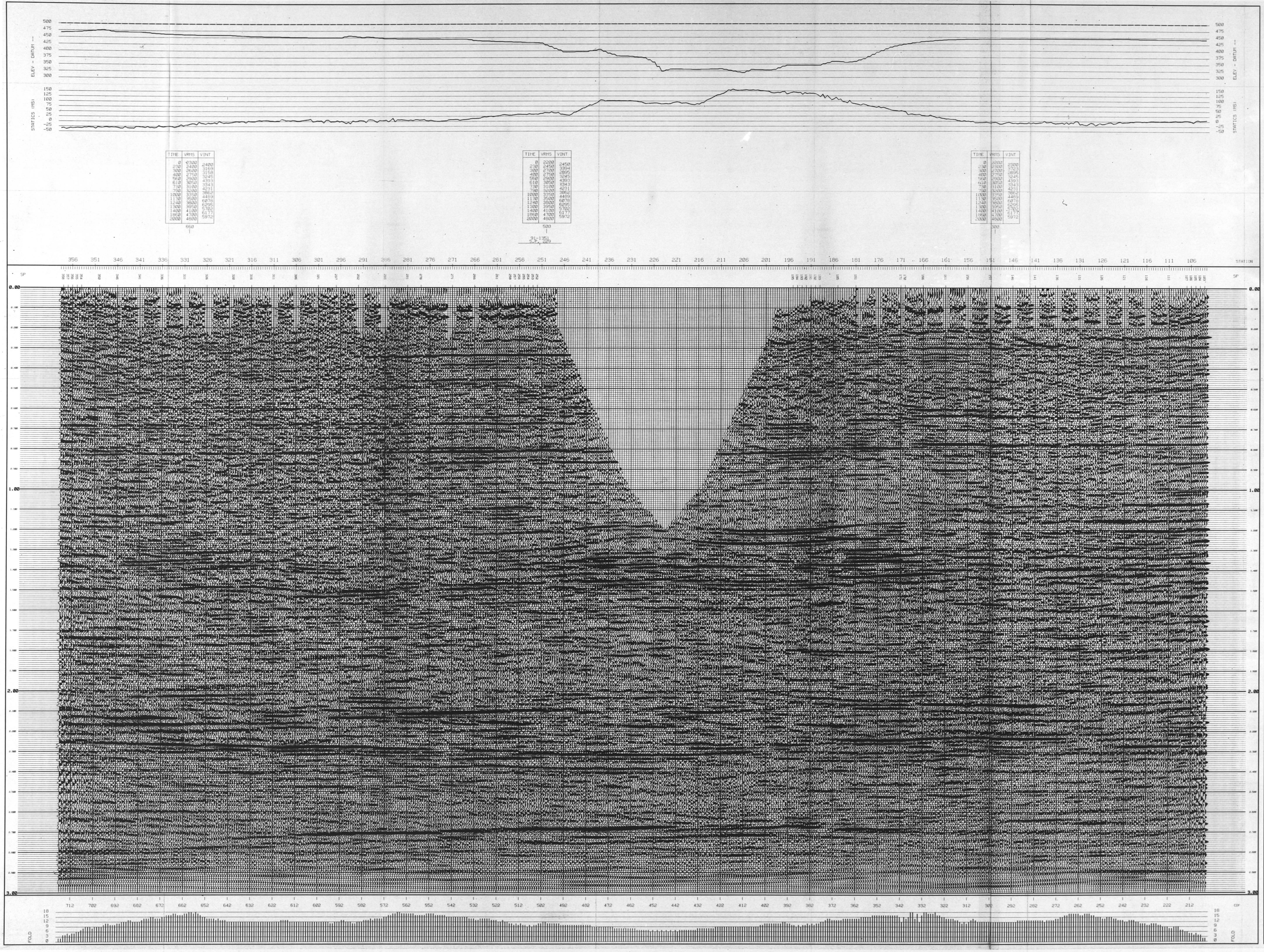

NORTH

CALGARY

9229-M3-2E MAR 24 1992

MOBIL OIL CANADA LTD.

PROCESSING DATE - APRIL 1991
CALGARY, ALBERTA

AREA : SPEAR NO. 1
LINE : 91-1348
S.P. : 101 - 360
DIR. : N. - S.
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 N. -> S.
FOLD 1200%
STATION INT. 25 M
SHOT PT. INT. 125 M
SPREAD: (TR) 1 60 60 120
DIST: (M) 1550 - 75 X - 75 - 1550

RECEIVER

MAKE/TYPE GSC 20D. 14 HZ. 70 % DAMPING
NUMBER PER GROUP 18
SPACING 2 M INLINE

SOURCE

TYPE VIBROSEIS
MODEL IVT 2700
ARRAY 4 AT 12 M
MOVEUPS 3.0 M 11 TIMES
SWEEP FREQUENCY 8-80 HZ(7DB\OCT BOOST)
SWEEP LENGTH 12 SEC.

INSTRUMENTS

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

PROCESSING PARAMETERS

91-1994-5

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: 80 MS
APPLICATION WINDOW: 0 - 3000 MS
WINDOW (OFFSET - 75 M): 600 - 1800 MS
(OFFSET - 1550 M): 1200 - 2000 MS
SPECTRAL BALANCE: 8 - 80 HZ

6. PHASE COMPENSATION

VIBROSEIS PHASE CORRECTION FOR SPIKING DECONVOLUTION
COMPLETE GEOPHONE CORRECTION FOR SPIKING DECONVOLUTION

7. WEATHERING & DATUM CORRECTIONS

ALL SHOTS INTERPRETTED
REPLACEMENT VELOCITY: 2000 M/SEC
WEATHERING VELOCITY: 800 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 TRACE: 8 TRACES
MAXIMUM STATICS: 11 MS

14. TRACE MUTING

OFFSET (M)	205	210	1000	1550
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.
300 - 500 MS. 400 - 600 MS. 500 - 1500 MS.
1500 - 2800 MS

19. FILM DISPLAY

VERTICAL SCALE: 7.5 INCHES/SEC
HORIZONTAL SCALE: 12 TRACES/INCH

1 INCH = 150 M

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

PROJ. NO. 9229-M3-2E

LINE NO. 91-1348

PART NO. 1 OF 1

R.R. 10X