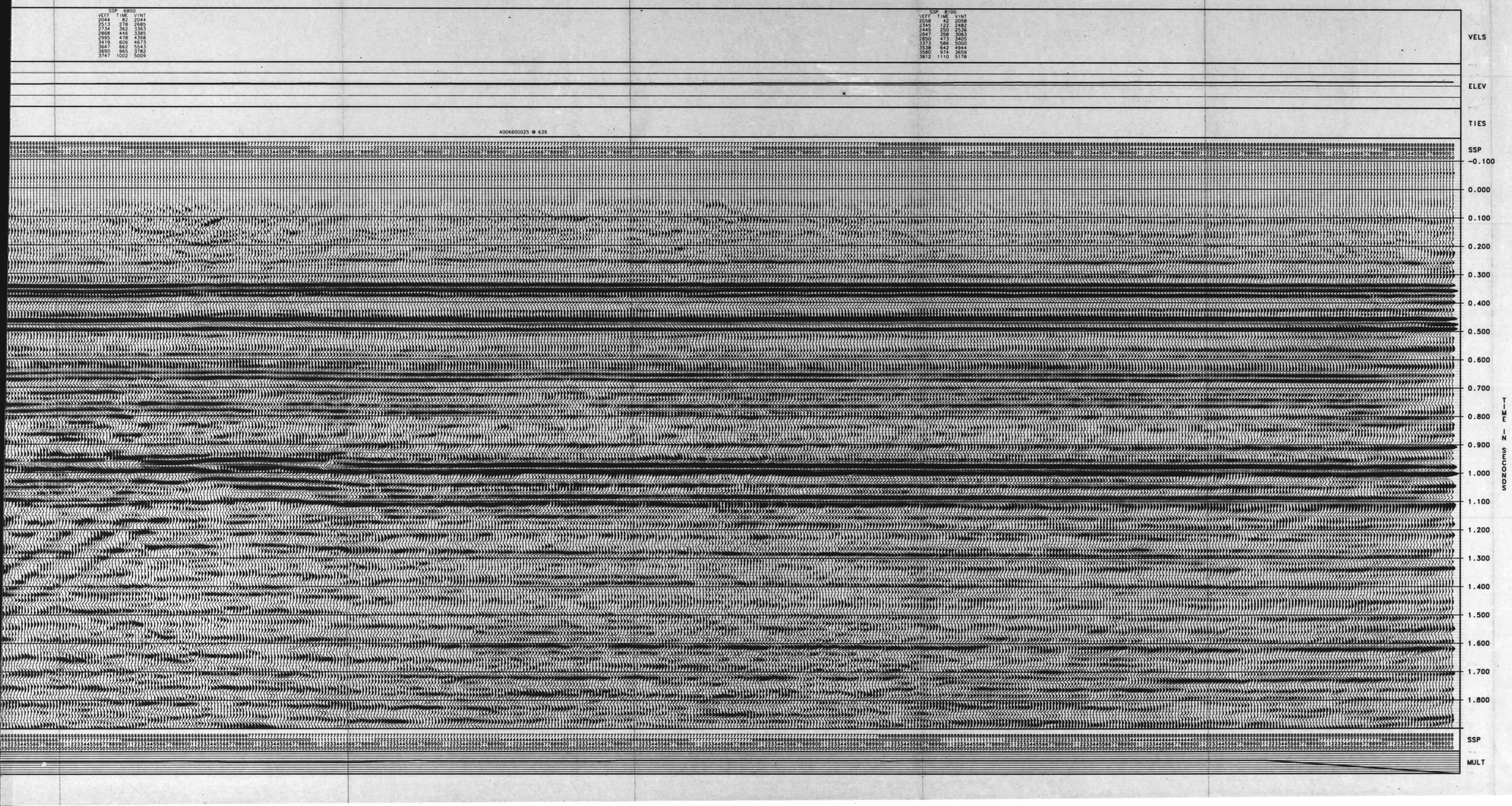

Canada Oil and Gas Lands Administration
Administration des géréts et de gaz des terres du Canada
MAR 23 1993
Resource Evaluation Branch
Direction de l'évaluation des ressources
Project 9

