Evans Geophysical

FIELD PARAMETERS

RECORDED BY:	Precession Geophysical, Inc.
SOURCE:	VIBROSEIS P Wave Refection 2-D
SWEEP:	10-130 Hz 8 SEC. SWEEP
SOURCE INTERVAL:	220 FT.
RECEIVER ARRAY:	6 PHONES OVER 80 FT CENTERED ON STATION
RECIEVER INTERVAL:	110 FT.
STANDARD SPREAD:	SPLIT 19965-275-X-275-19965 FT
RECORDING INSTRUMENTS:	ARAM (24 bit) Data Acquisition systems
NEAR OFFSET:	0 ft
FAR OFFSET:	19800 ft
FORMAT:	SEGY
NUMBER OF CHANNELS:	360
SAMPLE INTERVAL:	2 MS
RECORD LENGTH:	6000 MS
RECORDING FILTER:	3-125 Hz
NOTCH FILTER:	OUT
NOMINAL FOLD:	90

PROCESSING SEQUENCE

STERLING SEISMIC SERVICES, Ltd.
SEGD TO INTERNAL FORMAT CONVERSION
GEOMETRY AND TRACE EDIT
      CROOKED LINE BINNING
GAIN RECOVERY
SURFACE CONSISTENT AMPLITUDE ANALYSIS AND RECOVERY
SURFACE CONSISTENT DECONVOLUTION
      TYPE: SPIKING   OPERATOR: 160 MS NOISE: 0.1%
SPECTRAL ENHANCEMENT (10-120 Hz)
GREEN MOUNTAIN REFRACTION STATICS
      DATUM: 1600 FT
      VELOCITY: 12000 FT/SEC   Vo: 5000 FT/SEC
COMMON DEPTH POINT GATHER
PASS 1 VELOCITY/MUTE ANALYSIS
NORMAL MOVEOUT CORRECTION
SURFACE-CONSISTENT AUTOMATIC STATICS
      VARIABLE STATICS GATE
PASS 2 VELOCITY/MUTE ANALYSIS
NORMAL MOVEOUT CORRECTION
SURFACE-CONSISTENT AUTOMATIC STATICS
      VARIABLE STATICS GATE
FK FILTER – REJECT LINEAR NOISE
FINAL VELOCITY/ MUTE/ AMPLITUDE ANALYSIS
NMO/ MUTE/ TVS – GATE APPLICATION
EMC – TRIM STATICS – 8 MS MAX STAT
BANDPASS   (10/18-120/72 Hz/Db)
COMMON DEPTH POINT STACK
POST STACK ENHANCEMENT – FX PREDICTION FILTER
KIRCHHOFF TIME MIGRATION 95% OF RMS VELOCITY
POST STACK SCALE: TIME VARIANT WINDOW

The processing flow and parameters published herein are the generalized for the survey. However, the foregoing notwithstanding, Evans may have modified the processing flow and parameters as needed to adjust for timing, testing, and new technologies.

FINAL KIRCHHOFF MIGRATION
CUTOUTS APPLIED: NO
SAMPLE RATE: 1 ms   EXACT RECORD LENGTH: 6001 ms
DATUM = 1700 ft   REPLACEMENT VELOCITY = 12000 ft/sec
C 9 SP BYTE = 17 (Integer)   CDP BYTE = 21 (Integer)
C10 X COORD BYTE = 73 (Floating Point) Y COORD BYTE = 77 (Floating Point)
C11 COORDINATE PROJECTION: NAD27, OH NORTH 3401
C12 CROOKED LINE PROCESSING APPLIED: YES NOTCH FILTER: YES
C18 PROCESSING SEQUENCE:
C19 SEG-Y (Correlated) to Internal Format, Geometry /Survey Input
C20 True Amplitude Gain Recovery, Trace by Trace Editing
C21 Refraction/Datum/Elevation Statics Applied
C22 Surface Consistent Amplitude Equalization, Min Phase Correction
C23 Surface Consistent Deconvolution 220ms Oper
C24 Spectral Whitening 10/120 Hz, Sort to CDP Gathers
C25 (1) NMO/Mute Analysis (1)Surface Consistent Automatic Statics
C26 (2) NMO/Mute Analysis (2)Surface Consistent Automatic Statics
C27 Linear Noise Attenuation, TV-Amplitude Equalization
C28 (3)NMO/Mute Application (3)Surface Consistent Automatic Statics
C29 AGC - 1500 msec and Stack
C30 Spectral Whitening - F-X Decon - Post Stack Kirchhoff Time Migration
C31 10-120 HZ. Bandpass Filter, Time Variant Scaling
C32
C33 CDP 1-10539, STA 1001-7000, 1 MS., 6.0 SEC. = 6001 SAMPLES
C34
C35 CONFIDENTIAL DATA:
C36 This data is the property of EVANS GEOPHYSICAL, INC.
C37 This data may not be resold, released to, traded, copied or otherwise
C38 transferred to a third party without the express consent of
C39 EVANS GEOPHYSICAL, INC.