — 18.0 MILES — 8.8 MILES

DATUM: BASE OF CANOL FM.

708(-529)
CRETACEOUS
MISSISSIPPIAN
7607(-466)
640(-338)
5216(-3073)
IMPERIAL FM.
9610(-8005)
9620
PEEL R. FM.
HUME FM.
7650(-7271)
7504(-7325)
7835(-7656)
6030(-5736)
6150(-5856)
6490(-6196)
5390(-5078)
5480(-5184)
5826(-5524)
ROAD RIVER FM.
GOSSAGE FM.
11,300(-9695)
9646(-9667)
7540(-7238)
DELORME FM.
12,456(-10,851)
10,912(-10,733)
T.D. 13,570(-11,965)
RONNING GP.
T.D. 11,050(-10,871)
T.D. 7500(-7206)
T.D. 8530(-8228)

DST. All tests misrun

DST. #1: 10,890' — 11,050' Rec. 4554' sl. gsy. slt. wtr., 360' sl. gsy. mdy. slt. wtr. (125,833 ppm. Nacl), 450' mud; 30' gsy. mud
DST. #2: 9,620' — 9,780' Used & Rec. 1500' wtr. cush. (5181 ppm. Nacl). 186' mud
DST. #5: 9,110' — 9,320' Used & Rec. 860' wtr. cush. (809 ppm. Nacl). 210' mud

DST. No test run

DST. #1: 7826'—8025' Rec. 180' drlg. mud
DST. #6: 7358'—7388' Rec. 3056' slt. wtr. 180' mud
DST. #8: 7802'—8164' Rec. 265' mud

1039-01-06-10-130

039-01-06-041 - B

D

(24) **TRAIL RIVER SECTION**
65° 25' – 65° 27' 30"
135° 21' – 135° 30'

(27) **ROAD RIVER N. SECTION**
66° 46', 135° 34'

SHELL PEEL R. YT. L – 19
66° 47', 135° 18'

SHELL PEEL R. YT. L – 1
66° 30', 134° 46'
K.B. 1295

SHELL PEEL R. YT. K – 76
66° 25', 134° 14'
K.B. 251

SHELL PEEL R. YT. J – 21
66° 30', 134° 04'
K.B. 151

D'

24 MILES | 6 MILES | 26 MILES | 16 MILES | 7.4 MILES

BASE OF FAMENNIAN

UNIT 'A'

UNIT 'B'

UNIT 'C'

IMPERIAL FM.

CRETACEOUS

MISSISSIPPIAN

DATUM: TOP OF UNIT 'B'

7600 – 7200 – 6800 – 6400 – 6000 – 5600 – 5200 – 4800 – 4400 – 4000 – 3600 – 3200 – 2800 – 2400 – 2000 – 1600 – 1200 – 800 – 400 – 0 –

2800 – 2400 – 2000 – 1600 – 1200 – 800 – 400 – 0 –

700' (-368)
1730' (-1418)
3428' (-3116)

T.D. 6493' (-6118)

DST # 1: 3264'-3323' Rec. 820' fw (150 ppm NaCl)

1269' (+33)
2028' (-733)
3026' (-1731)
4700' (-3405)

T.D. 6017' (-4722)

DST # 1: 3010'-3188' Rec. 110' m

2: 4392'-4574' Rec. 300' wcm
600' mcw
2100' sl. gsy w

1712' (-1460)
2332' (-2081)
3470' (-3219)
4165' (-3914)

T.D. 4538' (-4287)

DST # 1: 3769-3901' Rec. 60' m
110' wm (600 ppm NaCl)

1168' (-1007)
1764' (-1115)
2172' (-2221)
3060' (-2909)

T.D. 3982' (-3831)

DST # 1: 2720-2792' Rec. 180' m
115' wm

DEVONIAN TO CRETACEOUS ASSEMBLAGES – D.C. McGREGOR
G.S.C. paper 70-15, 1970

670'	AGE:	Probably Late Devonian
696'	AGE:	Probably Late Devonian
750'	AGE:	Late Devonian, Late Famennian
860'	AGE:	Late Devonian, Famennian
900'	AGE:	Probably Famnenian, possibly Late Famennian
1200'	AGE:	Late Devonian, Famennian
1500'	AGE:	Late Devonian, Famennian
1600'	AGE:	Late Devonian, possibly Famennian
1705'	AGE:	Late Devonian,
1920'	AGE:	Late Devonian, probably Famennian
2020'	AGE:	Late Devonian, probably early Famennian
2500'	AGE:	Late Devonian, late Frasnian or early Famennian
2878'	AGE:	Late Devonian, tentatively late Frasnian
4035'	AGE:	Late Devonian, Frasnian
5000'	AGE:	Late Devonian, late Frasnian or Famennian
5500'	AGE:	Middle Devonian or early late Devonian

