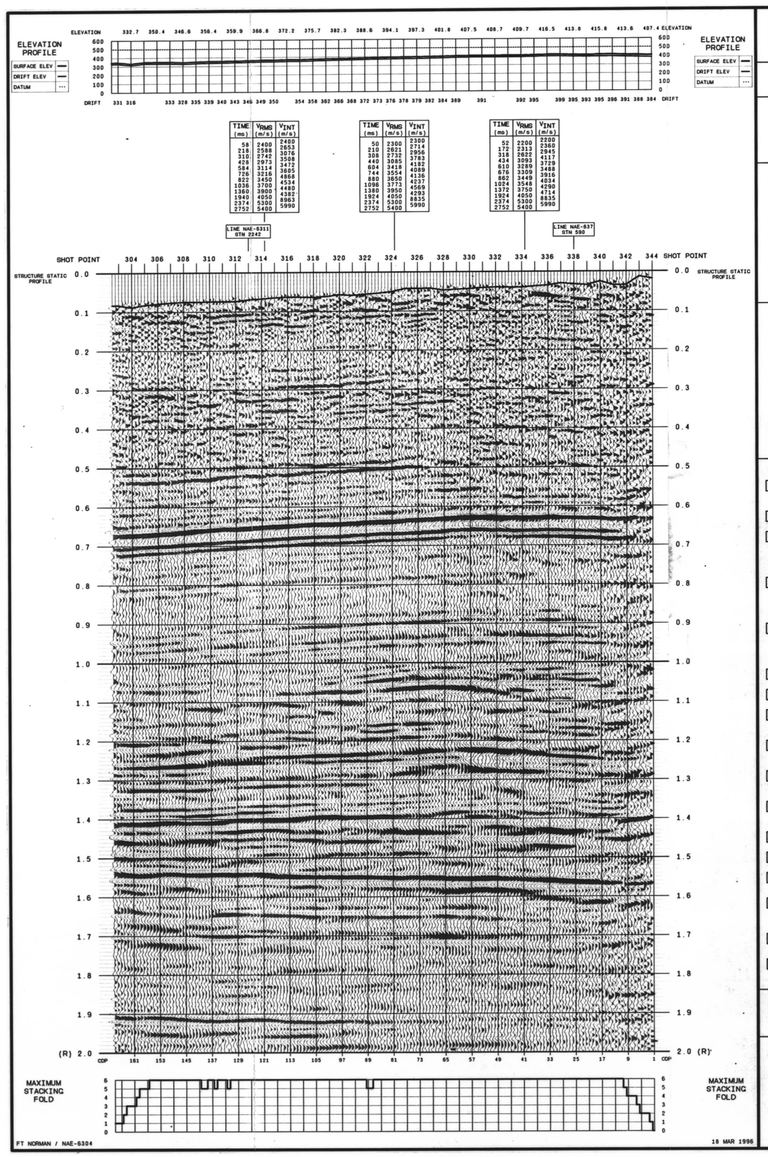
9227-R36-1DA



TIME (ms)	V_{RMS} (m/s)	V_{INT} (m/s)
50	2400	2400
210	2621	2653
318	2742	3076
429	2973	3508
584	3114	3695
726	3216	3695
875	3300	4068
1038	3700	4534
1360	3860	4480
1940	4050	4387
2374	5300	5990
2752	5400	

TIME (ms)	V_{RMS} (m/s)	V_{INT} (m/s)
50	2300	2300
210	2621	2714
308	2732	2956
440	3085	3382
604	3419	4089
744	3654	4136
875	3773	4237
1098	3773	4569
1380	3950	4387
1924	4050	4835
2374	5300	5990
2752	5400	

TIME (ms)	V_{RMS} (m/s)	V_{INT} (m/s)
50	2200	2200
172	2313	2360
318	2623	2917
434	3093	3729
610	3280	3488
875	3300	3816
902	3448	4034
1024	3549	4290
1372	3750	4387
1924	4050	4835
2374	5300	5990
2752	5400	

VERITAS SEISMIC

REVERSE POLARITY
NOISE ATTENUATED MIGRATED STACK

LINE : NAE-6304
AREA NAME : FT NORMAN
STATIONS : SP 302 (SW) ... SP 344 (NE)
LOCATION : 96 D/16 96 D/16

PROCESSED FOR:

RANGER OIL

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

FIELD PARAMETERS

SOURCE
- TYPE: DYNAMITE
- LAYOUT: 2 HOLES OVER 300 FT
- SOURCE INTERVAL: 300 FT
- GROUP INTERVAL: 150 FT
- CHARGE SIZE/DEPTH: 2 X 2.5 LBS / 50 FT

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

RECEIVER
- TYPE / FREQ: LI
- LAYOUT: 9 GEOPHONES OVER 180 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
45.7 M	150 - 1750 MS	0 - 2000 MS
548.4 M	300 - 1800 MS	0 - 2000 MS

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

DISTANCE	DESIGN GATE	APPL. GATE
45.7 M	150 - 1750 MS	0 - 2000 MS
548.4 M	300 - 1800 MS*	0 - 2000 MS

5. STRUCTURE STATICS - 1 LAYER DRIFT COMPUTATION
   SHORT WAVELENGTH
   DATUM ELEVATION: 500 M ASL
   REPLACEMENT VELOCITY: 3048 M/S
   WEATHERING VELOCITY: 1828 M/S
   PROCESSING DATUM: SURFACE
6. MANUAL TRACE EDITS
7. TRACE GATHER - MAXIMUM 6 FOLD
8. VELOCITY ANALYSIS - NORMAL MOVEOUT
   REFERENCE: SURFACE
   TYPE: VELANA INTERACTIVE SEMBLANCE
9. STATICS - AUTOMATIC SURFACE CONSISTENT
   WINDOW: 250 - 1800 MS FILTER: 10/18 - 50/65 HZ
   MAX. STATIC: +/- 30 MS. NO. TRACES IN MODEL: 11
10. FIRST BREAK MUTES
    DISTANCE: 230 548.4 M
    TIME: 180 825 MS
11. STATICS - CDP TRIM
    WINDOW: 250 - 1800 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
    10/25 - 80/95 HZ APPL. GATE : 0 - 2000 MS
17. AMPLITUDE EQUALIZATION - MEAN SCALING
    WINDOWS: 0 - 200 / 100 - 300 / 200 - 400
    300 - 500 / 400 - 600 / 600 - 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-6304 AREA NAME : FT NORMAN

TRIATHLON PROJ. NO. 9227 R 36 1 D A LINE NO. NAE-6304 PART NO. 1 OF 1 R.R. 8X