

9229-P28-14E

LINE 8512 SHOT POINTS 101 TO 316

PETRO CANADA
AREA : GREAT BEAR LAKE
NTS 96-G

MIGRATION (NORMAL POL.)

FIELD DATA

RECORDED BY: SEISCOM DELTA UNITED PARTY 552
RECORDED FOR: PETRO CANADA
DATE: JANUARY-MARCH 1985

INSTRUMENTATION:
AMPLIFIERS: DFS V
NO OF TRACES: 120
RECORDING FILTER: 18 - 128 HZ
FORMAT: SEC
RECORD LENGTH: 4 SECONDS
SAMPLE RATE: 2 HSEC
TAPE DENSITY: 1600 B P.I.
GEOPHONE TYPE: MARK L-28 14 HZ

RECORDING SPREAD: 20 METERS
SHOT POINT INTERVAL: 100 METERS
INTENDED COVERAGE: 12 FOLD
GEOPHONE ARRAY: 9 GEOPHONES INLINE AT 2.4 METERS

ENERGY SOURCE: DYNAMITE
CHARGE SIZE: 2.0 KG PER HOLE
HOLE DEPTH: 14.0 METERS
PATTERN: SINGLE HOLE

GROUP INTERVAL: 20 METERS
SHOT POINT INTERVAL: 100 METERS
INTENDED COVERAGE: 12 FOLD
GEOPHONE ARRAY: 9 GEOPHONES INLINE AT 2.4 METERS

TR120 TR61 SP TR60 TR1
T
20 M ± 20 M ± 1200 M

DIGITAL PROCESSING

DATUM: 305 METERS A.S.L.
REPLACEMENT VELOCITY: 2450 METERS/SEC

1. DEMULTIPLEX: OUTPUT AT 2 HSEC. SAMPLING TO 4 SECONDS
FROM FIELD MONITORS

2. TRACE EDITING: ELEVATION STATISTICS

3. STATICS COMPUTATIONS: 7 DB/SEC FROM 0 TO 3.0 SECONDS

4. TRUE AMPLITUDE RECOVERY: FIRST BREAK NOISE SUPPRESSION

5. MUTE: ONE OPERATOR OF 80 MSEC
1.0 PERCENT WHITE NOISE LEVEL

6. DECONVOLUTION: DESIGN GATES: 200 TO 1800 MSEC NEAR TRACE
800 TO 1800 MSEC FAR TRACE

7. EQUALIZATION: SURFACE REFERENCED (TYPE: VELSCAN)

8. VELOCITY ANALYSIS: SURFACE CONSISTENT AUTOMATIC STATICS (HSTATIC)

9. RESIDUAL STATICS ANALYSIS: SURFACE REFERENCED (TYPE: VELSCAN)
(RELATIVE - RESIDUAL STATICS APPLIED)

10. VELOCITY ANALYSIS: SURFACE REFERENCED (TYPE: VELSCAN)
(RELATIVE - RESIDUAL STATICS APPLIED)

11. MEAN DATUM STATICS APPLICATION

12. TRIM STATICS: TIME (IN MSEC) OFFSET (IN METERS)
-50 0 200
400 1000 1200

13. STACK MUTE: 12 FOLD

14. COMMON DEPTH POINT STACK: WAVE EQUATION MIGRATION
KIRCHHOFF T/K DOMAIN
DIP LIMITED

15. MIGRATION: 13/23 - 50/60 HZ

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

17. TIME VARIANT SCAILING: NORMAL (PEAK ON DISPLAY REPRESENTS POSITIVE NUMBER ON TAPE)

DISPLAY POLARITY: NORMAL (PEAK ON DISPLAY REPRESENTS POSITIVE NUMBER ON TAPE)

