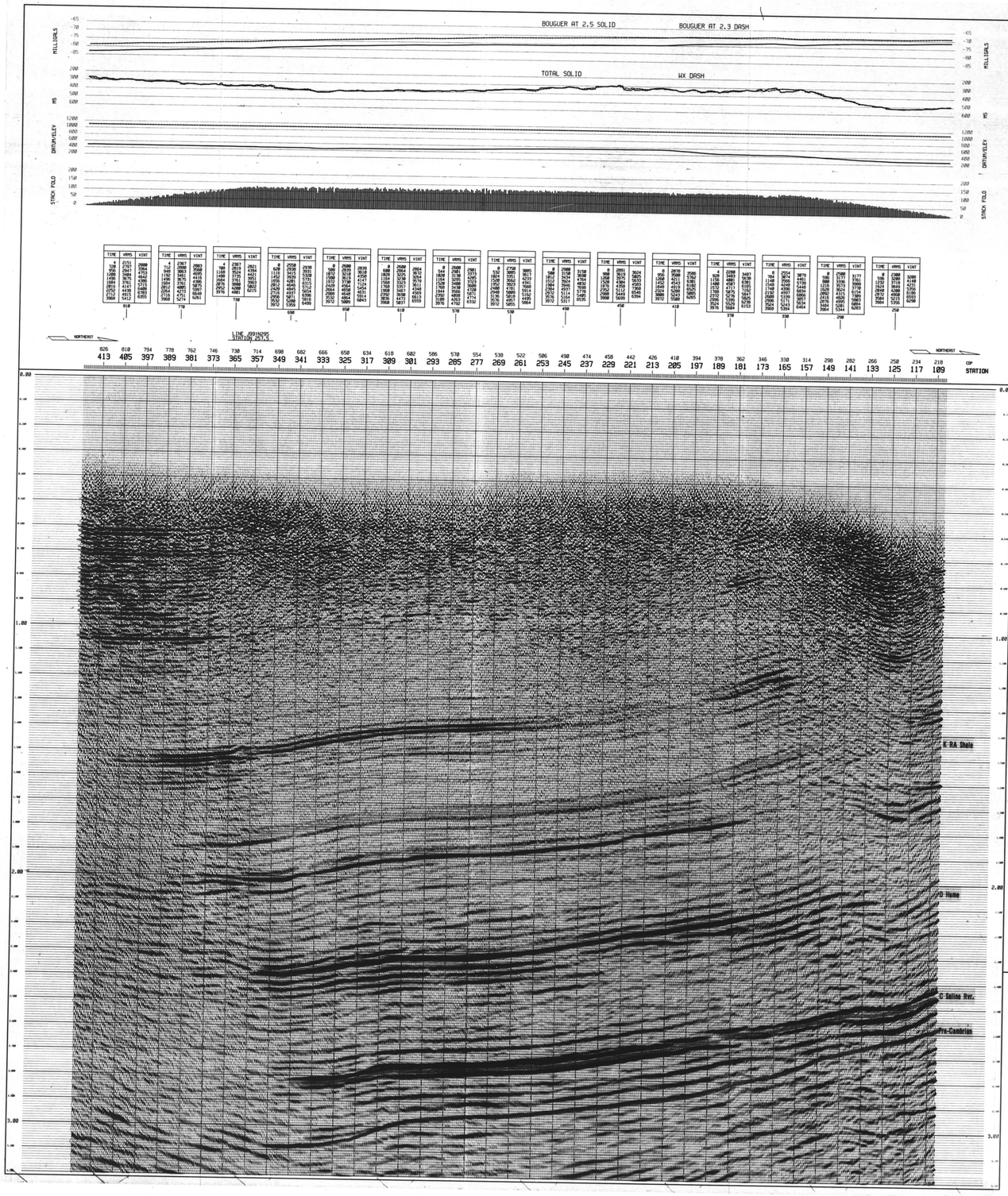

9229 N46 1E..2d

NORTHROCK RESOURCES

AREA: TERTIARY CREEK
NORTHWEST TERRITORIES
LINE: J99YN296
VP'S: 101.5-421.5

NORTHEAST

PRE-STACK MIGRATION

FOLD 12000%

POLARITY: 90 DEGREE PHASE ROTATION

RECORDING PARAMETERS

RECORDING INFORMATION

RECORDED BY	TRACE EXPLORATIONS
PARTY	203
DATE	FEBRUARY 2000
INSTRUMENT TYPE	I/O SYSTEM II
CHANNELS PER SHOT	240
SAMPLE RATE	2 MS
CORRELATED RECORD LENGTH	16 SECONDS
RECORDING FILTER	LOW CUT: 3 HZ NOTCH OUT HIGH CUT: 1/2 NYQ MIN
TAPE FORMAT	SEG D

