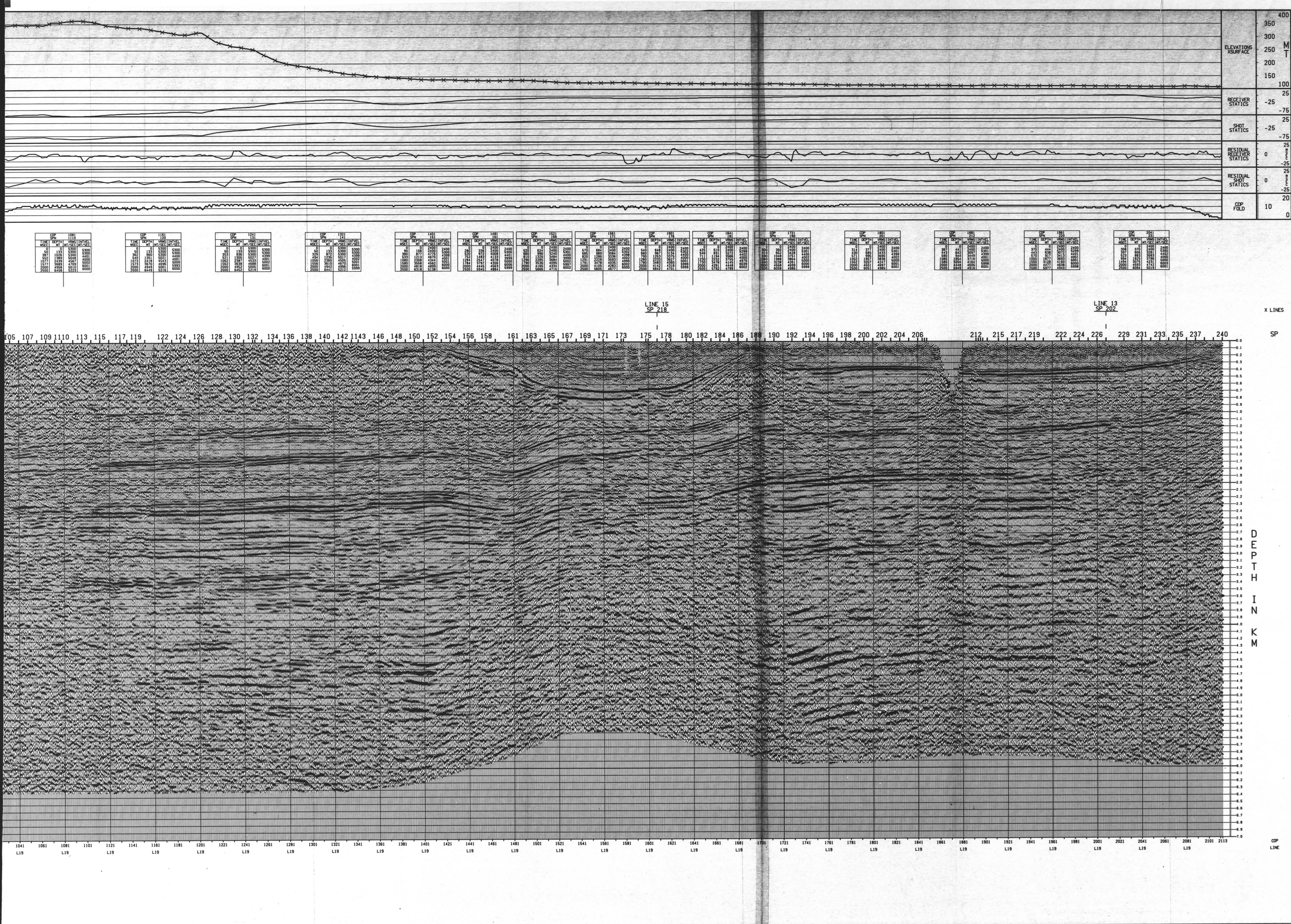




LINE 19
SP 101 TO 240

PETRO CANADA
AREA : BRACKETT LAKE
NTS 96F

DEPTH SECTION

FIELD DATA

RECORDED BY : WESTERN GEOPHYSICAL PARTY 362
DATE : MARCH - APRIL 1985

INSTRUMENTATION

AMPLIFIERS : DFG V
NO. OF TRACES : 96
RECORDING FILTER : 8 - 128 HZ
FORMAT : SEG 5 TRACK
RECORD LENGTH : 6 SECONDS
SAMPLE RATE : 2 MSEC
DENSITY : 1600 B.P.I.
GEOPHONE TYPE : LRS 14 HZ

