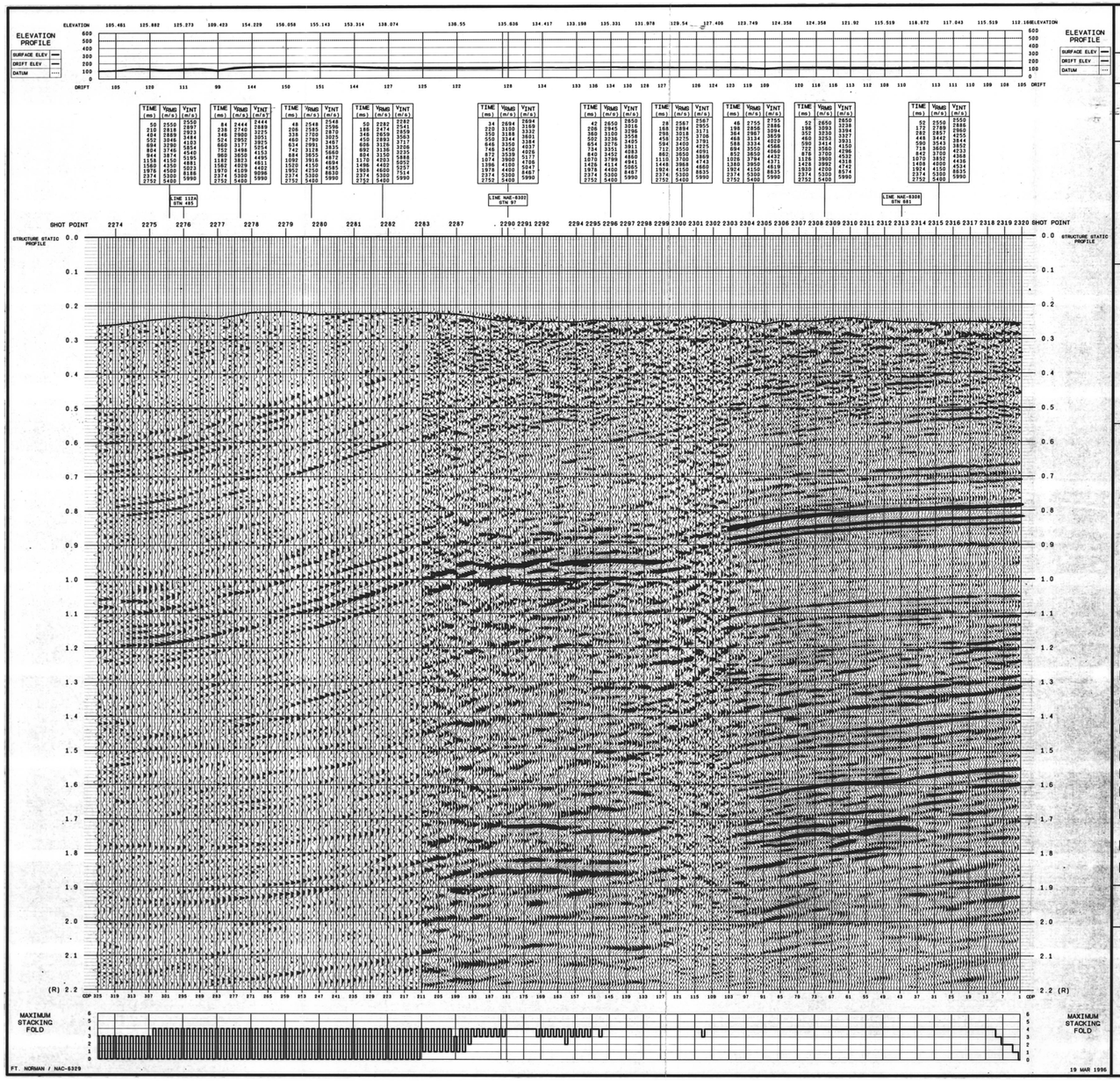
9227-R36-1DA



VERITAS SEISMIC

REVERSE POLARITY
NOISE ATTENUATED MIGRATED STACK

LINE : NAC-6329
AREA NAME : FT. NORMAN
STATIONS : SP 2266 (S) ... SP 2320 (N)
LOCATION : 96 C/12 96 C/13

PROCESSED FOR:

RANGER OIL

DATE PROCESSED : JANUARY 1996
DATE SHOT : DECEMBER 1966
SHOT BY : RAY GEOPHYSICAL LTD.
SHOT FOR : MOBIL OIL CANADA LTD.

