SUNOCO ENERGY DEVELOPMENT CO.

GRASS VALLEY
PERSHING COUNTY, NEVADA

LINE 1

SHOTPOINTS 101 TO 439

MIGRATED FINAL STACK

FIELD DATA

FIELD CREW	GSI PARTY 1743
DATE SHOT	JUL 5, 6, 1979
ENERGY SOURCE	VIBROSEIS
SWEEP	12 HZ - 56 HZ
NUMBER OF SWEEPS/VP	12
VP INTERVAL	330 FT
SOURCE ARRAY	IN LINE
RECEIVER ARRAY	IN LINE
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

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_____ 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 = 320 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                SPIKING X   GAPPED __
      DESIGNATION
      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 LENGTHS(S) MSEC 200
__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      ____   ____  ____  ____
      __-__     ____   ____  ____  ____
      __-__     ____   ____  ____  ____
__13__ TIME VARIANT SCALING
      UNITY SCALARS X   SQUARE ROOT SCALARS__
      GATE LENGTHS(S) MSEC 3000
__14__ WAVE EQUATION MIGRATION
_____ DIP FILTER
      POSITIVE CUT = __ MSEC/TRACE
      NEGATIVE CUT = __ MSEC/TRACE
__15__ DISPLAY
      TRACES/INCH = 12   INCHES/SECOND = 5
      POLARITY  NORMAL X  REVERSED __
      BIAS  10 PERCENT
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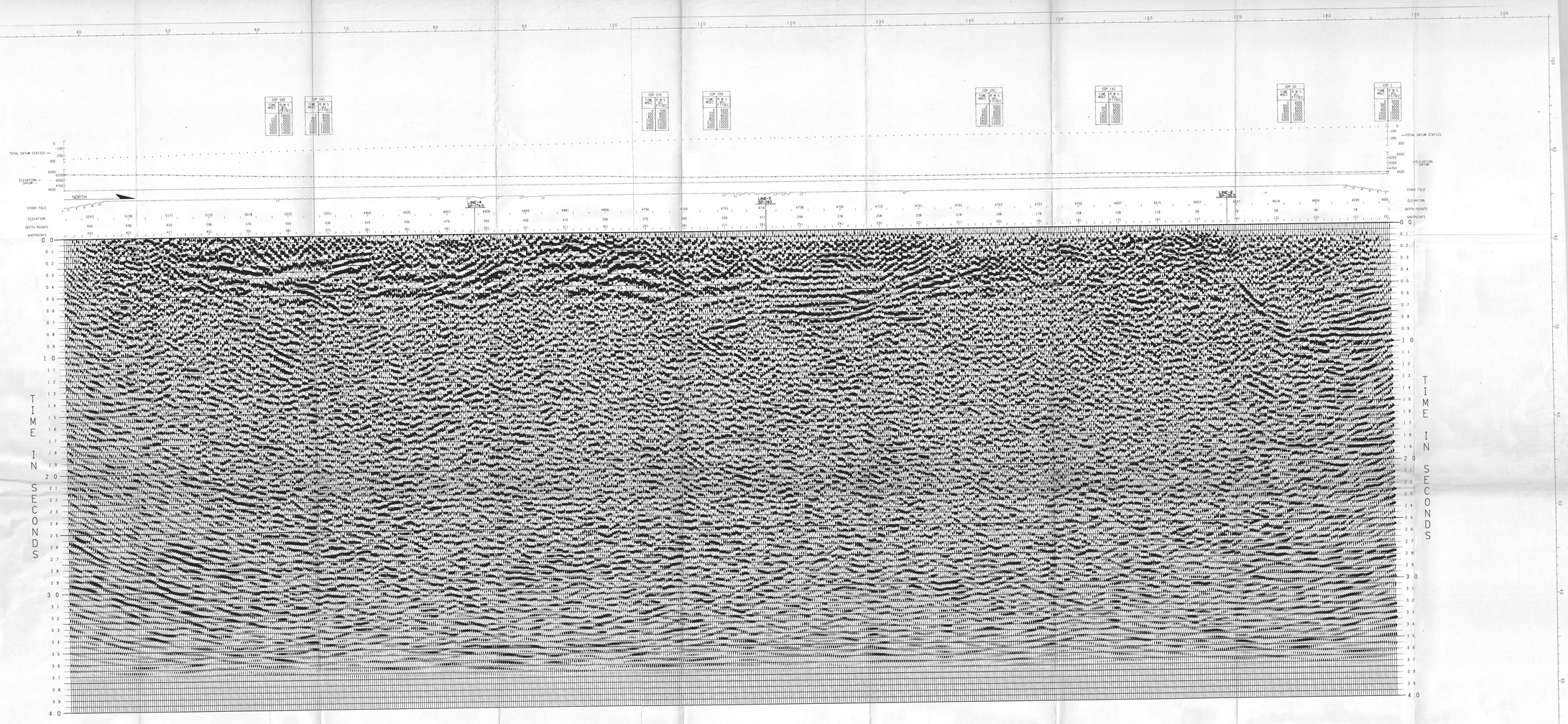
GEOPHYSICAL SERVICE INC

(A SUBSIDIARY OF TEXAS INSTRUMENTS INC)

OCT 31 1979
DENVER CO

PROCESSING CHECKED BY _____