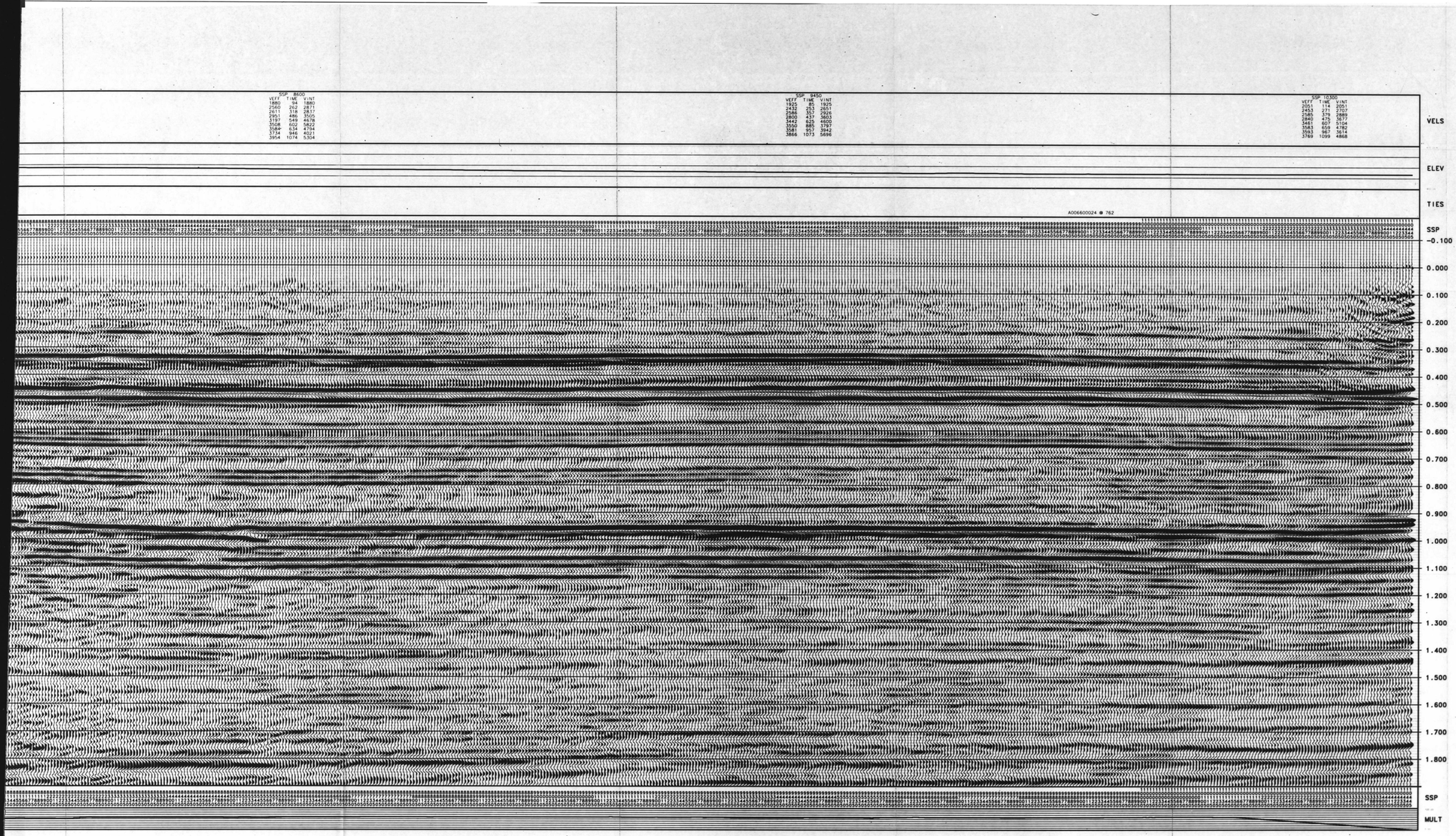

Canada Oil and Gas Lands Administration
Administration du pétrole et du gaz des terres du Canada
MAR 23 1991
Resource Evaluation Branch
Division de l'évaluation des ressources
Project #

9229-56-66

Shell Canada Limited

A006600025

MIGRATED STACK
NORMAL POLARITY

SP 411 TO 1046
W <----------> E

AREA: THINAHTEA

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

FIELD PARAMETERS:

RECORDING INSTRUMENT:
RECORDER: DFSV-#28
HIGH CUT FILTER: 180 HZ/72 DB/OCT
RECORD LENGTH: 3.0 SEC
DISC. INTERVAL: 2 MS
TAPE FORMAT: SEGB

GEOPHONE ARRAY:
1 STRING OF 12 LRS
2.20 M BETWEEN GEOPHONES
14 Hz NATURAL FREQUENCY
0.6 DAMPING FACTOR

SOURCE:
NON-LINEAR VIBROSEIS
SWEEP FREQUENCIES: 6 - 74 HZ
SWEEP LENGTH: 16 S
SUPPL. ENERGY: 6 dB/OCT
BEGIN FREQUENCY: 8 HZ
VP OFFSET 12.5 M TOWARD ASCENDING STATION

