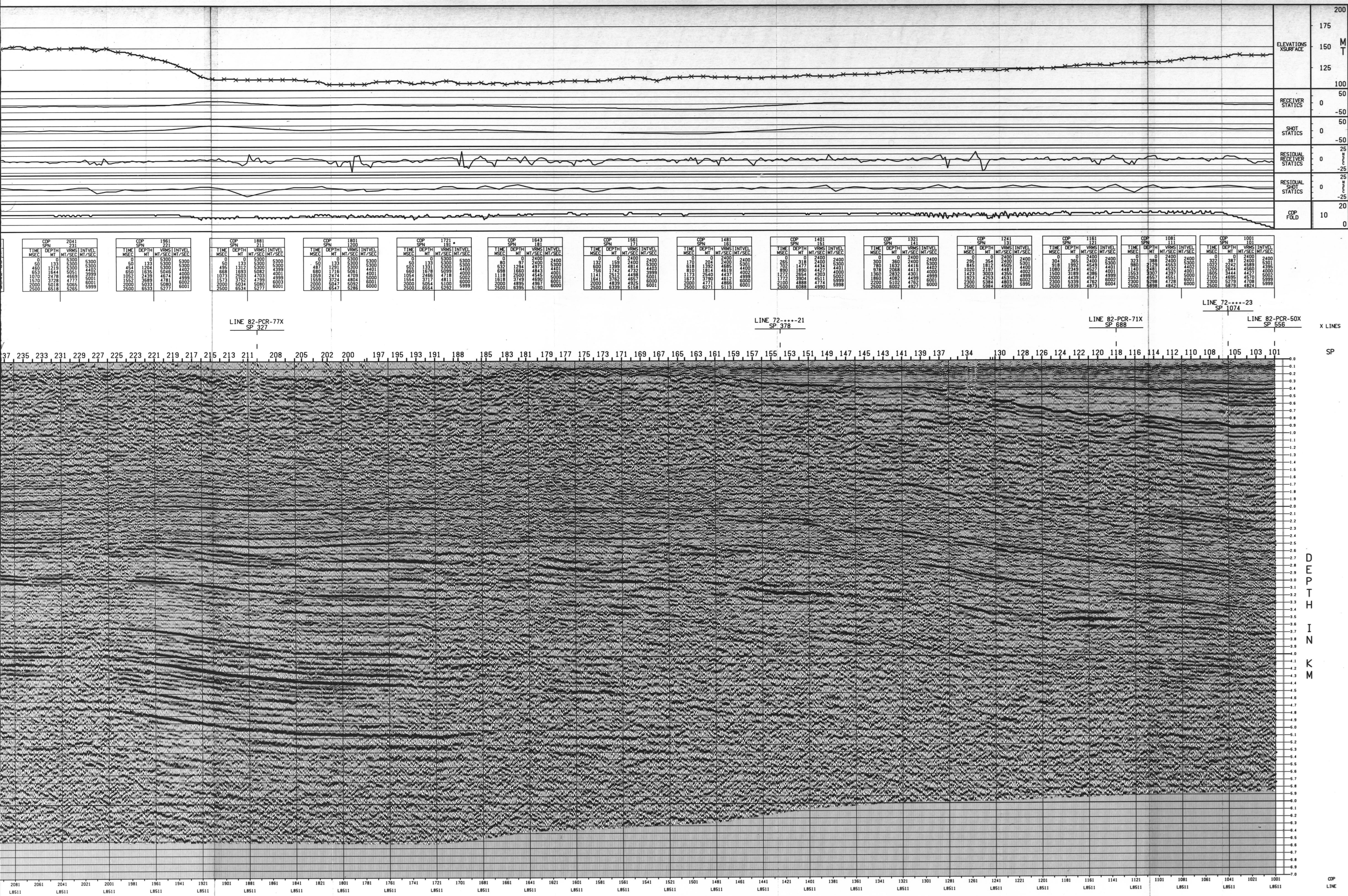




LINE 11
SP 101 TO 305

PETRO CANADA
AREA : BRACKETT LAKE
NTS 96F

DEPTH SECTION

FIELD DATA

RECORDED BY : WESTERN GEOPHYSICAL PARTY 362
DATE : MARCH - APRIL 1985
INSTRUMENTATION :
AMPLIFIERS : 86 V
NO. OF TRACES : 8
RECORDING FILTER : 8 - 128 HZ
FORMAT : SEIS 8 TRACK
RECORD LENGTH : 6 SECONDS
SAMPLE RATE : 2 HSEC
DENSITY : 1800 B P.I.
GEOPHONE TYPE : LRS 14 HZ

RECORDING SPREAD : 33 METERS
SHOT POINT INTERVAL : 132 METERS
INTENDED COVERAGE : 12 FOLD
GEOPHONES IN LINE : AT 7.5 METERS

ENERGY SOURCE :
TYPE : DYNAMITE
METERS : 2 KGS. PER HOLE
HOLE DEPTH : 18 METERS
PATTERN : SINGLE HOLE

DIGITAL PROCESSING

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

1. DEMULTIPLIER : OUTPUT AT 2 HSEC. 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
5 PERCENT WHITE NOISE LEVEL
DESIGN GATES : 300 TO 1500 MSEC. NEAR TR
950 TO 2250 MSEC. FAR TR

7. EQUALIZATION

8. RESIDUAL STATICS ANALYSIS : SURFACE CONSISTENT AUTOMATIC STATICS
(HSTATC) 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 MUTE : TIME (IN MSEC.) : OFFSETS (IN METERS)
-50 66
0 264
400 495
1100 1617

13. CDP STACK : 12 FOLD

14. MIGRATION : WAVE EQUATION MIGRATION
KIRCHHOFF 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 TAPE)

DISPLAY

HORIZONTAL SCALE : 24.0 TR/IN 60.806048 TR/KM
VERTICAL SCALE : 2.635000 IN / KM
POLARITY : NORMAL
TRACE TYPE : BIAS : 0.0 PERCENT
DATUM : 150 M A.S.L.
DISPLAY UNIT : 0.848736 CM

DISPLAY GAIN :
CDP INPUT : 1
GAIN : 1
DECIBELS : 0

26 JUN 1985
15:38:10

CALGARY LAND 6430

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