SOURCE

TYPE	VIBROSEIS
SOURCE INTERVAL	25 M
STATION INTERVAL	25 M
SWEEP SPECTRUM	8-96 HZ
SWEEP LENGTH	16 SECONDS
SOURCE ARRAY	3 VIBS
NUMBER OF SWEEPS	2

GEOPHONES

GEOPHONE TYPE	MARK L-210
FREQUENCY	10 HZ
ARRAY	6 OVER 25 M

SPREAD CONFIGURATION

TR-01 — 3012.5 M — TR-120 — 37.5 M — X — TR-121 — 37.5 M — TR-240 — 3012.5 M

PROCESSING PARAMETERS

REFORMAT AND MINIMUM PHASE CORRELATE
EDITING
SPHERICAL AND EXPONENTIAL DIVERGENCE CORRECTION
GEOPHONE PHASE COMPENSATION
DECONVOLUTION:
TYPE: TIME VARIANT SURFACE CONSISTENT
OPERATOR LENGTH: 80 MS
FIRST NEAR DESIGN WINDOW: 300-1800 MS
FIRST FAR DESIGN WINDOW: 1500-2100 MS
SECOND NEAR DESIGN WINDOW: 1500-2700 MS
SECOND FAR DESIGN WINDOW: 1900-3500 MS
THIRD NEAR DESIGN WINDOW: 2400-3500 MS
THIRD FAR DESIGN WINDOW: 2600-3900 MS
PREWHITENING: 0.05%
DECONVOLUTION:
TYPE: TIME-VARIANT ZERO PHASE
FIRST NEAR DESIGN WINDOW: 300-1800 MS
FIRST FAR DESIGN WINDOW: 1500-2100 MS
SECOND NEAR DESIGN WINDOW: 1500-2700 MS
SECOND FAR DESIGN WINDOW: 1900-3500 MS
THIRD NEAR DESIGN WINDOW: 2400-3500 MS
THIRD FAR DESIGN WINDOW: 2600-3900 MS
DESIGN BANDWIDTH: 8/12-95/105 HZ
REFRACTION STATICS:
DATUM ELEVATION: 1100 M
REPLACEMENT VELOCITY: 3000 M/SEC
REGIONAL VELOCITY ANALYSIS
FIRST PASS OF SURFACE CONSISTENT RESIDUAL STATICS:
MAXIMUM STATIC SHIFT: 23 MS
WINDOW: 600-3000 MS
RESIDUAL VELOCITY ANALYSIS
EDITING
SECOND PASS OF SURFACE CONSISTENT RESIDUAL STATICS:
MAXIMUM STATIC SHIFT: 10 MS
WINDOW: 600-3000 MS
KIRCHHOFF MIGRATION
60 DEGREE MAXIMUM DIP
RESIDUAL VELOCITY ANALYSIS
APPLICATION OF FINAL MUTE:
200 M - 0 MS
250 M - 300 MS
1500 M - 1200 MS
2500 M - 3000 MS
3500 M - 4000 MS
COP STACK: 12000%
BANDPASS FILTER:
0-1200 MS: 10/15-85/95 HZ
2500-4000 MS: 10/15-60/70 HZ
TRACE EQUALIZATION:
DESIGN WINDOWS: 300-1000 MS
1000-2000 MS
2000-3000 MS
3000-4000 MS
90 DEGREE PHASE ROTATION

QUALITY CONTROL: DS — DATE: APRIL 2000

DISPLAY PARAMETERS:

24 TRACES PER INCH
7.5 INCHES PER SECOND

POLARITY: 90 DEGREE PHASE ROTATION

ECLIPSE
SEISMIC PROCESSORS INC.

TRIATHLON — PROJ. NO. 9229-N46-1E — LINE NO. J99YN296 — PART NO. 1 OF 1 — R.R. 10X