DEVONIAN TO CRETACEOUS ASSEMBLAGES, D.C. McGREGOR
G.S.C. paper 70-15, 1970

1382'	AGE:	Early Cretaceous (unless contaminated)
1448'	AGE:	similar spore assemblage to that at depth 700 ft. in Shell Peel R YT. J-21 and is undoubtedly Early Carboniferous, Tournaisian
1472'	AGE:	an assemblage of "Strunian", ? Visean and Early Cretaceous palynomorphs (including abundant dinoflagellate cysts)
1517'	AGE:	Tournaisian spore assemblage but probably reworked.
1682'	AGE:	Tournaisian spore assemblage but probably reworked.
2462.5'	AGE:	abundant reworked Tournaisian spores; rare and rather poorly preserved Jurassic or Early Cretaceous palynomorphs
	AGE:	Jurassic or Early Cretaceous.

SCALE
1 inch = 400 ft.
800 400 0
0 2 4 6
1 inch = 2 miles

FIGURE 16

BP Exploration Canada Limited

STRATIGRAPHIC CROSS SECTION D-D'
TRAIL RIVER SECTION
to
SHELL PEEL RIVER YT J-21

DATE	MARCH, 1977	PROVINCE	N.W.T.
REVISED		DEPARTMENT	GEOLOGY
SCALE	AS SHOWN	DRAWN BY	I.E.L.
AUTHOR	B. CHI	DWG. NO	0-3557-16

039 01 06 041

039-01-06-041 -12

C

C'

GULF MOBIL CARIBOU Y.T. N-25
66°14', 134°50'
K.B. 1620

SHELL PEEL RIVER Y.T. I-21
66°10', 134° 18'
K.B. 1251

SHELL TRAIL RIVER Y.T. H-37
66°36', 134°50'
K.B. 1290

SHELL PEEL RIVER Y.T. H-69
66°08', 133°58'
K.B. 957

ARCO SAINVILLE RIVER D-08
66°17', 133°31'
K.B. 66

14 MILES | 34 MILES | 40 MILES | 16 MILES

590
1484
3020
MISSISSIPPIAN
UNIT 'A'
UNIT 'B'
1070
2170
2818
UNIT 'C'
IMPERIAL FM.
954
2054
3854
2760
CRETACEOUS
1882
4112
2398
4170
2790
3298
5740
8640
8762
CANOL FM.
9010
9220
9600
ROAD RIVER FM.
ROAD RIVER FM.
11,264
ROAD RIVER FM.
T.D. 11,812
4620
4760
CANOL FM.
5140
5456
PEEL RIVER FM.
HUME FM.
SNAKE RIVER FM.
ROAD RIVER FM.
6710
T.D. 6800
8858
8874
9286
10,350
10,450
11,070
11,440
T.D. 12,210
7848
7846
7960
7975
10,000
GOSSAGE FM.
DELORME FM.
T.D. 10,737
5560
5692
6176
8018
T.D. 8700

DATUM : BASE OF CANOL

DATUM : BASE OF CANOL FM.

DST. #1 : 9890'– 10,350' Rec. 110 ft. s. gsy. mud & 200 ft w.
DST. #2 : 9890'– 10,300' Rec. 100 ft. w., 400 ft. g.c.m.
DST. #3 : 5820'– 5865' Rec. 90 ft. sl. g.c.m.
DST. #4 : 4700'– 4815' Rec. 150 ft. mud
DST. #5 : 4530'– 4640' Rec. 150 ft. mud

DST. #1 : 2194' – 2331' Rec. 30 ft. mud
DST. #2 : 2518' – 2916' Rec. 1379 ft. fr.w. sl. gsy., 4000 ppm.
DST. #3 : 4542' – 4878' Rec. 20 ft. mud

DST. #1 : 8548'– 8832' Rec. 210 ft. mud
DST. #2 : 10,350'– 10,450' Misrun
DST. #3 : 10,323'– 10, 512' 3494 ft. mud cut salt water