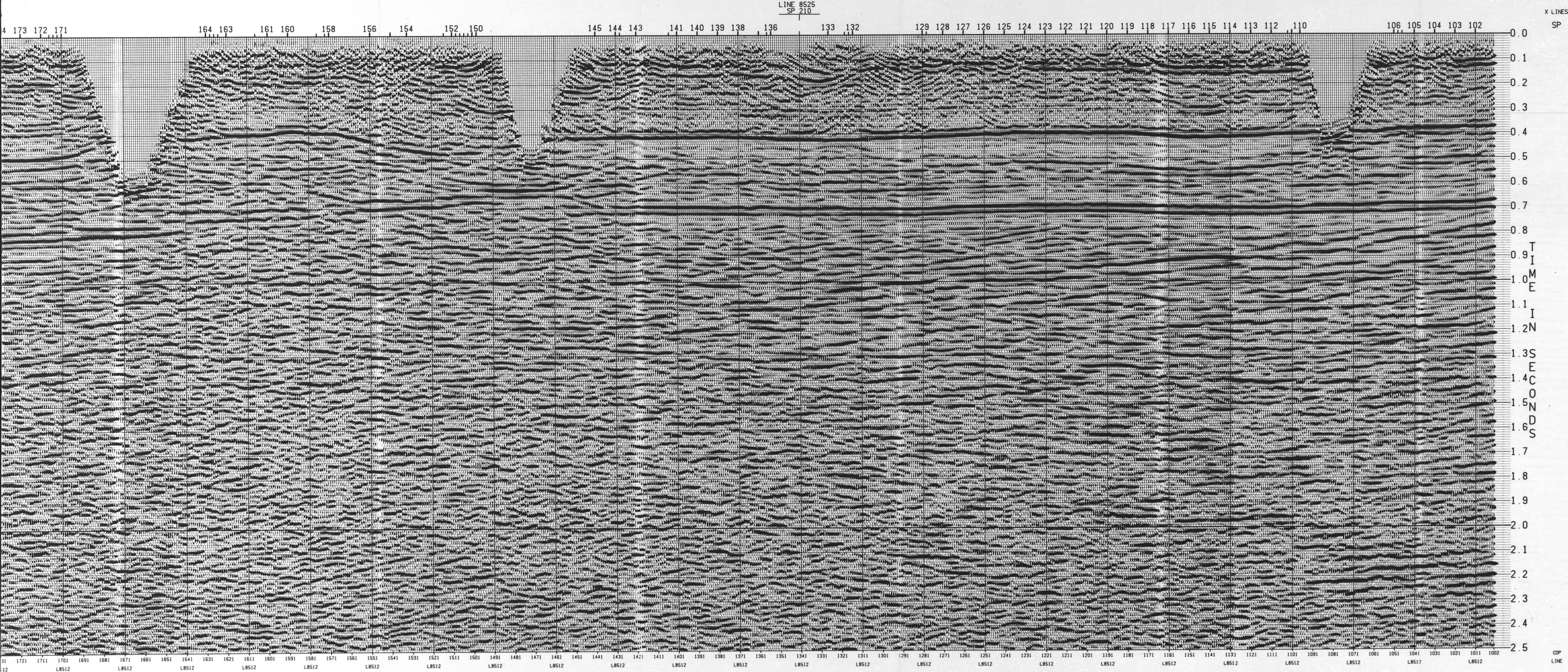
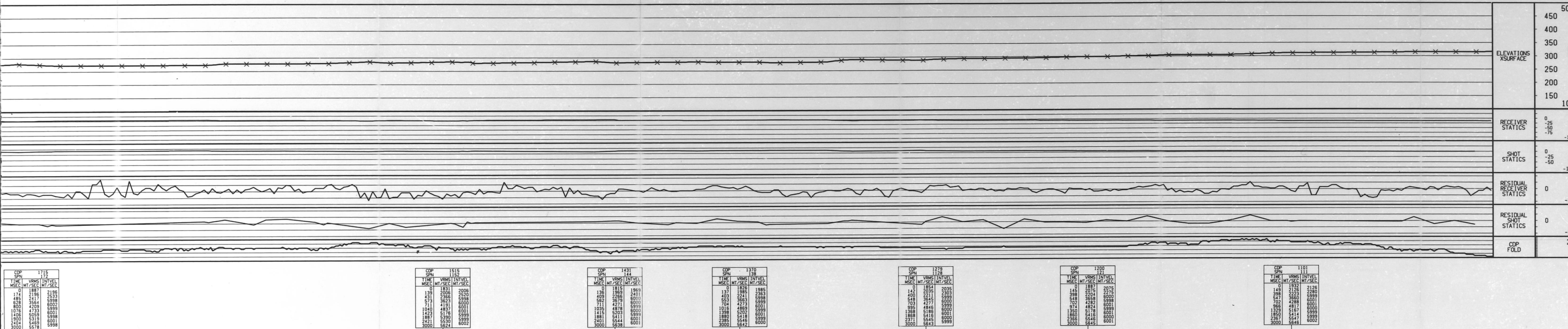
DISPLAY

