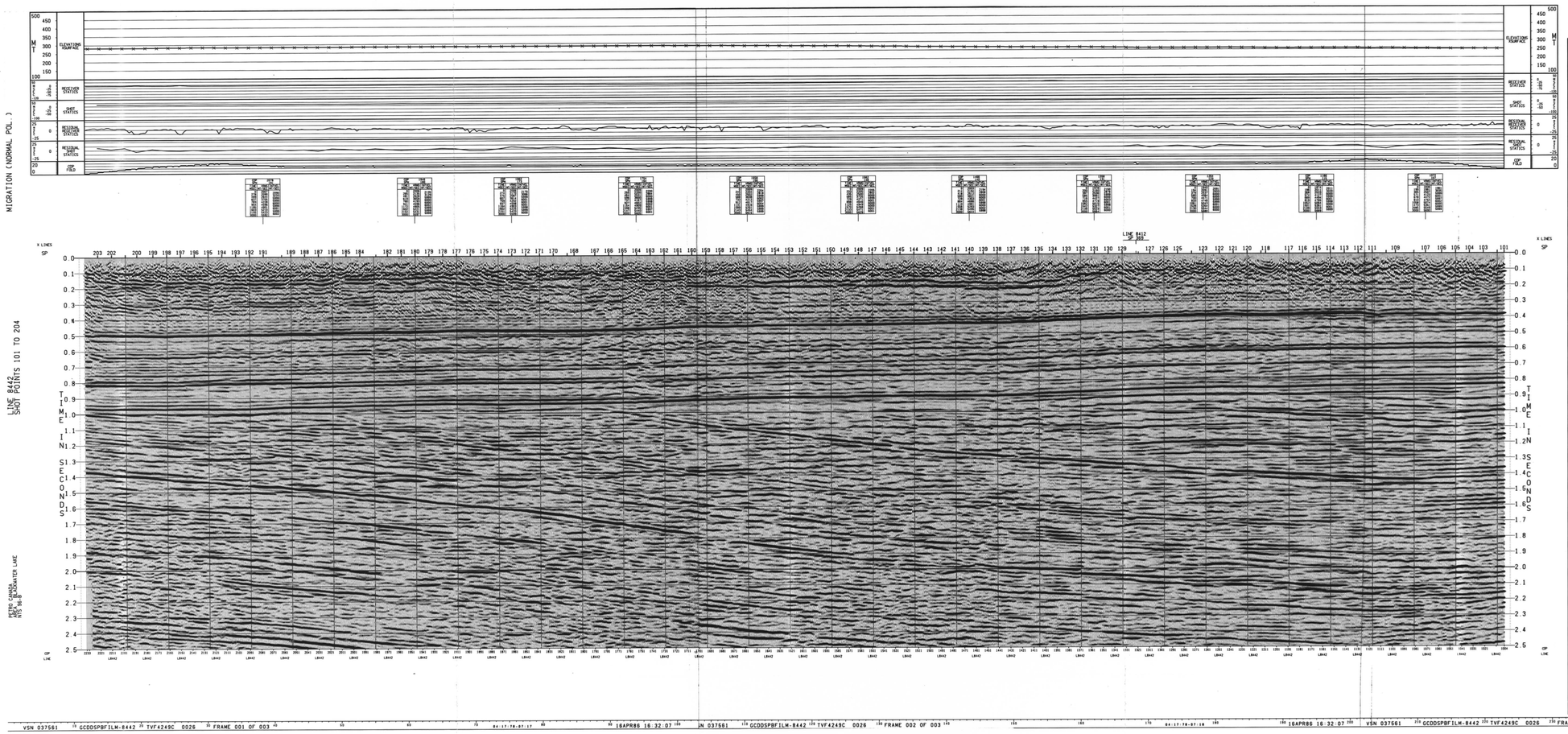



9-29-13-15E

# LINE 8442

## SHOT POINTS 101 TO 204

PETRO CANADA
AREA : BLACKWATER LAKE
NTS 96-B

NORTH EAST → ← DIRECTION SHOT

## MIGRATION (NORMAL POL.)

### FIELD DATA

RECORDED BY: SEISCOM DELTA UNITED PARTY 552
RECORDED FOR: PETRO CANADA
DATE: JANUARY--MARCH 1986

INSTRUMENTATION

AMPLIFIERS: DFS V
RECORDING FORMAT: SEG B
RECORDING FILTER: 18 , 128 HZ
GAIN: 48 DB
FORMAT LENGTH: 4 SECONDS
SAMPLE RATE: 2 MSEC
SAMPLE FREQUENCY: 60 CYCLES P.S.
GEOPHONE TYPE: MARK L-28 14 HZ

