

NW - SE
AEC WEST

LINE: DQN-00015

AREA: KEELE ARCH

9227-A61-1DA

LOCATION: NWT

MIGRATED DMO STACK

NORMAL POLARITY

SHOT POINTS: 1 - 670

RECORDING PARAMETERS

DATE SHOT: MARCH 1974
SHOT BY: NORTHERN GEOPHYSICAL LTD.
SHOT FOR: ARDCO CANADIAN PETROLEUM COMPANY LTD.SOURCE: DYNAMITE
RECEIVERS: MARK L-10
CHARGE SIZE: SINGLE HOLE
PHONES/GROUP: 14 HZ
SHOT DEPTH: 100 FT
GROUP INTERVAL: 100 FT (100 M)
FIELD FILTER: 10/124 HZ
SOURCE INTERVAL: 315 FT (96 M)
NOTCH FILTER: NO. OF TRACES: 48INSTRUMENTS
INSTRUMENT TYPE: DSIV
RECORD LENGTH: 3 SEC.
FIELD FORMAT: SEG-B
SAMPLE INTERVAL: 2 MS.STANDARD SPREAD CONFIGURATION
TRACE DISTANCE: 24 X 25 48
600 64 64 600 M.

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.
0.53 - 2.50 SEC. AT 800 M.
- 7) TRACE BALANCE
- 8) ELEVATION CORRECTIONS & HEATHERING CORRECTIONS
REFRACTION STATICS: 2 LAYER
HEATHERING 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.
- 10) FINAL VELOCITY ANALYSIS
TYPE: COHERENCY SPECTRA
ITERATIONS: 4
- 11) FINAL NMO
- 12) SHOT DOMAIN DMO
- 13) FINAL NUTS: OFFSET
204 M. NUT TIME
0.000 SEC.
320 M. 0.350 SEC.
800 M. 0.600 SEC.
- 14) DECONVOLUTION
TYPE: TRACE TO TRACE
OUTPUT PHASE: ZERO
DESIGN GATE: 0.20 - 2.30 SEC. AT 0 M.
0.53 - 2.50 SEC. AT 800 M.
8 - 90 HZ.
- 15) TRIM STATICS
WINDOW: 0.30 - 2.00 SEC.
MAXIMUM STATIC: +/- 12 MSEC.
- 16) CDP STACK
- 17) MULTI-GATE SCALING
- 18) F-X DECONVOLUTION NOISE SUPPRESSION, ROBACK: 50%
- 19) FINITE DIFFERENCE MIGRATION, 95 % OF STACKING VELOCITIES
10/15 - 70/80 HZ. 0-1.5 SEC
- 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.

TIES 188-0010 BY SP 256.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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