

BURMAH OIL EXPLORATION LTD.

LINE: B-85-27.27/2
SHOTPOINTS: 1-300,301-720
AREA: OFFSHORE SICILY BLOCK CR112
TITLE: 4800% MIGRATED STACK
DIRECTION: SSW. <

ENSIGN GEOPHYSICS LTD.

ACQUISITION

COMPANY: COMPAGNIE GENERALE DE GEOPHYSIQUE, MARSY, FRANCE.
DATE: DECEMBER 1986
VESSEL: M.V. LUCIEN BEAUFORT
NAVIGATION: PRIMARY: SYLÉDIS SECONDARY: SAT.NAV.
SOURCE: TYPE: STARJET
GUN DEPTH: 5 M
NEAR TRAIL OFFSET: 125.5 M
SHOT INTERVAL: 25 M
RECORDING: SYSTEM: SN-358
FORMER: SEG-B 1800 RPT
FILTERS: LOW CUT: 0.1 Hz
HIGH CUT: 154.7 Hz (DB/OCT)
DATA LENGTH: 2.5 S
SAMPLE RATE: 2 MS
CABLE: LENGTH: 2400 M
NEL. GROUPS: 25
GROUP INTERVAL: 11 M

PROCESSING

COMPANY: ENSIGN GEOPHYSICS LTD., ADLESTONE
DATE: FEBRUARY 1987
CONTRACT NO.: 151
PROCESSED DATA LENGTH: 4.8 S
1. DEMULTIPLEX
2. DESIGNATURE: INPUT: RECORDED NEAR FIELD SIGNATURE
DESIRED OUTPUT: MINIMUM PHASE EQUIVALENT
3. RESAMPLE FROM 2 MS TO 4 MS
ANTI-ALIAS FILTER: 90/120 Hz (DB/OCT)
4. DECONVOLUTION BEFORE STACK: TYPE: MIN. PHASE LEAST SQUARES INVERSE
PRE-DECONVOLUTION SCALING: EXPONENTIAL
DESIGN WINDOW: NEAR TRACE: 2500-3000 MS
FAR TRACE: 2500-3000 MS
MAX. PREDICTION LAG: 200 MS
MIN. PREDICTION LAG: 4 MS
POST-DECONVOLUTION SCALING: INVERSE EXPONENTIAL
5. NMO CORRECTION: VELOCITY DERIVATION: CONToured SPECTRA
6. MUTE: OUTSIDE TRACE OFFSET DEPENDENT
7. STACK: TYPE: STANDARD MEAN AMPLITUDE COP
COVERAGE: 4800%
GEOMETRICAL DIVERGENCE COMPENSATION
8. * STATIC CORRECTIONS: GUN AND CABLE DELAY: -11 MS
9. F-K COHERENT NOISE ATTENUATION: PASSBAND: -4.5 TO +4.5 MS DIP PER TRACE
PERCENTAGE FEEDBACKS: 25
10. DECONVOLUTION AFTER STACK: TYPE: MIN. PHASE LEAST SQUARES INVERSE
AUTOCORRELATION WINDOW: 200-2500 MS
MAX. PREDICTION LAG: 200 MS
MIN. PREDICTION LAG: 32 MS
11. AMPLITUDE BALANCE: TYPE: STABLE RSC - 400 MS WINDOW
12. WAVE EQUATION MIGRATION: FINITE DEPTH SOLUTION: 24 MS DEPTH STEP
PRE-MIGRATION FILTER: LOW: 6.24 Hz (DB/OCT)
HIGH: 105.136 Hz (DB/OCT)
VELOCITY DERIVATION: 100% SMOOTHED RMS VELOCITIES
13. SPACE TIME VARIANT FILTER: TYPE: LOW CUT
TIME: 0-300 MS
VELOCITY: 18(24) Hz (DB/OCT)
1700-3000 MS
8(24) Hz (DB/OCT)
2500-4000 MS
7(24) Hz (DB/OCT)
CUTS AND SLOPES SPECIFIED AT -300 POINT
LINEAR INTERPOLATION OF FILTERS IN TIME AND SPACE
14. AMPLITUDE BALANCE: A) RESIDUAL AMPLITUDE DECAY COMPENSATION
B) ITERATED STABLE RSC - 400 MS WINDOW

