

SUNOCO ENERGY  
DEVELOPMENT CO.  
GRASS VALLEY  
PERSHING COUNTY, NEVADA

LINE 3

SHOTPOINTS 101 TO 283

SCALED 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  
GAIN CONTROL HIGH 64 HZ  
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 ZERO PHASE
- 2. CROOKED LINE PROCESSING  
SEARCH RADIUS = 248 FT  
MAXIMUM FOLD 12
- 3. TRUE AMPLITUDE RECOVERY  
TIME = 0 TO 30 SEC
- VELOCITY FILTER  
POSITIVE CUT --- FT/SEC  
NEGATIVE CUT --- FT/SEC
- 4. DECONVOLUTION  
OPERATORS 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(S) MSEC 200
- 6. DATUM STATICS APPLICATION  
DATUM = 4290 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 ---
- 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) CDP TIME(MSEC)  
495 0  
4290 700  
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- 12. COMMON DEPTH POINT STACK  
STACKING FOLD GRAPH ABOVE SECTION  
RECOVERY SCALING = UNITY X SORT ---
- 13. TIME VARIANT FILTERING  
PASSBAND(HZ) TIME(MSEC)  
7 - 25 CDP ALL  
---
- 14. 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
- 15. 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

