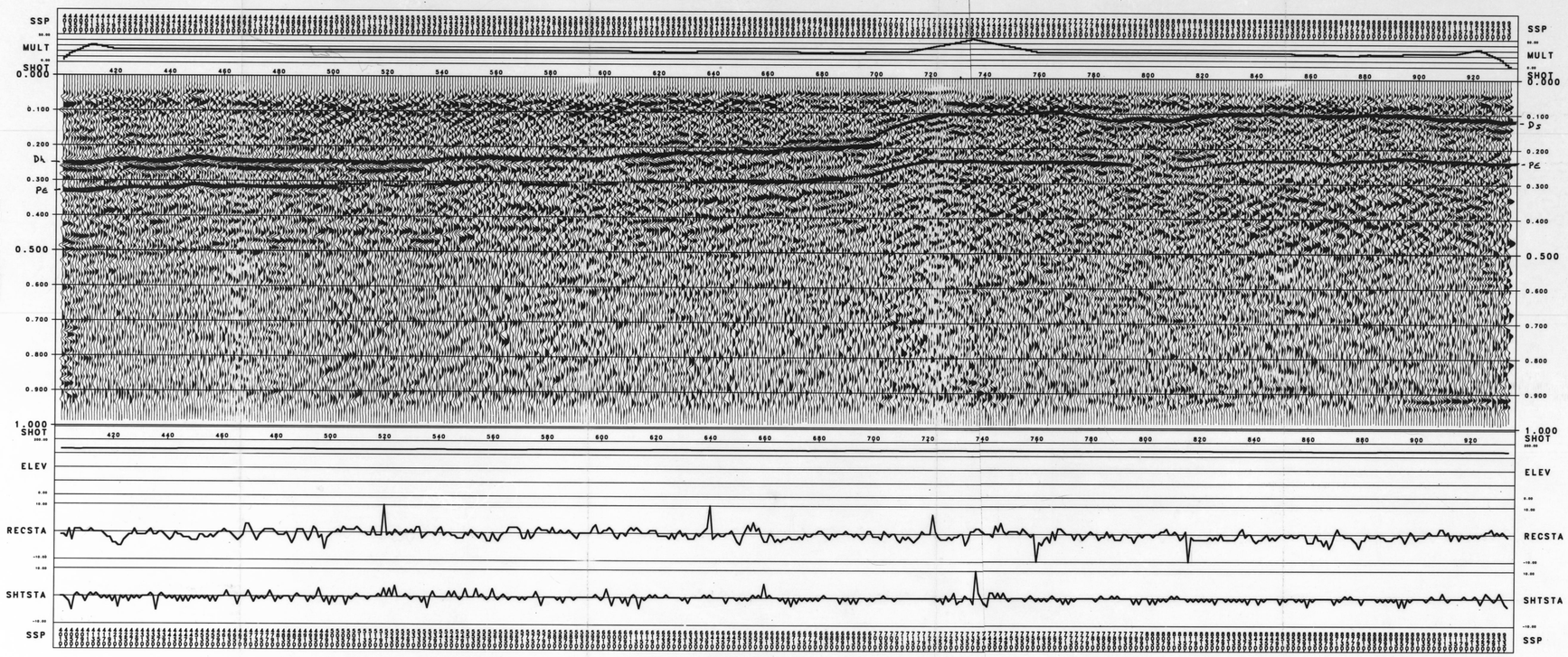
ENCLOSURE #2
CORRELATED SEISMIC
LINE 65-3A

9229-56-2E



— Ds : Devonian Slave Point
— Dh : Devonian Hume
— PЄ : Precambrian

Shell Canada Limited

A00650003A
STRUCTURAL STACK
S.P. 400 TO 934
NW <---------> SE

AREA: FT. PROVIDENCE NWT

DATUM: 183 M VCOR: 2850 M/S
LOCATION OF LOW STATION: 61° 22' N.
(APPROXIMATE) 117° 05' W.
SHOT BY: SONICS EXPLORATION LTD
DATE: FEBRUARY 24-26, 1987
HORIZONTAL SCALE 1:10000.
VERTICAL SCALE: 7.50 IPS
INVERT POLARITY

