



SW - NE

AEC WEST

LINE: DQN-00007

AREA: KEELE ARCH

9227-A61-1DA

LOCATION: NWT

MIGRATED DMO STACK

NORMAL POLARITY

SHOT POINTS: 1 - 499

RECORDING PARAMETERS

DATE SHOT: 1974
SHOT BY: NORTHERN GEOPHYSICAL LTD.
SHOT FOR: ARCO OILFIELD PETROLEUM COMPANY LTD.

SOURCE	RECEIVERS
ENERGY SOURCE: DYNAMITE	GEOPHONE TYPE: MARK L-10
SHOT PATTERN: SINGLE HOLE	NO. OF TRACES: 48
CHARGE SIZE: 10 LBS	RECORD LENGTH: 3 SEC.
SHOT DEPTH: 10 FT	SAMPLE INTERVAL: 2 MS.
FIELD FILTER: 100/124 HZ.	STANDARD SPREAD CONFIGURATION
NOTCH FILTER: 100/124 HZ.	TRACE DISTANCE: 67' - 8' - 25' - 48' - 838 M.

INSTRUMENTS
INSTRUMENT TYPE: DSHV
FIELD FORMAT: SEG-BRECORD LENGTH: 3 SEC.
SAMPLE INTERVAL: 2 MS.

PROCESSING SEQUENCE

DATE PROCESSED: NOVEMBER, 1998

- 1) DEMULTIPLEXED FROM SEG-B (LACEY) CD-ROM
- 2) LINE GEOMETRY AND TRACE EDITS
- 3) GAIN CORRECTION - TYPE: EXPONENTIAL
- 4) RELATIVE AMPLITUDE SCALING
- 5) LOW FREQUENCY ARRAY FORMING
FREQ. RANGE: 0 - 20 HZ. VELOCITY: 2000 M./SEC.
- 6) DECONVOLUTION
TYPE: MULTI-COMPONENT
MINIMUM PHASE SIGNATURE
OUTPUT PHASE: ZERO
DESIGN GATE: 0.20 - 2.30 SEC. AT 0 M.
0.67 - 2.50 SEC. AT 838 M.
- 7) TRACE BALANCE
- 8) ELEVATION CORRECTIONS & WEATHERING CORRECTIONS
REFRACTION STATICS: 2 LAYER
WEATHERING VELOCITY: 650 M./SEC.
REPLACEMENT VELOCITY: 3047 M./SEC.
PROCESSING DATUM ELEVATION: 305 M. A.S.L.
- 9) AUTOMATIC RESIDUAL STATICS
WINDOW: 0.30 - 2.00 SEC.
MAXIMUM STATIC: +/- 20 MSEC.
ITERATIONS: 4
- 10) FINAL VELOCITY ANALYSIS
TYPE: COHERENCY SPECTRA
- 11) FINAL NFO
- 12) SHOT DOPPIN DMO
- 13) FINAL MUTE: OFFSET
268 M.
302 M.
838 M.
- 14) DECONVOLUTION
TYPE: TRACE TO TRACE
OUTPUT PHASE: ZERO
DESIGN GATES: 0.20 - 2.30 SEC. AT 0 M.
0.67 - 2.50 SEC. AT 838 M.
FREQUENCIES: 8 - 90 HZ.
- 15) TRIM STATICS
WINDOW: 0.30 - 2.00 SEC.
MAXIMUM STATIC: +/- 12 MSEC.
- 16) COP STACK
- 17) MULTI-GATE SCALING
- 18) F-X DECONVOLUTION NOISE SUPPRESSION. REDBACK: 50%
- 19) FINITE DIFFERENCE MIGRATION. 95 % OF STACKING VELOCITIES
- 20) BANDPASS FILTER: 10/15 - 50/60 HZ. 1.8-3.0 SEC

DISPLAY PARAMETERS

HORIZONTAL SCALE (TRACES/INCH): 12
VERTICAL SCALE (IN/SEC): 5.0

EI PROCESSING INC.