DST. #1 : 10, 273'– 10,347' Misrun
DST. #2 : 10,219' – 10,324' Misrun
DST. #3 : 10, 184' – 10,737' Rec. 300 ft. salt cut mud
DST. #4 : 5718' – 5905' Rec. 310 ft. salt cut g. drlg. mud
DST. #5 : 5505' – 5658' Rec. 310 ft. salt cut drlg. mud

DST. #1 : 2365' – 2421' Rec. 140 ft. drlg. mud
DST. #2 : 2027' – 2113' Rec. 50 ft. drlg. mud
DST. #3 : 8620' – 8665' Rec. 30 ft. drlg. mud
DST. #4 : 3030' – 3043' Rec. 60 ft. m. wtr.
DST. #5 2948' – 2978' GTS 20 Mins., TSTM (2'-3' flare)
DST. #6 2850' – 2905' Rec. 60 ft. drlg. mud & wtr. (120,000 ppm Nacl)

SCALE
1 inch = 400 ft.
800
400
0
NOT IN SCALE

FIGURE 15

BP Exploration Canada Limited

STRATIGRAPHIC CROSS SECTION C-C'
GULF CARIBOU Y.T. N-25
to
ARCO SAINVILLE RIVER D-08

DATE	MARCH, 1977	PROVINCE	N.W.T.
REVISED		DEPARTMENT	GEOLOGY
SCALE	AS SHOWN	DRAWN BY	J.S.L.
AUTHOR	B. CHI	DRWG. NO.	C-1357-15

B

AMOCO PCP B-1 CRANSWICK Y.T. A-42

65°41'13" N., 133°07'52" W.
K.B. 2034

McD GLO NORTHRUP TAYLOR LK. K-15

65°54'39" N., 133°03'00" W.
K.B. 1538

INEXCO WELDON CREEK O-65

66°04'45" N., 132°27'01" W.
K.B. 731

16 MILES — 21 MILES

DATUM: BASE OF CANOL FM.

	AMOCO PCP B-1	McD GLO NORTHRUP TAYLOR LK. K-15	INEXCO WELDON CREEK O-65
MISSISSIPPIAN	1800		
CRETACEOUS			
UNIT 'A'	2840	1080	1918
UNIT 'B'	5254	2212	
UNIT 'C'	6610	3900	
CANOL FM.	6910	4275	4118
HUME FM.	7085	4452	4336
SNAKE RIVER FM.	7670	5000	6780
ROAD RIVER FM.	8130		
SOLO CRK. MBR.	8208	5690	
GOSSAGE FM.	9140	6880	6540
DELORME FM.	9770	7600	?
RONNING GP.	10,266		?
	12,500		
	T.D. 14,000	T.D. 7804	

DST. #1: 7092' – 7125' Rec. 180' m.
DST. #2: 8205' – 8238' Rec. 60' m. GTS. tstm.
DST. #3: 8663' – 8695' Rec. 85' m. GTS. 30 mins., tstm.
DST. #: 10,898' – 10,931' Rec. 390' m

DST. #1: 2393' – 2418' Rec. 100' m., 400' gsy. fw.
DST. #2: 2824' – 3003' Rec. 330' m., 1240' gsy. w.
DST. #3: 5880' – 6076' Rec. 450' m., 1190' gsy. sw.
DST. #4: 7390' – 7804' Rec. 910' slty. w.m.
DST. #5: 5640' – 5740' Rec. 1270' mdy. s.w.

DST. #1: 6228' – 6348' Rec. 100' m., 500' mdy. w.

CRETAC
IMPERIA
CANOL
HUME F
GOSSAG
DELORME
RONNING

DST. #
DST. #

039-01-06-041-11

039-01-06-041

Y.T. A-42
"W.

McD GLO NORTHRUP TAYLOR LK. K-15
65°54'39" N., 133°03'00" W.
K.B. 1538

INEXCO WELDON CREEK O-65
66°04'45" N., 132°27'01" W.
K.B. 731

ATLANTIC et al ONTARATUE H-34
66°23', 132°05'
K.B. 450

B'

16 MILES | 21 MILES | 24 MILES

CRETACEOUS

1080

CRETACEOUS

1918

852

2212

IMPERIAL FM.

3900

4275

4452

4118

4336

2890

3228

CANOL FM.

DATUM: BASE OF CANOL FM.