Canada Oil and Gas Lands Administration
Administration des sables et de gaz des terres du Canada
JAN 18 1991
Resource Evaluation Branch
Division de l'évaluation des Ressources
Project #

FIELD PARAMETERS:

RECORDING INSTRUMENT:
RECORDER: DFS-V
LOW CUT FILTER: OUT
HIGH FILTER: 128 HZ @ 72 dB/OCT.
RECORD LENGTH: 1 SEC.
DIGITAL INTERVAL: 2 MS
TAPE FORMAT: SEGD

GEOPHONE ARRAY:
1 STRING OF 8 GEOSPACE 200C GEOPHONES
1.875 M BETWEEN GEOPHONES
14 HZ RESONANT FREQUENCY

SOURCE:
DYNAMITE - 1 HOLE 18 M DEEP
1 KG/HOLE
SHOT AT THE STAKE

SPREAD GEOMETRY:
STATION SPACING 15 M SOURCE SPACING 30 M

TYPICAL SPREAD - SP 460

```
TRN  1            60   61          120
STN  400         459   461         520
     |------------|-|-|------------|
   -900M        -15M  15M        900M
```

PROCESSING SEQUENCE:

- INPUT FIELD TAPES - FL8232
  FL8233
  FL8234
- DEMULTIPLEX
- ANTI-ALIAS FILTER, MIN. PHASE, 85 HZ @ 72 dB/OCT
- RESAMPLE TO 4 MS
- VCOR
- VELOCITY ANALYSIS
- REJECT OFFSETS GREATER THAN 900 M
- EDIT BAD TRACES
- APPLY FIELD STATICS
- AVC 200 MS
- NF 60 HZ
  OUT 5 DCD, 2000 M/S
  OR 3 DCD, 2000 M/S
- UNDO AVC
- EXPONENTIAL GAIN CORRECTION
  GAMMA = 1.3
- WIENER SPIKING DECONVOLUTION
  DERIVE GATE: 100 MS - 2.0 % WHITE NOISE
  DERIVE GATE: 320 - 800 MS; AT X = 100 M
  320 - 900 MS; AT X = 900 M
  APPLY GATE: 320 - 1000 MS
- SORT TO SSP-GOISI
- REJECT OFFSETS GREATER THAN 499 M
- COMPUTE SURFACE-CONSISTENT STATICS
  REFERENCE METHOD
  DERIVE GATE: PS - 555 MS; AT SSP = 8100
  PS - 555 MS; AT SSP = 8300
  3 ITERATIONS
  CORR 20, AND 13 MS
- NMO, DRYCK, AND APPLY STATICS
- TRACE BY TRACE NORMALIZATION
  GATE 100 - 500 MS
- APPLY INITIAL BANDING
- COMPUTE NON-SURFACE CONSISTENT TRIM STATICS
  VERIFY GATE: 100 - 500 MS
  VERIFY CMP
- STACK, 12 FOLD
- SUM-2:1
- BANDPASS FILTER 65/70 HZ, ZERO PHASE.
- TRACE BY TRACE NORMALIZATION.
  GATE 100 - 500 MS
- DISPLAY.

ARCHIVE INFORMATION:

THE STATICS PLOTTED BELOW THE SECTION ARE REFLECTION STATICS ONLY.
IDENTIFIERS WITH TT UPDATED TO BE THE SUM OF FIELD AND REFLECTION STATICS SAVED ON REEL AC6480.
FINAL PROCESSED SSP'S WITH STATICS UPDATED AS ABOVE FOR LINE 65-3A ON REEL AC6481.
FINAL TRIM STACK SAVED ON REEL AC6475 FILE 12.

PROCESSED BY: LEFEBVRE/ CRYER/DEERE DATE: MAY/87

FRAME NUMBERS: 2006289, 2006332

VERSION: 1

terra
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P4
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA
PROJ. NO. 0220-S6-2E
LINE NO. A00650003A
PART NO. 1 OF 1
R.R. 8X