DISPLAY

SYSTEM: SCITEX LASER PLOTTER
VERTICAL SCALE: 10 CM/SEC
HORIZONTAL SCALE: 1:25000
POLARITY: COMPRESSION: NEGATIVE: TROUGH
DATUM PLANE: SEA LEVEL
SHOTPOINT LOCATION: CDP POSITION

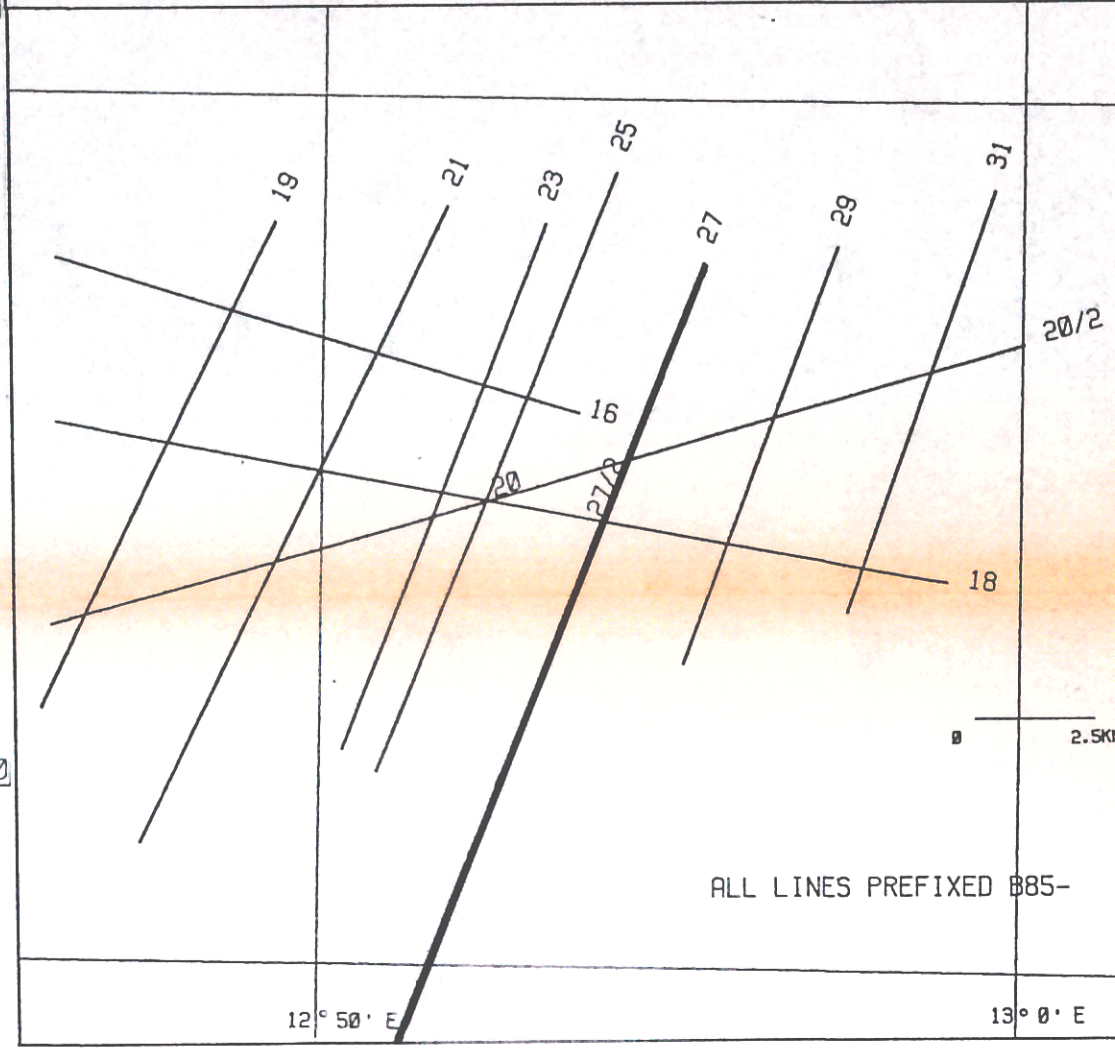


Table with columns: TIME, VRMS, VINT. Multiple columns of data points corresponding to shotpoint locations.

