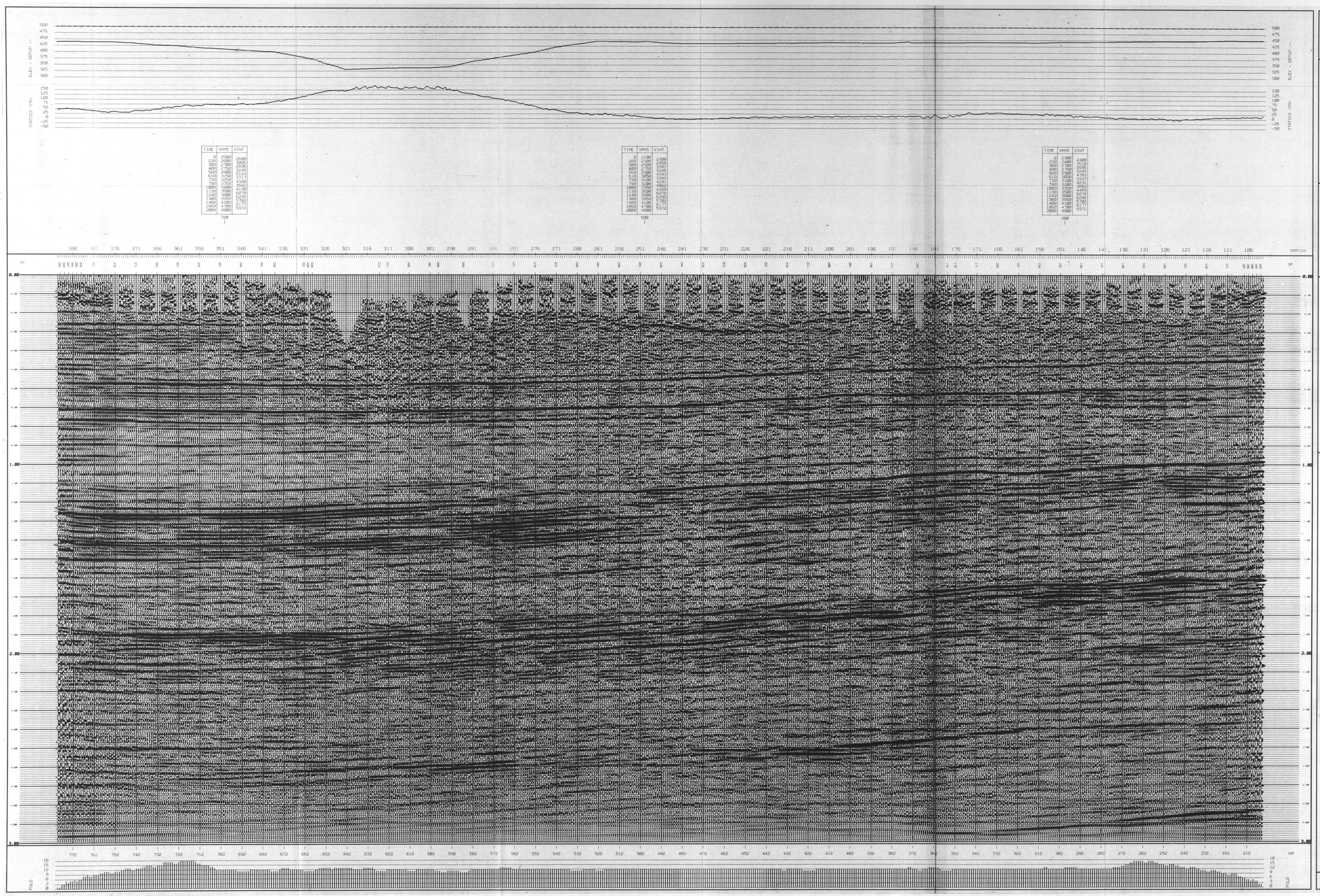

TIME	VRMS	VINT
0	2500	2500
200	2600	3005
300	2700	3595
400	2750	3245
500	2900	4193
610	3150	5165
730	3250	3717
750	3350	4388
1000	3400	4140
1130	3500	6870
1240	3600	6205
1300	3750	5760
1400	4100	6177
1800	4700	5972
2000	4800	

TIME	VRMS	VINT
0	2100	2300
200	2300	5858
300	2500	3391
400	2750	3245
500	2900	4193
610	3050	3341
730	3100	4231
750	3300	3862
1000	3350	4489
1130	3500	6079
1240	3600	6205
1300	3750	5760
1400	4100	6177
1800	4700	5972
2000	4800	

TIME	VRMS	VINT
0	2300	2480
200	2400	5610
300	2700	3595
400	2750	3245
500	2900	4193
610	3100	3341
730	3100	4231
750	3300	3862
1000	3350	4489
1130	3500	6079
1240	3600	6205
1300	3750	5760
1400	4100	6177
1800	4700	5972
2000	4800	

NORTHEAST

9229-M3-2E

MAR 24 1992 CALGARY

Mobil

MOBIL OIL CANADA LTD.

