SUNOCO ENERGY DEVELOPMENT CO.

GRASS VALLEY
PERSHING COUNTY, NEVADA

LINE 3

SHOTPOINTS 101 TO 283

MIGRATED FINAL STACK

FIELD DATA

FIELD CREW	GSI PARTY 1743
DATE SHOT	JULY 8 - 9, 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 = 248 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 NXING = __

__5__ TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS__
GATE LENGTH(S) MSEC 200

__6__ DATUM STATICS APPLICATION
DATUM = 4500 FT
REPLACEMENT VELOCITY = 6000 FT/SEC

__7__ VELOCITY EVALUATION
FUNCTIONS REFERENCED TO SURFACE
NUMBER OF CDPS/LOCATION = 11
NUMBER OF LOCATIONS = 4
LOCATION SPACING = __ MILE(S)
VELPAC __ VELSCAN X CVS __
TIME AND SPACE VARIANT GATES

__9__ RESIDUAL STATICS COMPUTATIONS
TIME AND SPACE VARIANT GATES

__8__ VELOCITY EVALUATION
FUNCTIONS REFERENCED TO DATUM
NUMBER OF CDPS/LOCATION = 220
NUMBER OF LOCATIONS = 1
LOCATION SPACING = __ MILE(S)
VELPAC __ VELSCAN __ CVS X

__10__ NORMAL MOVEOUT CORRECTIONS
SEE VELOCITIES ANNOTATED ABOVE SECTION

__11__ CDP STACK SUPPRESSION RAMP
OFFSET(FT) TIME(MSEC)

OFFSET(FT)	CDP ____	____	____	____
495	0	____	____	____
4290	700	____	____	____
_____	____	____	____	____
_____	____	____	____	____

__12__ COMMON DEPTH POINT STACK
STACKING FOLD GRAPH ABOVE SECTION
RECOVERY SCALING = UNITY X SQRT __

__13__ TIME VARIANT FILTERING
PASSBAND(HZ) TIME(MSEC)

PASSBAND(HZ)	CDP ALL	____	____	____
7-25	____	____	____	____
__-__	____	____	____	____
__-__	____	____	____	____

__14__ TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS__
GATE LENGTH(S) MSEC 3000

__15__ WAVE EQUATION MIGRATION

_____ DIP FILTER
POSITIVE CUT = __ MSEC/TRACE
NEGATIVE CUT = __ MSEC/TRACE

__16__ 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 __________

CDP 326 TIME MSEC	R.M.S. VEL. FT/SEC
0	8000
50	8000
100	9000
400	9000
1000	10000
1350	12000
1700	14000
4000	15000

CDP 246 TIME MSEC	R.M.S. VEL. FT/SEC
0	8000
200	8000
250	9000
400	9000
1000	10000
1350	12000
1700	14000
4000	15000

CDP 236 TIME MSEC	R.M.S. VEL. FT/SEC
0	7000
100	8000
300	8000
700	9000
1000	10000
1300	12000
1700	14000
4000	15000

CDP 196 TIME MSEC	R.M.S. VEL. FT/SEC
0	7000
250	8000
400	8000
700	9000
1000	10000
1300	12000
1700	14000
4000	15000

CDP 186 TIME MSEC	R.M.S. VEL. FT/SEC
0	6000
250	7000
450	7000
1000	8000
1200	10000
1400	12000
1700	14000
4000	15000

CDP 140 TIME MSEC	R.M.S. VEL. FT/SEC
0	6000
250	7000
650	7000
900	8000
1100	10000
1400	12000
1700	14000
4000	15000

CDP 125 TIME MSEC	R.M.S. VEL. FT/SEC
0	6000
300	7000
600	7000
850	8000
1100	10000
1350	12000
1600	13500
4000	15000

CDP 22 TIME MSEC	R.M.S. VEL. FT/SEC
0	6000
800	7000
1000	8000
1200	9000
1450	10000
2450	12000
3000	13000
4000	15000

CDP 1 TIME MSEC	R.M.S. VEL. FT/SEC
0	6000
800	7000
1000	8000
1200	9000
1450	10000
2450	12000
3000	13000
4000	15000