SUNOCO ENERGY DEVELOPMENT CO.

GRASS VALLEY
PERSHING COUNTY, NEVADA

LINE 1

SHOTPOINTS 101 TO 439

SCALED FINAL 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
__1__ DIVERSITY GATE LENGTH = ____ MSEC
__1__ CORRELATION
MINIMUM PHASE ZERO PHASE __
__2__ CROSSED LINE PROCESSING
SEARCH RADIUS = 330 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 = 2
OPERATOR LENGTH = 256 MSEC
WHITE NOISE LEVEL = 10 PERCENT
GAP = 8 MSEC NXING = --
__5__ TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS__
GATE LENGTH(S) MSEC = 2000
__6__ DATUM STATICS APPLICATION
DATUM = 9500 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)
VELPAK 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)
VELPAK VELSCAN = CVS __
__9__ NORMAL MOVEOUT CORRECTIONS
SEE VELOCITIES ANNOTATED ABOVE SECTION
__10__ CDP STACK W/ SUPPRESSED RAMP
OFFSET(FT) TIME(MSEC)

CDP			
----	----	----	----
495	200	----	----
4290	8000	----	----
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__11__ COMMON DEPTH POINT STACK
STACKING FOLD GRAPH ABOVE SECTION
RECOVERY SCALING UNITY X SQRT __
__12__ TIME VARIANT FILTERING
PASSBAND(HZ) TIME(MSEC)

CDP			
7-25	ALL	----	----
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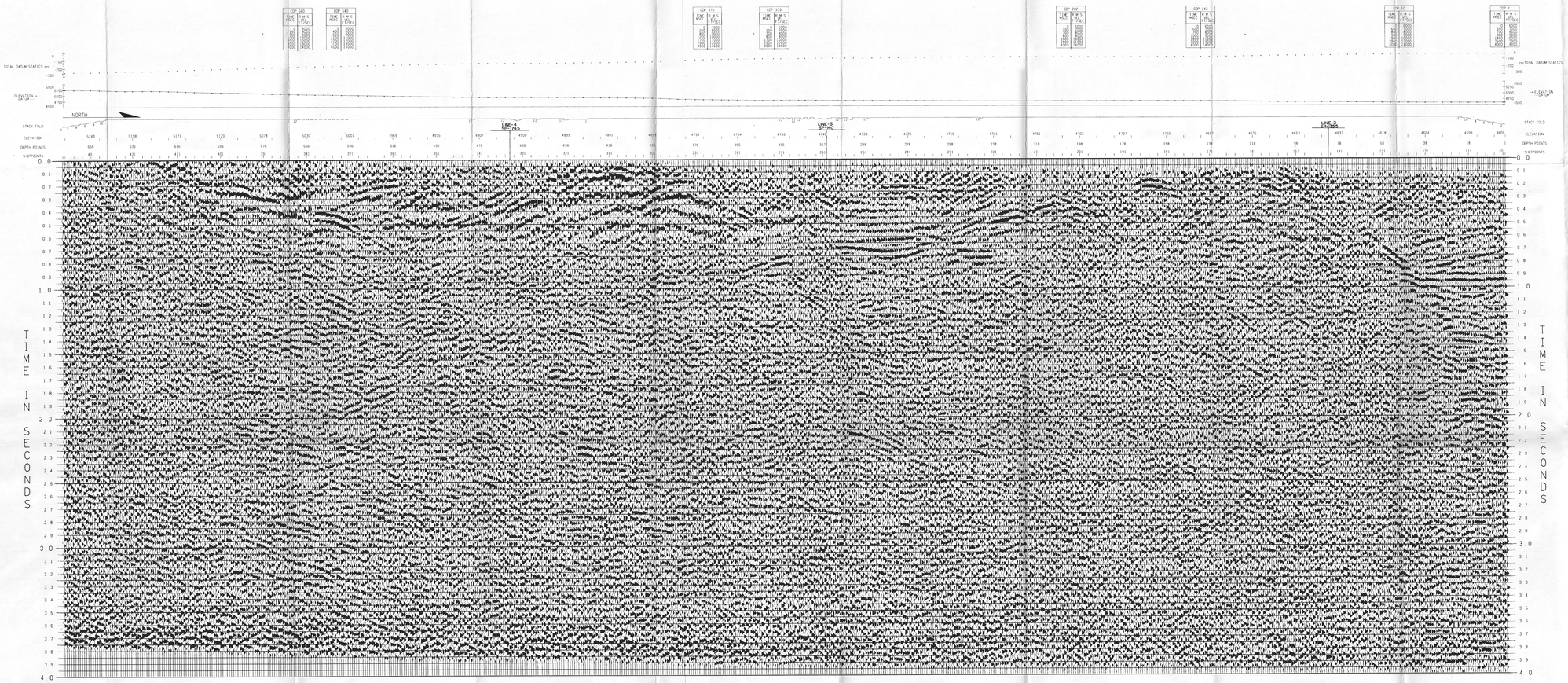
__13__ TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS__
GATE LENGTH(S) MSEC = 500
____ WAVE EQUATION MIGRATION
____ DIP FILTER
POSITIVE CUT = -- MSEC/TRACE
NEGATIVE CUT = -- MSEC/TRACE
__14__ DISPLAY
TRACES/INCH = 12 INCHES/SECOND = 5
POLARITY NORMAL X REVERSED __
BIAS 10 PERCENT

GEOPHYSICAL SERVICE INC

(A SUBSIDIARY OF TEXAS INSTRUMENTS INC)

OCT 31, 1979
DENVER CO

PROCESSING CHECKED BY _____