

Evans Geophysical, Inc. 2008-09 Spec Program

FIELD PARAMETERS

RECORDED BY: DAWSON P-27
Date Recorded: 7/2009
CLIENT: EVANS GEOPHYSICAL, INC.

SOURCE: VIBROSEIS
SWEEP: 10-120 Hz 8 SEC. SWEEP
SOURCE INTERVAL: 220 FT.
GEOPHONE TYPE: OYO SM24 10 Hz
RECEIVER ARRAY: 6 PHONES OVER 80 FT CENTERED ON STATION
RECEIVER INTERVAL: 110 FT.
STANDARD SPREAD: SPLIT 19965-275-X-275-19965 FT
RECORDING INSTRUMENTS: I/O SYSTEM II
FORMAT: SEGD
NUMBER OF CHANNELS: 360
SAMPLE INTERVAL: 1 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

SEISMIC DATA POOLS • SEISMIC DATA BROKERAGE • DATA STORAGE

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