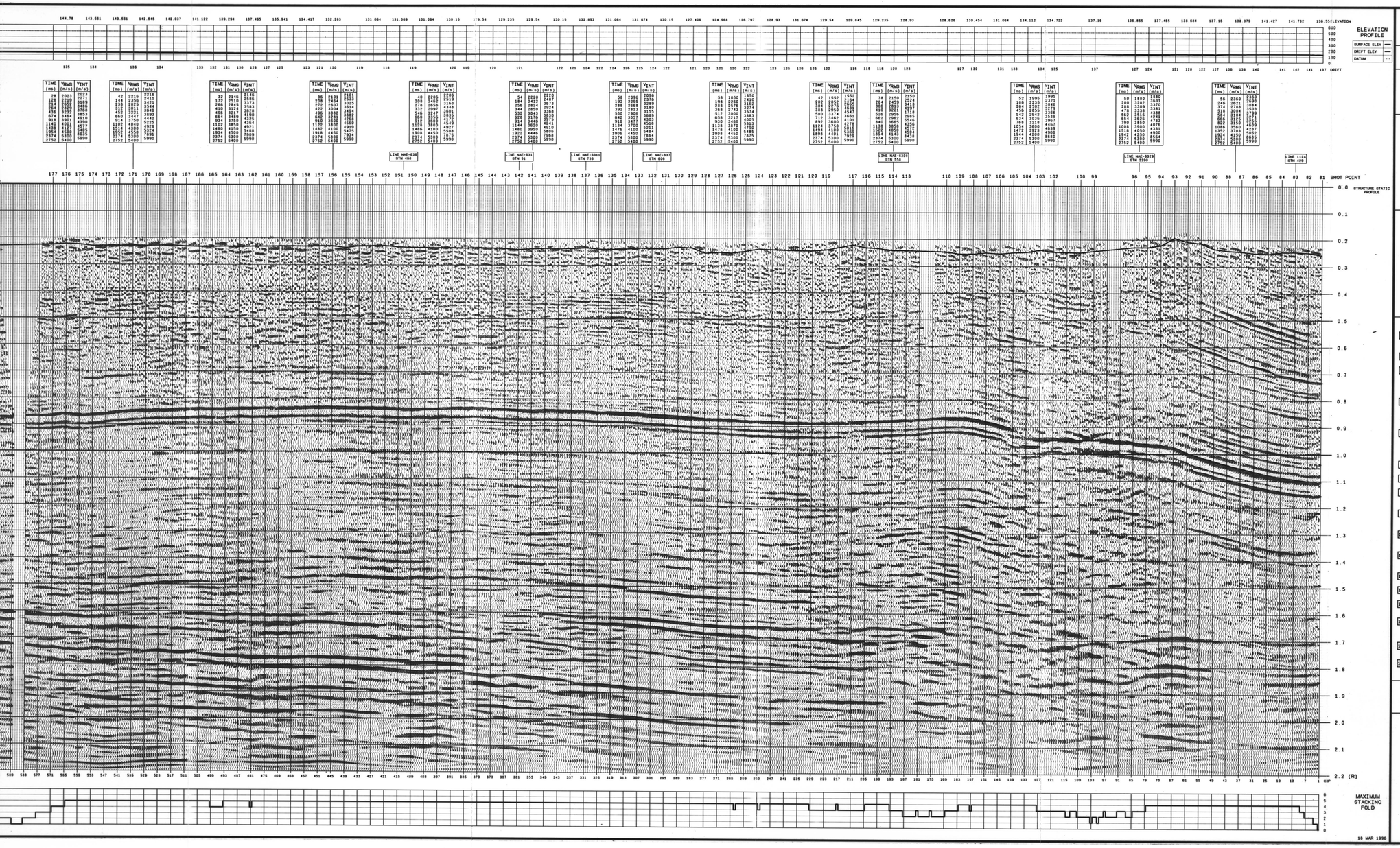
9227-R36-1DA 1



VERITAS SEISMIC

REVERSE POLARITY
NOISE ATTENUATED MIGRATED STACK

LINE : NAE-6302
AREA NAME : FT. NORMAN
STATIONS : SP 224 (NW) ... SP 81 (SE)
LOCATION : 96 D/16 96 C/13

PROCESSED FOR:

RANGER OIL

DATE PROCESSED : JANUARY 1996
DATE SHOT : DECEMBER 1968
SHOT BY : RAY GEOPHYSICAL LTD.
SHOT FOR : MOBIL OIL CANADA LTD.

