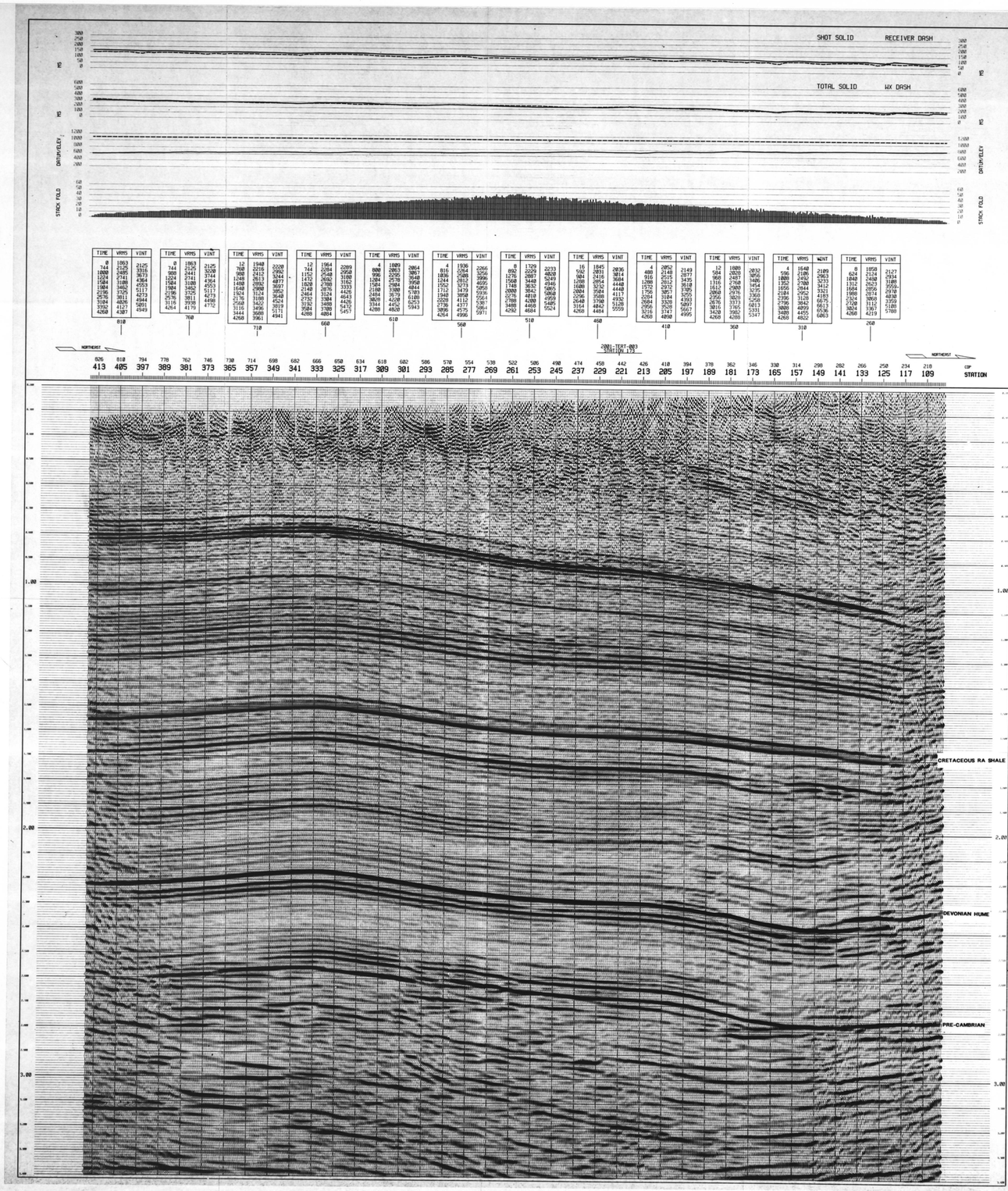

NORTHROCK RESOURCES

9229-N46-2E

AREA: TERTIARY CREEK EL-397
NORTHWEST TERRITORIES
LINE: 2001-TERT-004
SP'S: 101-417

NORTHEAST

PRE-STACK MIGRATION

FOLD 2000%
POLARITY: NORMAL

RECORDING PARAMETERS

RECORDING INFORMATION

RECORDED BY	TRACE EXPLORATION
PARTY	N/A
DATE	MARCH 2001
INSTRUMENT TYPE	SN388
CHANNELS PER SHOT	24
SAMPLE RATE	2 MS
RECORD LENGTH	4 SECONDS
RECORDING FILTER	LOW CUT: OUT NOTCH: OUT HIGH CUT: 0.5 NYQ LINEAR
TAPE FORMAT	SEG-D