PROCESSING DATE - APRIL 1991
CALGARY, ALBERTA

AREA : SPEAR NO. 1
LINE : 91-1350
S.P. : 390 - 101
DIR. : S.W. - N.E.
NTS GRID : 94 O 14/10. 95 B 1. 2

POLARITY : REVERSE

RELATIVE AMPLITUDE
MIGRATED STACK

FIELD PARAMETERS

SHOT FOR: MOBIL OIL CANADA
SHOT BY: PIONEER EXPLORATION INC.

DATE
MARCH 1991

SPREAD
DIRECTION SHOT S.W. -> N.E.
FOLD 1200%
STATION INT. 100 M
SHOTPOINT INT. 100 M
OFFSET (M) 60 60 - 120
DIST. (M) 1550 - 95 X 16 - 1560

RECEIVER
MAKE/TYPE SSC 20D, 14 HZ, 70% DAMPING
NUMBER PER GROUP 6
SPACING 2 M INLINE

SOURCE
TYPE VIBROSEIS
MODEL IVI 20000
ARRAY 4 AT 12 M
PERIOD 4 SWEEPS/STAKE
SWEEP FREQUENCY 8-64 HZ (10-64 HZ BOOST)
SWEEP LENGTH 12 SEC

INSTRUMENTS
MAKE/MODEL DFS V/FFCS
RECORD LENGTH 4 SEC
SAMPLE RATE 2 MS
NOTCH OUT
FIELD FILTER OUT-128

PROCESSING PARAMETERS

1. SEG-B FORMAT CONVERSION
   SAMPLE RATE 2 MS
   RECORD LENGTH 4000 MS
2. GEOMETRY
   STRAIGHT LINE GEOMETRY
3. AMPLITUDE RECOVERY
   TYPE: SPHERICAL DIVERGENCE
4. EDITING
5. DECONVOLUTION
   TYPE: SURFACE CONSISTENT SPIKING
   PREWHITENING: 0.1%
   OPERATOR LENGTH: 400 MS
   APPLICATION WINDOW: 0 - 3000 MS
   WINDOW OPTIMIZATION: 75 MS: 1000 - 3000 MS
   OPTIMIZE: 150 MS: 1000 - 3000 MS
   SPECTRAL BALANCE: 8 - 60 HZ
6. PHASE COMPENSATION
   VIBROSEIS PHASE CORRECTION FOR SPIKING DECONVOLUTION
   COMPLETE GEOPHONE CORRECTION FOR SPIKING DECONVOLUTION
7. WEATHERING & DATUM CORRECTIONS
   ALL SHOTS INTERPRETED
   REPLACEMENT VELOCITY: 2800 M/SEC
   WEATHERING VELOCITY: 1800 M/SEC
   DATUM: 500 M
8. CDP GATHERS
   FOLD: 1200%
9. VELOCITY ANALYSIS
   TYPE: CONSTANT VELOCITY COMMON OFFSET STACK
10. NMO APPLICATION
    REFERENCED FROM DATUM
11. SURFACE CONSISTENT STATICS
    WINDOW: 1000 - 2300 MS
    MAXIMUM STATICS: 20 MS
12. RE-ITERATION OF STEPS 9.10.11
13. TRIM STATICS
    WINDOW: 700 - 2400 MS
    MODEL TRACES: 8 TRACES
    MAXIMUM STATICS: 11 MS
14. TRACE MUTING
    OFFSET (M): 205 210 1000 1500
    TIME (MS): 0 150 1000 1300
15. CDP STACK
    STACKING FOLD: 1200%
16. MIGRATION
    TYPE: FINITE DIFFERENCE
    VELOCITIES: 100% OF STACKING
17. FILTER APPLICATION
    TYPE: BANDPASS DOMAIN: FREQUENCY
    PASSBAND: 8/12 - 65/75 APPLICATION: 0 - 2500 MS
18. TRACE EQUALIZATION
    WINDOWS: 0 - 200 MS: 100 - 300 MS: 200 - 400 MS:
    400 - 600 MS: 400 - 600 MS: 600 - 1500 MS:
    1500 - 2500 MS:
19. FILM DISPLAY
    VERTICAL SCALE: 7.5 INCHES/SEC
    HORIZONTAL SCALE: 12 TRACES/INCH
    1 INCH = 150 M

PROCESSED BY: J.G.H. ENTERPRISES LTD.
GEOPHYSICIST: W. A. KIRCHNER

91-1994-15

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Fax: (613) 731-0453

PROJ. NO. 9229-M3-2E

LINE NO. 91-1350

PART NO. 1 OF 1

R.R. 10X