HUME FM.

5000

4780

3618

5690

GOSSAGE FM.

6880

6540

5210

DELORME FM.

7600

?

?

6250

T.D. 7804

DST. # 1: 6228' – 6348' Rec. 100' m., 500' mdy. w

RONNING GP.

DST. # 1: 2393' – 2418' Rec. 100' m., 400' gsy. fw.
DST. # 2: 2824' – 3003' Rec. 330' m., 1240' gsy. w.
DST. # 3: 5880' – 6076' Rec. 450' m., 1190' gsy. sw.
DST. # 4: 7390' – 7804' Rec. 910' slty. w.m.
DST. # 5: 5640' – 5740' Rec. 1270' mdy. s.w.

SCALE
1 inch = 400 ft.
800
400
0
0 2 4 6
1 inch = 2 miles

9460

PRE-CAMBRIAN

10,300

13,100

T.D. 13,370

DST. # 1: 1064' – 1271' Rec. 15' mud
DST. # 2: 4432' – 4460' Rec. 180' gas c. mud, 550' mdy. slt. w.

FIGURE 14

BP Exploration Canada Limited

STRATIGRAPHIC CROSS SECTION B-B'
AMOCO CRANSWICK Y.T. A-42
to
ATLANTIC et al ONTARATUE H-34

DATE	MARCH, 1977	PROVINCE	N.W.T.
REVISED		DEPARTMENT	GEOLOGY 3
SCALE	AS SHOWN	DRAWN BY	L.E.L.
AUTHOR	B. CHI	DRWG NO	G3557/14