FIELD PARAMETERS

SOURCE	TYPE	DYNAMITE
	LAYOUT	SINGLE HOLE
	SOURCE INTERVAL	450 FT
	GROUP INTERVAL	150 FT
	CHARGE SIZE/DEPTH	5 LB / 55 FT
SPREAD	COVERAGE	400%
	SPREAD TRACE	1 12 GIP 13 1.04
	DISTANCE	1800 150 0 150 1800 FT
RECEIVER	TYPE / FREQ	EVW-20 / 10
	LAYOUT	9 GEOPHONES OVER 150 FT
INSTRUMENT	MODEL	TI-10000
	FIELD FILTER	17 - 70 HZ
	TAPE FORMAT	21-TRACK
	RECORD LENGTH	2 SEC.
	SAMPLE RATE	2 MS

PROCESSING PARAMETERS

1. DEMULTIPLEX
   PROCESSED LENGTH: 2000 MS
   SAMPLE RATE : 2 MS
2. GEOMETRY - STRAIGHT LINE
3. MINIMUM-PHASE SURFACE CONSISTENT DECONVOLUTION
   OPERATOR LENGTH: 96 MS
   PREWHITENING : 0.1 %

DISTANCE	DESIGN GATE	APPL. GATE
45 7 M	150 - 1750 MS	0 - 2200 MS
548 4 M	450 - 1800 MS	0 - 2200 MS

4. ZERO-PHASE DECONVOLUTION
   OPERATOR LENGTH: 80 MS
   PREWHITENING : 1.0 %

DISTANCE	DESIGN GATE	APPL. GATE
45 7 M	150 - 1750 MS	0 - 2200 MS
548 4 M	450 - 1800 MS	0 - 2200 MS

5. STRUCTURE STATICS - 1 LAYER DRIFT COMPUTATION
   DATUM : 500 M ASL
   DATUM ELEVATION : 500 M ASL
   REPLACEMENT VELOCITY : 3048 M/S
   WEATHERING VELOCITY : 800 M/S
   PROCESSING DATUM : SURFACE
6. MANUAL TRACE EDITS
7. TRACE GATHER - MAXIMUM 4 FOLD
8. VELOCITY ANALYSIS - NORMAL MOVEOUT
   REFERENCE: SURFACE
   TYPE: VELANA INTERACTIVE SEMBLANCE
9. STATICS - AUTOMATIC SURFACE CONSISTENT
   WINDOW: 500 - 1800 MS FILTER: 10/18 - 58/85 HZ.
   MAX. STATIC: +/- 30 MS. NO. TRACES IN MODEL: 11
10. FIRST BREAK MUTES
    DISTANCE: 330 548.9 M
    TIME: 100 650 MS
11. STATICS - CDP TRIM
    WINDOW: 600 - 1800 MS FILTER: 10/15 - 70/95 HZ.
    MAX. STATIC: +/- 16 MS. NO. TRACES IN MODEL: 11
12. STRUCTURE STATICS - LONG WAVELENGTH
13. STACK - MAXIMUM 4 FOLD
14. MIGRATION - FINITE DIFFERENCE
    STACKING VELOCITY SCALING FACTOR = 100%
15. NOISE ATTENUATION (F-X DECONVOLUTION)
    FREQUENCY RANGE : 5 - 100 HZ
    DESIGN WINDOW : 0 - 2200 MS
    NOISE THRESHOLD : 0
16. FILTER - BANDPASS
    10/15 - 80/95 HZ APPL. GATE : 0 - 2200 MS
17. AMPLITUDE EQUALIZATION - MEAN SCALING
    WINDOWS: 200 - 400 / 300 - 500 / 400 - 800
    800 - 1000 / 1000 - 1900 MS

DISPLAY PARAMETERS

VERTICAL SCALE : 7.5 INCHES PER SECOND
HORIZONTAL SCALE : 16 TRACES PER INCH

[redacted]

18 MAR 1996

RANGER OIL LTD. LINE : NAE-6302 AREA NAME : FT. NORMAN

TRIATHLON PROJ. NO. 9227 R 36 1 D A

LINE NO. NAE-6302 PART NO. 1 OF 2 R.R. 8X