SUNOCO ENERGY DEVELOPMENT CO.

GRASS VALLEY
PERSHING COUNTY, NEVADA

LINE 1

SHOTPOINTS 101 TO 439

RELATIVE AMPLITUDE STACK

FIELD DATA

FIELD CREW	GSI PARTY 1743
DATE SHOT	JULY 5 - 6 1979
ENERGY SOURCE	VIBROSEIS
SWEEP	12 HZ - 56 HZ
NUMBER OF SWEEPS/VP	12
VP INTERVAL	330 FT
SOURCE ARRAY	INLINE
RECEIVER ARRAY	INLINE
NO. OF GEOPHONES/GROUP	24
RECEIVER INTERVAL	165 FT
SPREAD DIMENSIONS	4290-495-X-495-4290
NUMBER OF TRACES	48
RECORDING INSTRUMENTS	DFS V
RECORDING FILTERS LOW	8 HZ
HIGH	64 HZ
GAIN CONTROL	
SAMPLE RATE	4 MSEC
RECORD LENGTH	16 SECONDS
MULTIPLICITY	12 FOLD

DIGITAL PROCESSING

_____ VERTICAL STACK
NUMBER OF SWEEPS(POPS) STACKED = ___
STRAIGHT __ DIVERSITY __ GATE LENGTH = ____ MSEC
__1__ CORRELATION
MINIMUM PHASE X ZERO PHASE __
__2__ CROOKED LINE PROCESSING
SEARCH RADIUS = 220 FT
MAXIMUM FOLD = 12
__3__ TRUE AMPLITUDE RECOVERY
ALPHA = 6 DB/SEC TIME= .0 TO 3 SEC
_____ VELOCITY FILTER
POSITIVE CUT _____ FT/SEC
NEGATIVE CUT _____ FT/SEC
__4__ DECONVOLUTION
DESIGNATURE SPIKING X GAPPED __
NUMBER OF OPERATORS = 3
OPERATOR LENGTH = 256 MSEC
WHITE NOISE LEVEL = 10 PERCENT
GAP = MSEC MIXING = __
__5__ TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS__
GATE LENGTH(3)MSEC 1000
__6__ DATUM STATICS APPLICATION
DATUM = 4500 FT
REPLACEMENT VELOCITY = 6000. FT/SEC
__7__ VELOCITY EVALUATION
FUNCTIONS REFERENCED TO DATUM
NUMBER OF CDPS/LOCATION : ENTIRE LINE
NUMBER OF LOCATIONS = ALL
LOCATION SPACING = __ MILE(S)
VELPAC VELSCAN CVS X
TIME AND SPACE VARIANT GATES
__8__ RESIDUAL STATICS COMPUTATIONS
TIME AND SPACE VARIANT GATES
_____ VELOCITY EVALUATION
FUNCTIONS REFERENCED TO _____
NUMBER OF CDPS/LOCATION = __
NUMBER OF LOCATIONS = __
LOCATION SPACING = __ MILE(S)
VELPAC VELSCAN CVS __
__9__ NORMAL MOVEOUT CORRECTIONS
SEE VELOCITIES ANNOTATED ABOVE SECTION
__10__ CDP STACK SUPPRESSION RAMP
OFFSET(FT) TIME(MSEC)