039-1 06 041

A

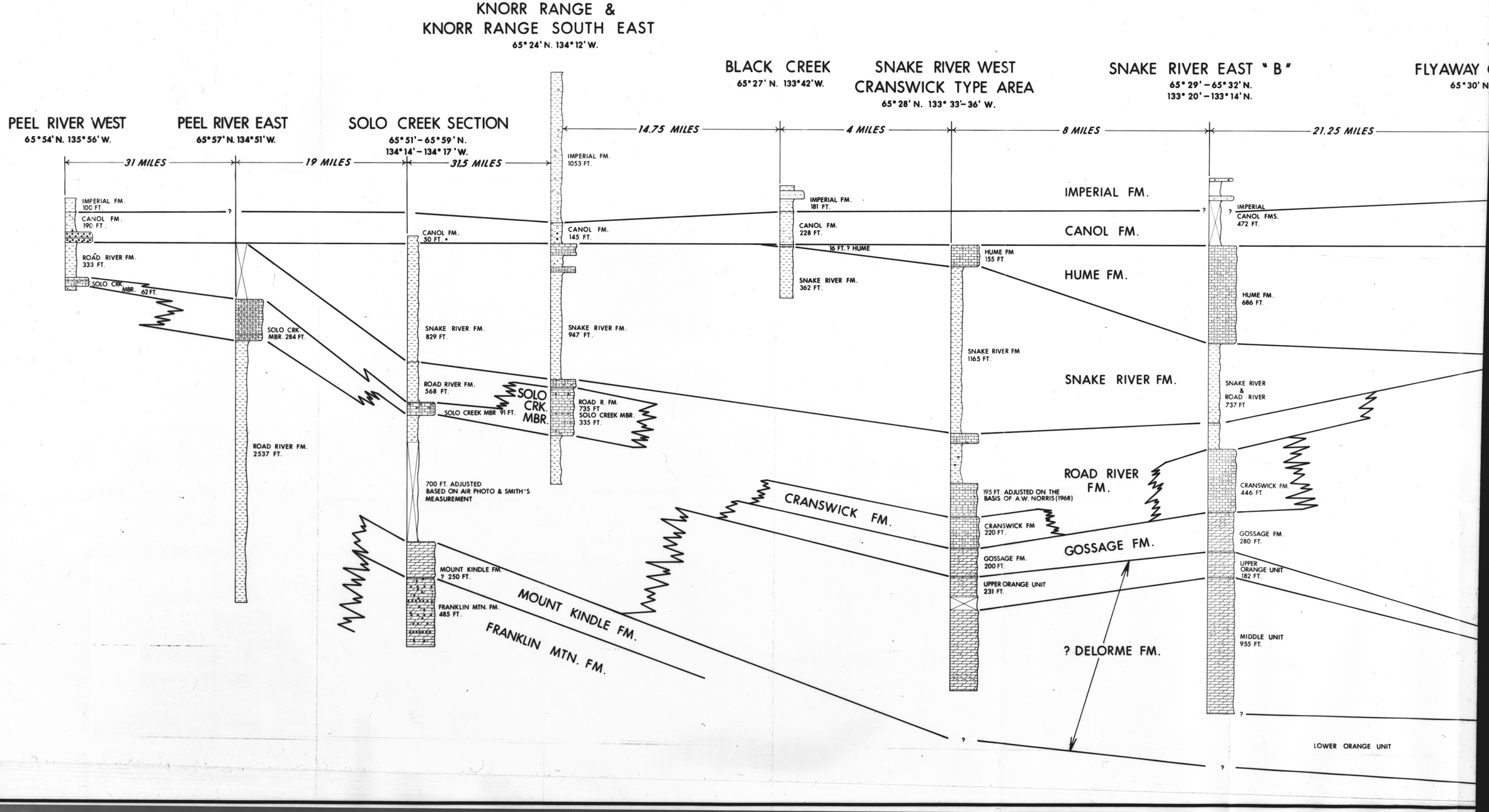

PEEL RIVER WEST
65°54' N. 135°56' W.
PEEL RIVER EAST
65°57' N. 134°51' W.
SOLO CREEK SECTION
65°51' – 65°59' N.
134°14' – 134°17' W.
KNORR RANGE &
KNORR RANGE SOUTH EAST
65°24' N. 134°12' W.
BLACK CREEK
65°27' N. 133°42' W.
SNAKE RIVER WEST
CRANSWICK TYPE AREA
65°28' N. 133°33'–36' W.
SNAKE RIVER EAST "B"
65°29' – 65°32' N.
133°20' – 133°14' N.
FLYAWAY
65°30' N
31 MILES
19 MILES
31.5 MILES
14.75 MILES
4 MILES
8 MILES
21.25 MILES
IMPERIAL FM.
100 FT.
CANOL FM.
190 FT.
ROAD RIVER FM.
333 FT.
SOLO CRK. MBR. 62 FT.
SOLO CRK. MBR. 284 FT.
ROAD RIVER FM.
2537 FT.
CANOL FM.
50 FT. +
SNAKE RIVER FM.
829 FT.
ROAD RIVER FM.
568 FT.
SOLO CREEK MBR 91 FT.
700 FT. ADJUSTED
BASED ON AIR PHOTO & SMITH'S
MEASUREMENT
MOUNT KINDLE FM.
? 250 FT.
FRANKLIN MTN. FM.
485 FT.
IMPERIAL FM.
1053 FT.
CANOL FM.
145 FT.
SNAKE RIVER FM.
947 FT.
ROAD R. FM.
735 FT
SOLO CREEK MBR.
335 FT.
SOLO CRK. MBR.
IMPERIAL FM.
181 FT.
CANOL FM.
228 FT.
16 FT. ? HUME
SNAKE RIVER FM.
362 FT.
CRANSWICK FM.
HUME FM
155 FT.
SNAKE RIVER FM
1165 FT.
195 FT. ADJUSTED ON THE
BASIS OF A.W. NORRIS (1968)
CRANSWICK FM
220 FT.
GOSSAGE FM.
200 FT.
UPPER ORANGE UNIT
231 FT.
MOUNT KINDLE FM.
FRANKLIN MTN. FM.
IMPERIAL FM.
CANOL FM.
HUME FM.
SNAKE RIVER FM.
ROAD RIVER FM.
GOSSAGE FM.
? DELORME FM.
IMPERIAL
CANOL FMS.
472 FT.
HUME FM.
686 FT.
SNAKE RIVER
&
ROAD RIVER
737 FT
CRANSWICK FM.
446 FT.
GOSSAGE FM.
280 FT.
UPPER
ORANGE UNIT
182 FT.
MIDDLE UNIT
955 FT.
LOWER ORANGE UNIT

FIGURE 13

BP Exploration Canada Limited

STRATIGRAPHIC CROSS SECTION A-A'
PEEL RIVER WEST
to
FLYAWAY CREEK

DATE JANUARY, 1977	PROVINCE
REVISED	DEPARTMENT GEOLOGICAL
SCALE	DRAWN BY L.E.L
AUTHOR B.I. CHI	DRWG NO G3555

039 .1 06 041