SOURCE

TYPE	DYNAMITE
SOURCE INTERVAL	100 M
STATION INTERVAL	50 M
SHOT DEPTH	15 M
CHARGE SIZE	3 KG

GEOPHONES

GEOPHONE TYPE	SENSOR SM24 MARSH
FREQUENCY	10 HZ
ARRAY	6 OVER 20 M
SPREAD CONFIGURATION	

TR-01 STN 101 ——— X ——— TR-318 STN 418

SHOT ROLLED THROUGH STATIONARY SPREAD

NO GAP

PROCESSING PARAMETERS

REFORMAT
APPLICATION OF CROOKED LINE GEOMETRY
SPHERICAL AND EXPONENTIAL DIVERGENCE CORRECTION
EDITING
GEOPHONE PHASE COMPENSATION
DECONVOLUTION:
TYPE: SURFACE CONSISTENT
OPERATOR LENGTH: 100 MS
NEAR DESIGN WINDOW: 150-2500 MS
FAR DESIGN WINDOW: 2000-3700 MS (AT 6400 M)
PREWHITENING: 0.1%
DECONVOLUTION:
TYPE: TIME-VARIANT SPECTRAL BALANCE
FIRST NEAR DESIGN WINDOW: 150-1300 MS
FIRST FAR DESIGN WINDOW: 2200-2800 MS (AT 6400 M)
SECOND NEAR DESIGN WINDOW: 300-2500 MS
SECOND FAR DESIGN WINDOW: 2300-3000 MS (AT 6400 M)
THIRD NEAR DESIGN WINDOW: 1100-3000 MS
THIRD FAR DESIGN WINDOW: 3000-3700 MS (AT 6400 M)
DESIGN BANDWIDTH: 8/12-110/125 HZ
REFRACTION STATICS
DATUM ELEVATION: 1100 M
REPLACEMENT VELOCITY: 3000 M/SEC
FIRST VELOCITY ANALYSIS
FIRST PASS OF SURFACE CONSISTENT RESIDUAL STATICS
MAXIMUM STATIC SHIFT: 30 MS
WINDOW: 600-2500 MS
SECOND VELOCITY ANALYSIS
EDITING
SECOND PASS OF SURFACE CONSISTENT RESIDUAL STATICS
MAXIMUM STATIC SHIFT: 10 MS
WINDOW: 500-2500 MS
THIRD PASS OF SURFACE CONSISTENT RESIDUAL STATICS
MAXIMUM STATIC SHIFT: 7 MS
WINDOW: 500-2500 MS
MIGRATION VELOCITY ANALYSIS
BANDPASS FILTER
0-1200 MS: 8/12-75/85 HZ
1600-4000 MS: 8/12-50/60 HZ
KIRCHHOFF MIGRATION
VELOCITY ANALYSIS
APPLICATION OF FINAL MUTE
240 M - 0 MS
1200 M - 900 MS
1600 M - 1400 MS
3200 M - 3400 MS
6500 M - 3400 MS
CDP STACK: 2000%
BANDPASS FILTER
0-1200 MS: 8/12-75/85 HZ
1600-4000 MS: 8/12-50/60 HZ
TRACE EQUALIZATION
500 MS AGC

QUALITY CONTROL: D.S. DATE: APRIL 2001

DISPLAY PARAMETERS

24 TRACES PER INCH
7.5 INCHES PER SECOND

POLARITY: NORMAL

ECLIPSE
SEISMIC PROCESSORS INC.

TRIATHLON PROJ. NO. 9229-N46-2E LINE NO. 2001-TERT-4 PART NO. 1 OF 1 R.R. 10X