FIELD PARAMETERS

SOURCE
- TYPE: DYNAMITE
- LAYOUT: THREE HOLES
- SOURCE INTERVAL: 880 FT
- GROUP INTERVAL: 300 FT
- CHARGE SIZE/DEPTH: 3 X 1.15 KG / 16.8 M

SPREAD
- COVERAGE: 400%
- SPREAD TRACE: 1 12 SIP 13 24
- DISTANCE: 3600 300 S 300 3600 FT

RECEIVER
- TYPE / FREQ: EVS-20
- LAYOUT: 9 GEOPHONES OVER 48.8 M

INSTRUMENT
- MODEL: TI-10,800
- FIELD FILTER: 17 - 70 HZ
- TAPE FORMAT: SEG-A
- RECORD LENGTH: 2 SEC
- SAMPLE RATE: 2 MS

PLEASE NOTE THAT THE STATION INTERVAL FOR SP'S 2320 TO 2287 IS 150 FT

PROCESSING PARAMETERS

1. DEMULTIPLEX
   PROCESSED LENGTH: 2200 MS
   SAMPLE RATE: 2 MS
2. GEOMETRY - STRAIGHT LINE
3. MINIMUM-PHASE SURFACE CONSISTENT DECONVOLUTION
   OPERATOR LENGTH: 80 MS
   PREWHITENING: 0.1 %
   DISTANCE: DESIGN GATE: APPL. GATE
   91.4 M: 200 - 1750 MS: 0 - 2200 MS
   1997.2 M: 800 - 1800 MS: 0 - 2200 MS
4. ZERO-PHASE DECONVOLUTION
   OPERATOR LENGTH: 80 MS
   PREWHITENING: 1.0 %
   DISTANCE: DESIGN GATE: APPL. GATE
   91.4 M: 200 - 1750 MS: 0 - 2200 MS
   1997.2 M: 800 - 1800 MS: 0 - 2200 MS
5. STRUCTURE STATICS - 1 LAYER DRIFT COMPUTATION
   DATUM: 550 M ASL
   DATUM ELEVATION: 550 M ASL
   REPLACEMENT VELOCITY: 3048 M/S
   WEATHERING VELOCITY: 985 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: 400 - 1950 MS: FILTER: 10/18 - 80/90 HZ
   MAX. STATIC: +/- 50 MS: NO. TRACES IN MODEL: 11
10. FIRST BREAK MUTES
    DISTANCE: 455 1098.6 M
    TIME: 200 500 MS
11. STATICS - CDP TRIM
    WINDOW: 400 - 2000 MS: FILTER: 10/15 - 70/90 HZ
    MAX. STATIC: +/- 15 MS: NO. TRACES IN MODEL: 13
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 - 2000 MS
    NOISE THRESHOLD: 0
16. FILTER - BANDPASS
    10/15 - 80/90 HZ: APPL. GATE: 0 - 2000 MS
17. AMPLITUDE EQUALIZATION - MEAN SCALING
    WINDOW: 200 - 400 / 200 - 500 / 400 - 800 / 800 - 1500 / 1000 - 1500 MS

DISPLAY PARAMETERS

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

[redacted]

19 MAR 1996

RANGER OIL LTD. — LINE : NAC-6329 — AREA NAME : FT. NORMAN

TRIATHLON — PROJ. NO. 9227 R 36 1 D A — LINE NO. NAC - 63-29 — PART NO. 1 OF 1 — R.R. 8X