CDP				
495	200	____	____	____
4290	800	____	____	____
____	____	____	____	____
____	____	____	____	____

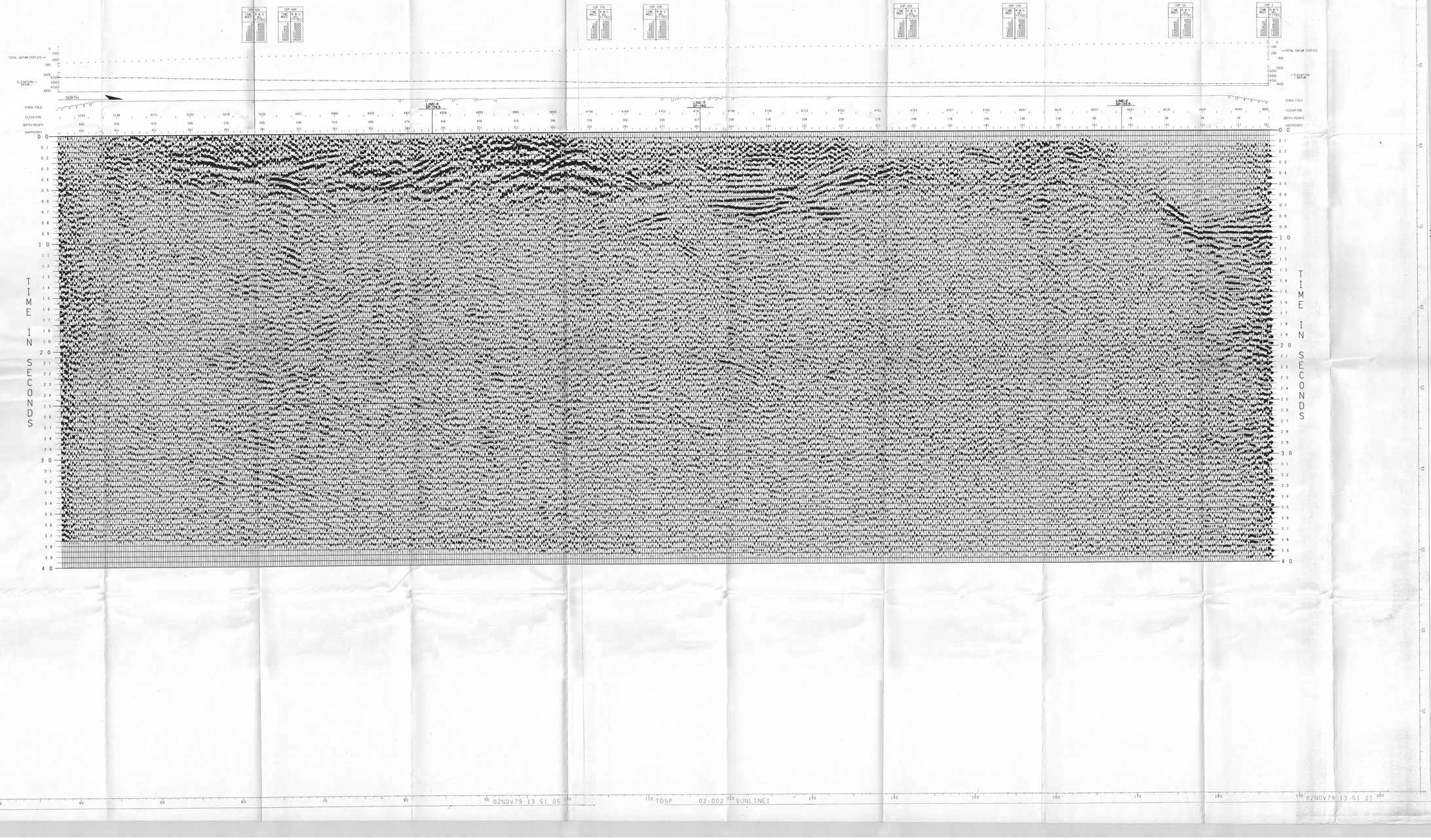
__11__ COMMON DEPTH POINT STACK
STACKING FOLD GRAPH ABOVE SECTION
RECOVERY SCALING = UNITY X SQRT __
__12__ TIME VARIANT FILTERING
PASSBAND(HZ) TIME(MSEC)

CDP ALL				
7-25	____	____	____	____
__-__	____	____	____	____
__-__	____	____	____	____

_____ TIME VARIANT SCALING
UNITY SCALARS __ SQUARE ROOT SCALARS__
GATE LENGTH(3) MSEC _____
_____ WAVE EQUATION MIGRATION
_____ DIP FILTER
POSITIVE CUT = __ MSEC/TRACE
NEGATIVE CUT = __ MSEC/TRACE
__14__ DISPLAY
TRACES/INCH = 12 INCHES/SECOND = .5
POLARITY NORMAL X REVERSED __
BIAS 10 PERCENT
__13__ RELATIVE AMPLITUDE STACK

GEOPHYSICAL SERVICE INC

(A SUBSIDIARY OF TEXAS INSTRUMENTS INC)

OCT 31 1979
DENVER CO

PROCESSING CHECKED BY _____