SPREAD GEOMETRY:
DIRECTION SHOT: W ----------> E
STATION SPACING 25.0M SOURCE SPACING 25.0M

SPREAD DIAGRAM - VP 731

```
TRN  1                 60   V   61              120
STN  670             729  P    734              793
     |                 |    |    |                |
     |-----------------|----|----|----------------|
     -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
  APPLY GATE 2: 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
  MAXIMUM SHIFT 28 MS
- MULTIPLES ATTENUATED
- COMPUTE SURFACE CONSISTENT STATICS
  REFERENCE METHOD
  DERIVE GATE: 500 - 1300 MS
  2 ITERATIONS
  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- 85/10 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

terra
2060 Walley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel: (613) 731-3671
Telex: 053-3502 Cable: TERRA
PROJ. NO. 0220-S0-0E
LINE NO. A006600025
PART NO. 1 OF 3
R.R. 8X

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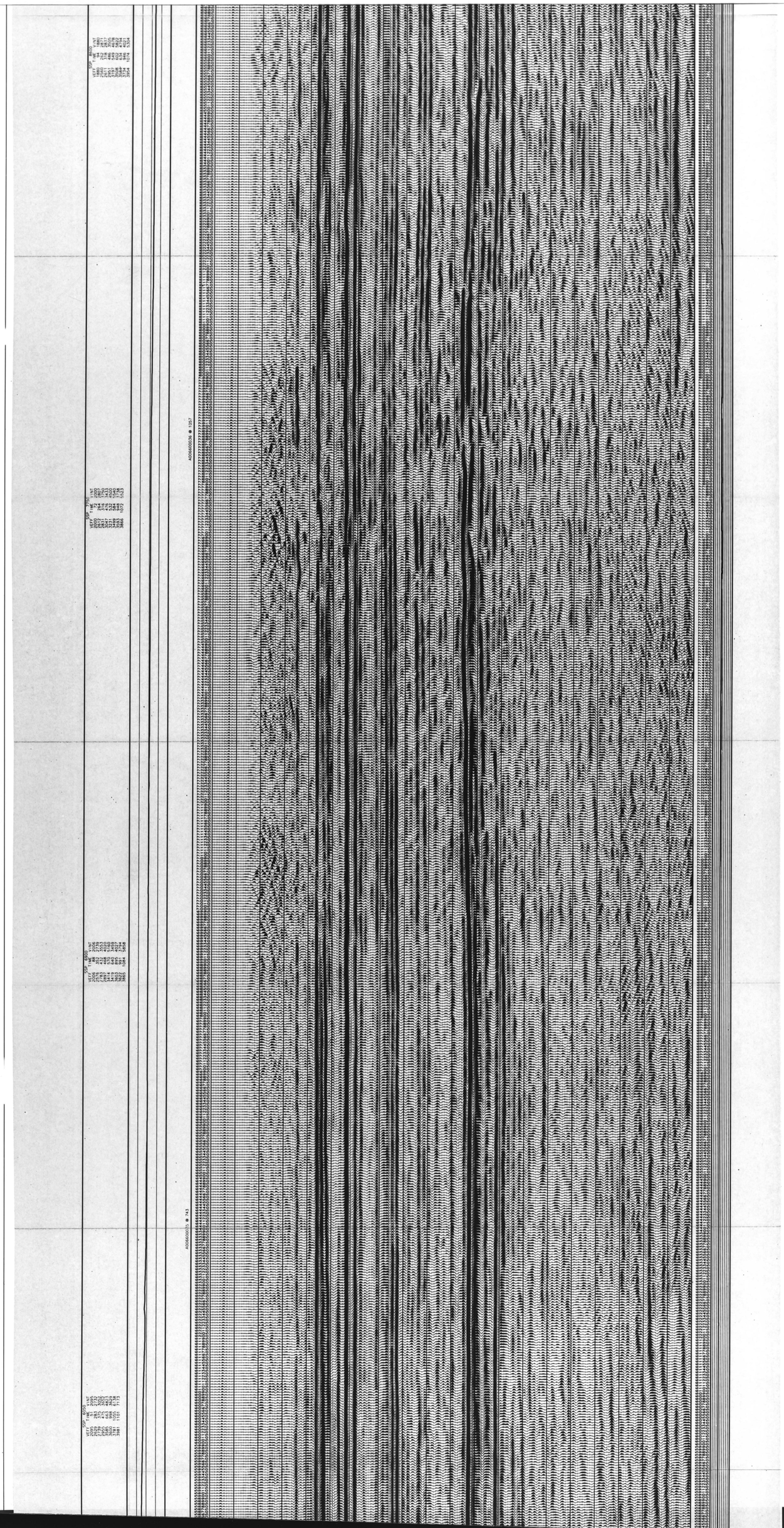
PROJ. NO. 0 2 2 0 - S 6 - 6 E LINE NO. A 0 0 6 6 0 0 0 2 5 PART NO. 2 OF 3 R.R. 8X



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PROJ. NO. 9220-S6-0E

LINE NO. A006600025

PART NO. 3 OF 3

R.R. 8X