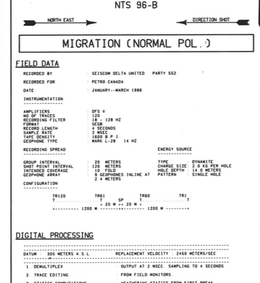
RECORDING SPREAD

ENERGY SOURCE

GROUP INTERVAL: 20 METERS
SHOT POINT INTERVAL: 100 METERS
SHOT HOLE DEPTHS: 20 FEET
GEOPHONE ARRAY: 3 GEOPHONES IN LINE AT 2 X METERS

TYPE: DYNAMITE
CHARGE SIZE: 1.0 KG PER HOLE
HOLE DEPTH: 18 X 0.9 METERS
PATTERN: SINGLE HOLE

CONFIGURATION




### DIGITAL PROCESSING

DATUM : 900 METERS A.S.L. REPLACEMENT VELOCITY : 2450 METERS/SEC

1. DEMULTIPLEX — OUTPUT AT 2 MSEC SAMPLING TO 4 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. MUTE — FIRST BREAK NOISE SUPPRESSION
6. DECONVOLUTION — ONE OPERATOR OF 80 MSEC; 1.5 PERCENT WHITE NOISE LEVEL; DESIGN GATES: 300 TO 1800 MSEC NEAR TRACE; 300 TO 1800 MSEC FAR TRACE
7. EQUALIZATION
8. VELOCITY ANALYSIS — SURFACE REFERENCED (TYPE VELSCAN)
9. RESIDUAL STATICS ANALYSIS — SURFACE CONSISTENT AUTOMATIC STATICS (WEASTI)
10. VELOCITY ANALYSIS — SURFACE REFERENCED (TYPE VELSCAN) (RELATIVE - RESIDUAL STATICS APPLIED)
11. MEAN DATUM STATICS APPLICATION
12. TRIM STATICS
13. STACK MUTE — TIME(IN MSEC) OFFSET(IN METERS): 0 0; 250 250; 500 500; 1000 1200
14. COMMON DEPTH POINT STACK — 18 FOLD
15. MIGRATION — WAVE EQUATION MIGRATION KIRCHHOFF F/K DOMAIN SDP LIMITED
16. TIME INVARIANT FILTER — 15/25 - 50/80 HZ
17. TIME VARIANT SCALING — (10.0 100.0 200 200.900.500 MSEC GATES START TIME , 0 MSEC)

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

### DISPLAY

HORIZONTAL SCALE : 96.0 TR/IN . 150.0 TR/KM
VERTICAL SCALE : 3 TRACES IN / SEC
TRACE TYPE : BVAS - WTGAIN R.O. PERCENT
DATUM : 300 MT A.S.L.
DISPLAY UNIT : 0 41128 CM

| DISPLAY GAIN | |
|---|---|
| START | END |
| 1.0 | 2.0 |

16 APR 1986
16 26 06

CALGARY LAND 6430/135133

GEOPHYSICAL SERVICE INCORPORATED
A DIVISION OF TEXAS INSTRUMENTS LTD

PROCESSING PARTY CHIEF : J. LEUSKI

VSN 037561 GCDDSPBFILM-8442 TVF4249C 0026 FRAME 001 OF 003 16APR86 16:32:07 JN 037561 GCDDSPBFILM-8442 TVF4249C 0026 FRAME 002 OF 003 16APR86 16:32:07 VSN 037561 GCDDSPBFILM-8442 TVF4249C 0026 FRAME 003 OF 003

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LINE NO. 8442
PART NO. 1 OF 1
R.R. 8X