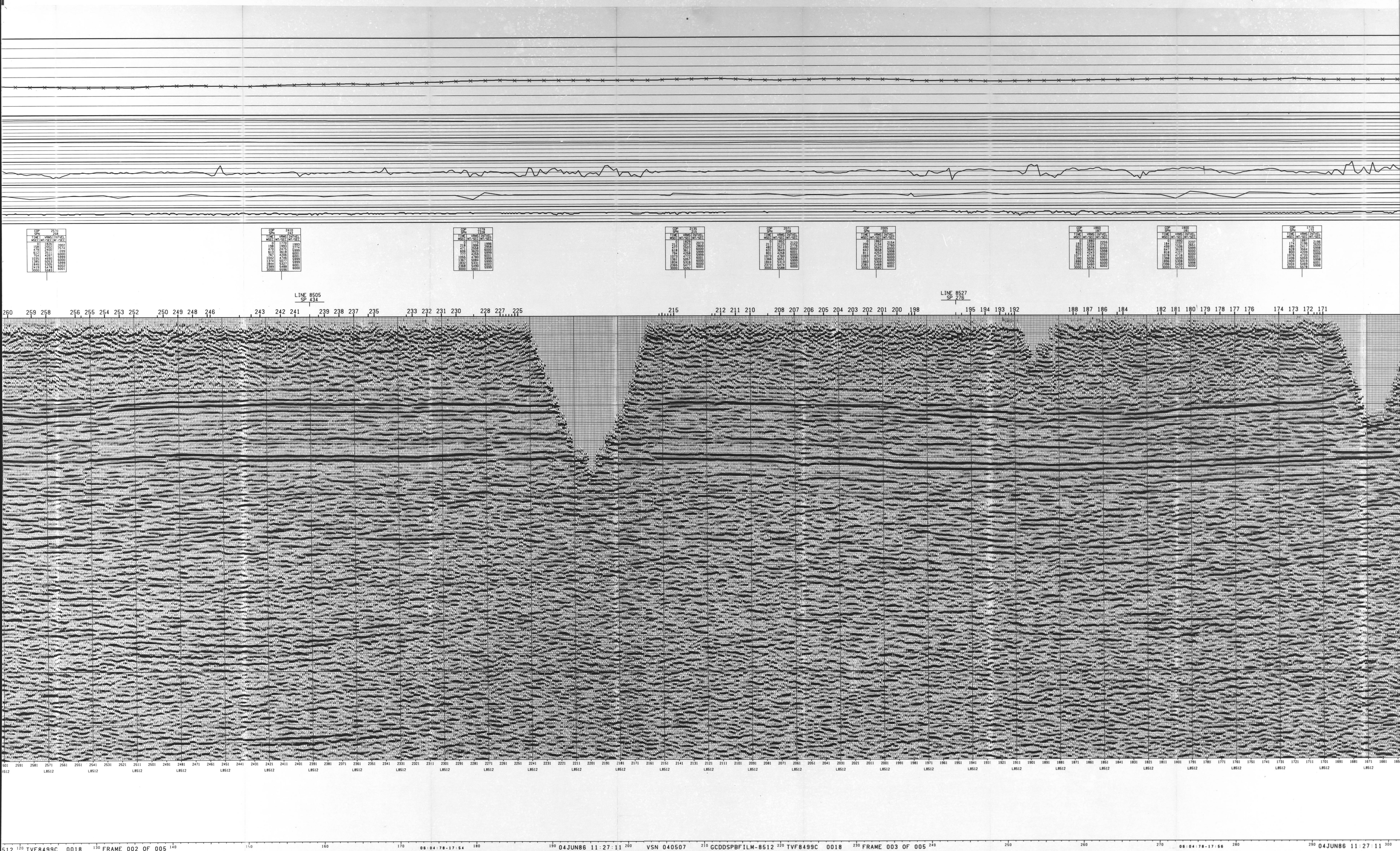
HORIZONTAL SCALE: 16.0 TR/IN 100.0 TR/KM
VERTICAL SCALE: 7.50000 IN / SEC
POLARITY: NORMAL
TRACE TYPE: BIAS: W14W 0.0 PERCENT
DATUM: 305 MT A.S.L.
DISPLAY UNIT: 0.822476 CM

DISPLAY GAIN: 1000

0 1 2 3 4 5 6 7 8 9 10

04 JUN 1986 11:18:25
CALGARY LAND 6430/135133
GEOPHYSICAL SERVICE INCORPORATED
A DIVISION OF TEXAS INSTRUMENTS LTD
PROCESSING PARTY CHIEF: J. LUKUSKI





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