Shell Canada Limited

A006600035

MIGRATED STACK
NORMAL POLARITY

SP 400 TO 892

S <---------> N

AREA: THINAHTEA

FOLD: 60
DATUM: 550M VCOR: 3050 M/S
SHOT BY: SONIC EXPLORATION
DATE: FEB, 1989

FIELD PARAMETERS:

RECORDING INSTRUMENT:
RECORDER: DFSV-828
HIGH CUT FILTER: 180 HZ 72 DB/OCT
RECORD LENGTH: 3.0 SEC
DIGI. INTERVAL: 2 MS
TAPE FORMAT: SEGB

GEOPHONE ARRAY:
1 STRING OF 12 LRS
24.0 M BETWEEN GEOPHONES
24 HZ GEOPHONE FREQUENCY
0.6 DAMPING FACTOR

SOURCE:
NON-LINEAR VIBROSEIS:
SWEEP FREQUENCIES: 6 - 74 HZ
SWEEP LENGTH: 16.5
SLIPS: 6-8
BLOCK FREQUENCY: 8 HZ
VP OFFSET 12.5 M TOWARD ASCENDING STATION

SPREAD GEOMETRY:
DIRECTION SHOT: N ---------> S
STATION SPACING 25.0M SOURCE SPACING 25.0M

SPREAD DIAGRAM - VP 651

TRN	1	60	61	120
STN	590	649	654	713
	-1537.5M	- 62.5M	62.5M	1537.5M

PROCESSING SEQUENCE:
- DEMULTIPLEX
- GEOMETRY
- DERIVE REFRACTION STATICS
- DESPIKE
- ANTI-ALIAS FILTER
- RESAMPLE TO 4 MS
- EDIT BAD TRACES
- EXPONENTIAL GAIN CORRECTION
- KF FILTER
  VELOCITY LIMITS -1500, 1500 M/S
- DEABSORPTION
- DECONVOLUTION
  WHITE NOISE: 0.0100%
  DERIVE GATE 2: 400 TO 1500 MS
  DERIVE GATE 1: 400 TO 3000 MS
  FILTER LENGTH: 120 MS
- SORT TO CMP-XDIST
- VELOCITY ANALYSIS WITH RESPECT TO SURFACE
- COMPUTE SURFACE CONSISTENT STATICS
  REFERENCE METHOD
  DERIVE GATE: 500 - 1300 MS
  2 ITERATIONS
  MAXIMUM SHIFT 28, 20 MS
- MULTIPLES ATTENUATED
- COMPUTE SURFACE CONSISTENT STATICS
  REFERENCE METHOD
  DERIVE GATE: 500 - 1300 MS
  MAXIMUM SHIFT 20 MS
- NMO CORRECT AND APPLY STATICS
- APPLY ELEVATION CORRECTION
- APPLY MUTING
- TRACE BY TRACE RMS NORMALIZATION
  DERIVE WINDOW : 600 TO 1300 MS. LEVEL : 2000
- CMP STACK
- WAVE-EQUATION (KIRCHOFF) MIGRATION
- 100% STACKING VELOCITY
- RESAMPLE TO 1 MS
- WHITENING DECONVOLUTION
- FINAL DISPLAY FILTER
  15/3- 65/10 HZ

DISPLAY PARAMETERS:
HORIZONTAL SCALE 12 TR/IN
VERTICAL SCALE 7.50 IN/SEC

INTERPRETER: LEAVY
PROCESSOR: JONGERIUS
DATE: MAY-1989
QUALITY CONTROL: L. JOHNSON

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Telex: 053-3502 Cable: TERRA
PROJ. NO. 0220-SO-0E
LINE NO. A006600035
PART NO. 1 OF 2
R.R. 8X