RECORDING SPREAD

ENERGY SOURCE

GROUP INTERVAL : 33 METERS
SHOT POINT INTERVAL : 132 METERS
INTENDED COVERAGE : 12 FOLD
GEOPHONE ARRAY : 9 GEOPHONES IN LINE
CONFIGURATION : AT 7.5 METERS

TYPE : DYNAMITE
WEIGHT : 2 KGS PER HOLE
HOLE DEPTH : 18 METERS
PATTERN : SINGLE HOLE

TR 06 : 66 M
TR 09 : 66 M
TR 10 : 66 M
TR 11 : 1017 M

DIGITAL PROCESSING

DATUM : 150 METERS A.S.L.
REPLACEMENT VELOCITY : 3200 METERS/SECOND

1. GROUND LIFTING : OUTPUT AT 2 MSEC. SAMPLING TO 3 SECONDS

2. TRACE EDITING : FROM FIELD MONITORS

3. STATICS COMPUTATIONS : WEATHERING STATICS FROM FIRST BREAK ANALYSIS

4. TRUE AMPLITUDE RECOVERY : 7 DB/SEC FROM 0 TO 3.0 SECONDS

5. FIRST BREAK NOISE SUPPRESSION

6. DECONVOLUTION : ONE OPERATOR OF 80 MSEC
2.0 PERCENT WHITE NOISE LEVEL
DESIGN GATES : 300 TO 1800 MSEC NEAR TR
300 TO 2500 MSEC FAR TR

7. EQUALIZATION

8. RESIDUAL STATICS ANALYSIS : SURFACE CONSISTENT AUTOMATIC STATICS
(HSTATIC) PLUS TRIM STATICS

9. RELATIVE STATICS - RESIDUAL
STATICS APPLICATION

10. NORMAL MOVEOUT CORRECTION : VELOCITY ANALYSIS FROM VELSCANS
(BEFORE AND AFTER AUTOMATIC STATICS)

11. MEAN DATUM STATICS APPLICATION

12. STACK NOTE : TIME IN MSEC. : OFFSETS IN METERS
-50 : 66
0 : 264
100 : 495
150 : 667

13. CDP STACK : 12 FOLD

14. MIGRATION : WAVE EQUATION MIGRATION
KIRCHOFF F/K DOMAIN
DIP LIMITED

15. TIME INVARIANT FILTER : 10/20 - 60/70 HZ

16. TIME VARIANT SCALING : (10 X 100) 200,200,300,500 MSEC. GATES
START TIME = 0 MSEC.

17. TIME TO DEPTH : INTERVAL VELOCITIES PICKED BY CLIENT

DISPLAY POLARITY : NORMAL (PEAK ON DISPLAY REPRESENTS
POSITIVE NUMBER ON TAP.)

DISPLAY

HORIZONTAL SCALE : 24.0 TR/IN 60.606049 TR/KM
VERTICAL SCALE : 2.635000 IN / KM
POLARITY : NORMAL
TRACE TYPE : MTVAR 0.0 PERCENT
DATUM : 150 M A.S.L.
DISPLAY UNIT : 0.822476 CM

DISPLAY GAIN

28 JUN 1985
13:59:32

GEOPHYSICAL SERVICE INCORPORATED
A DIVISION OF TEXAS INSTRUMENTS LTD
PROCESSING PARTY CHIEF : J. LUKUSKI

CALGARY LAND 6430