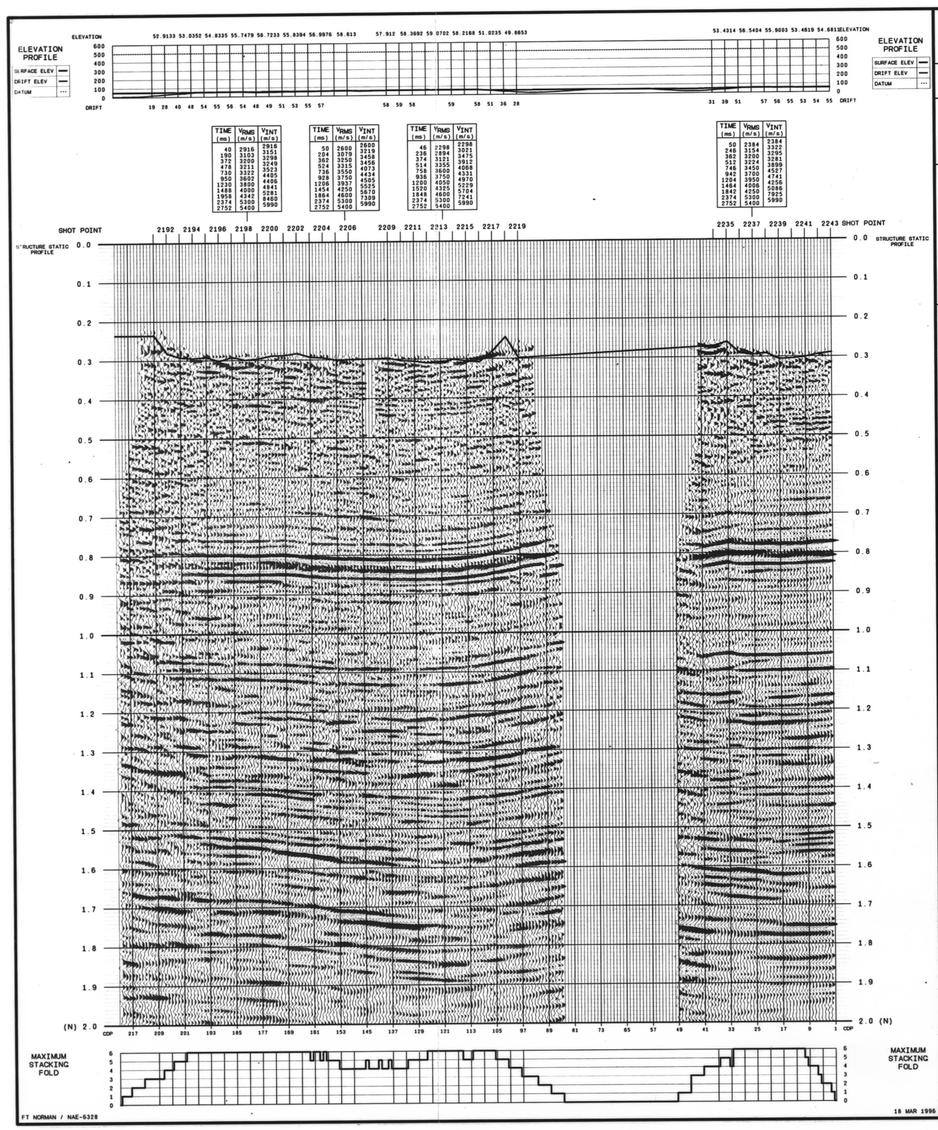
9227-R36-1DA



VERITAS SEISMIC

NORMAL POLARITY
NOISE ATTENUATED MIGRATED STACK

LINE : NAE-6328
AREA NAME : FT NORMAN
STATIONS : SP 2192 (NW) ... SP 2242 (SE)
LOCATION : 96 D/16 96 C/13

PROCESSED FOR:

RANGER OIL

DATE PROCESSED : FEBRUARY 1996
DATE SHOT : FEBRUARY 1969
SHOT BY : MOBIL OIL CANADA LTD.
SHOT FOR : MOBIL OIL CANADA LTD.

FIELD PARAMETERS

SOURCE
- TYPE: DYNAMITE
- LAYOUT: THREE HOLES OVER 100 FT
- SOURCE INTERVAL: 450 FT
- GROUP INTERVAL: 150 FT
- CHARGE SIZE/DEPTH: 3 X 2.5 LBS / 50 FT

SPREAD
- COVERAGE: 400%
- SPREAD TRACE: 1 12 SIP 13 24
- DISTANCE: 1800 150 150 1800 FT

RECEIVER
- TYPE / FREQ: L1
- LAYOUT: 18 GEOPHONES OVER 170 FT

INSTRUMENT
- MODEL: TI-10000
- FIELD FILTER: 17 - 70 HZ
- TAPE FORMAT: N/A
- RECORD LENGTH: 4 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: 80 MS
   PREWHITENING: 0.1 %

DISTANCE	DESIGN GATE	APPL. GATE
1 - 548.4 M	150 - 1750 MS	0 - 2000 MS
548.4 M	500 - 1800 MS	0 - 2000 MS

4. ZERO-PHASE DECONVOLUTION
   OPERATOR LENGTH: 80 MS
   PREWHITENING: 0.1 %

DISTANCE	DESIGN GATE	APPL. GATE
1 - 45.7 M	150 - 1750 MS	0 - 2000 MS
548.4 M	500 - 1800 MS	0 - 2000 MS

5. STRUCTURE STATICS - 1 LAYER DRIFT COMPUTATION .
   SHORT WAVELENGTH
   DATUM ELEVATION: 500 M ASL
   REPLACEMENT VELOCITY: 3645 M/S
   WEATHERING VELOCITY: 950 M/S
   PROCESSING DATUM: SURFACE
6. MANUAL TRACE EDITS
7. TRACE GATHER - MAXIMUM 6 FOLD
8. VELOCITY ANALYSIS - NORMAL MOVEOUT
   REFERENCE: SURFACE
   TYPE: HELMAN INTERACTIVE SEMBLANCE
9. STATICS - AUTOMATIC SURFACE CONSISTENT
   WINDOW: 400 - 1900 MS FILTER: 12/18 - 50/65 HZ
   MAX. STATIC: +/- 30 MS NO. TRACES IN MODEL: 11
10. FIRST BREAK MUTES
    DISTANCE: 290 549.4 M
    TIME: 200 500 MS
11. STATICS - CDP TRIM
    WINDOW: 400 - 2000 MS FILTER: 10/15 - 70/90 HZ
    MAX. STATIC: +/- 16 MS. NO. TRACES IN MODEL: 11
12. STRUCTURE STATICS - LONG WAVELENGTH
13. STACK - MAXIMUM 6 FOLD
14. MIGRATION - FINITE DIFFERENCE
    STACKING VELOCITY SCALING FACTOR = 100%
15. NOISE ATTENUATION (F-X DECONVOLUTION)
    FREQUENCY RANGE: 0 - 100 HZ
    DESIGN WINDOW: 0 - 2000 MS
    NOISE THRESHOLD: 0
16. FILTER - BANDPASS
    10/15 - 80/95 HZ APPL. GATE 0 - 2000 MS
17. AMPLITUDE EQUALIZATION - MEAN SCALING
    WINDOWS: 300 - 500 / 450 - 600 / 600 - 1800 / 1800 - 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-6328 AREA NAME : FT NORMAN

TRIATHLON PROJ. NO. 9227 R 36 1 D A

LINE NO. NAE - 63-28 PART NO. 1 OF 1 R.R. 8X