SUNOCO ENERGY DEVELOPMENT CO.

GRASS VALLEY
PERSHING COUNTY, NEVADA

LINE 4

SHOTPOINTS 101 TO 255

RELATIVE AMPLITUDE STACK

FIELD DATA

FIELD CREW	GSI PARTY 1743
DATE SHOT	JULY 11, 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 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 0
4290 700
__11__ COMMON DEPTH POINT STACK
STACKING FOLD GRAPH ABOVE SECTION
RECOVERY SCALING = UNITY __ SQRT __
__12__ TIME VARIANT FILTERING
PASSBAND(HZ) TIME(MSEC)
CDP ALL
7-25
_____ TIME VARIANT SCALING
UNITY SCALARS__ SQUARE ROOT SCALARS__
GATE LENGTH(S) 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 _____

CDP 247	
TIME MSEC	R.M.S. VEL. FT/SEC
0	8000
600	8000
750	8500
875	9000
1000	10000
2000	12000
3000	13000
4000	14000

CDP 239	
TIME MSEC	R M S VEL FT/SEC
0	6000
500	6000
700	8000
850	9000
1000	10000
1500	12000
2500	13000
4000	14000

CDP 152	
TIME MSEC	R.M.S. VEL. FT/SEC
0	6000
500	8000
700	8000
850	9000
1000	10000
2000	12000
3000	13000
4000	14000

CDP 142	
TIME MSEC	R M S VEL FT/SEC
0	7000
300	7000
350	9000
450	9000
1000	11000
1400	12000
2400	13000
4000	14000

CDP 122	
TIME MSEC	R M S VEL FT/SEC
0	7000
250	7000
300	9000
450	9000
1000	11000
1300	12000
2300	13000
4000	14000

CDP 102	
TIME MSEC	R M S VEL FT/SEC
0	7000
175	7000
250	9000
450	9000
900	11000
1200	12000
2200	13000
4000	14000

CDP 90	
TIME MSEC	R.M.S. VEL. FT/SEC
0	7000
100	7000
175	9000
450	9000
1000	11000
1200	12000
2100	13000
4000	14000

CDP 82	
TIME MSEC	R M S VEL FT/SEC
0	7000
60	8000
125	9000
450	9000
800	11000
1000	12000
2000	13000
4000	14000

CDP 67	
TIME MSEC	R M S VEL FT/SEC
0	9000
150	9000
300	9000
450	9000
650	10000
1200	12000
1800	13000
4000	14000

CDP 1	
TIME MSEC	R M S VEL FT/SEC
0	9000
150	9000
300	9000
450	9000
650	10000
1200	12000
1800	13000
4000	14000