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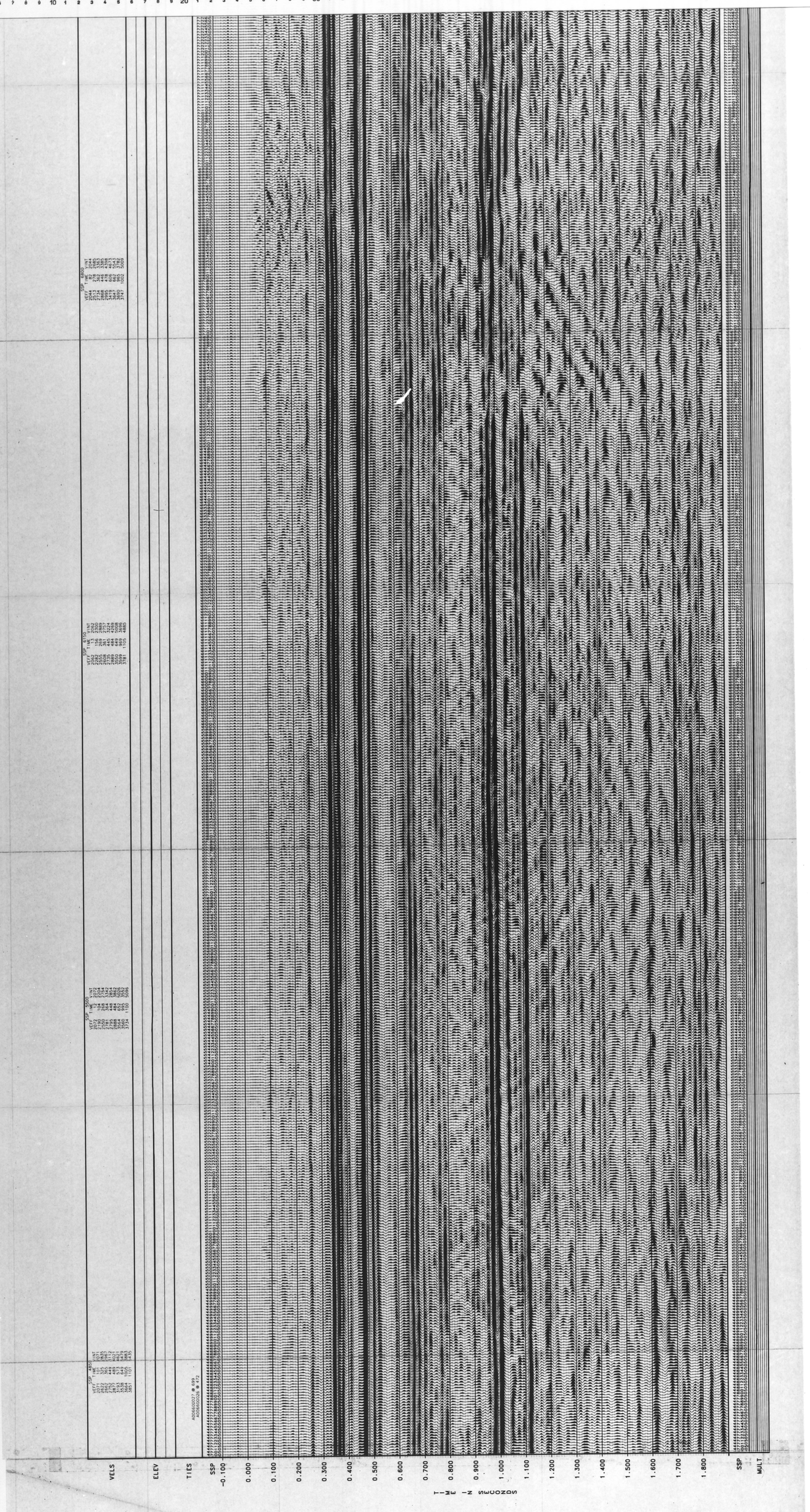
PROJ. NO. 0 2 2 9 - S 6 - 6 E

LINE NO. A 0 0 6 6 0 0 0 3 5

PART NO. 2 OF 2

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