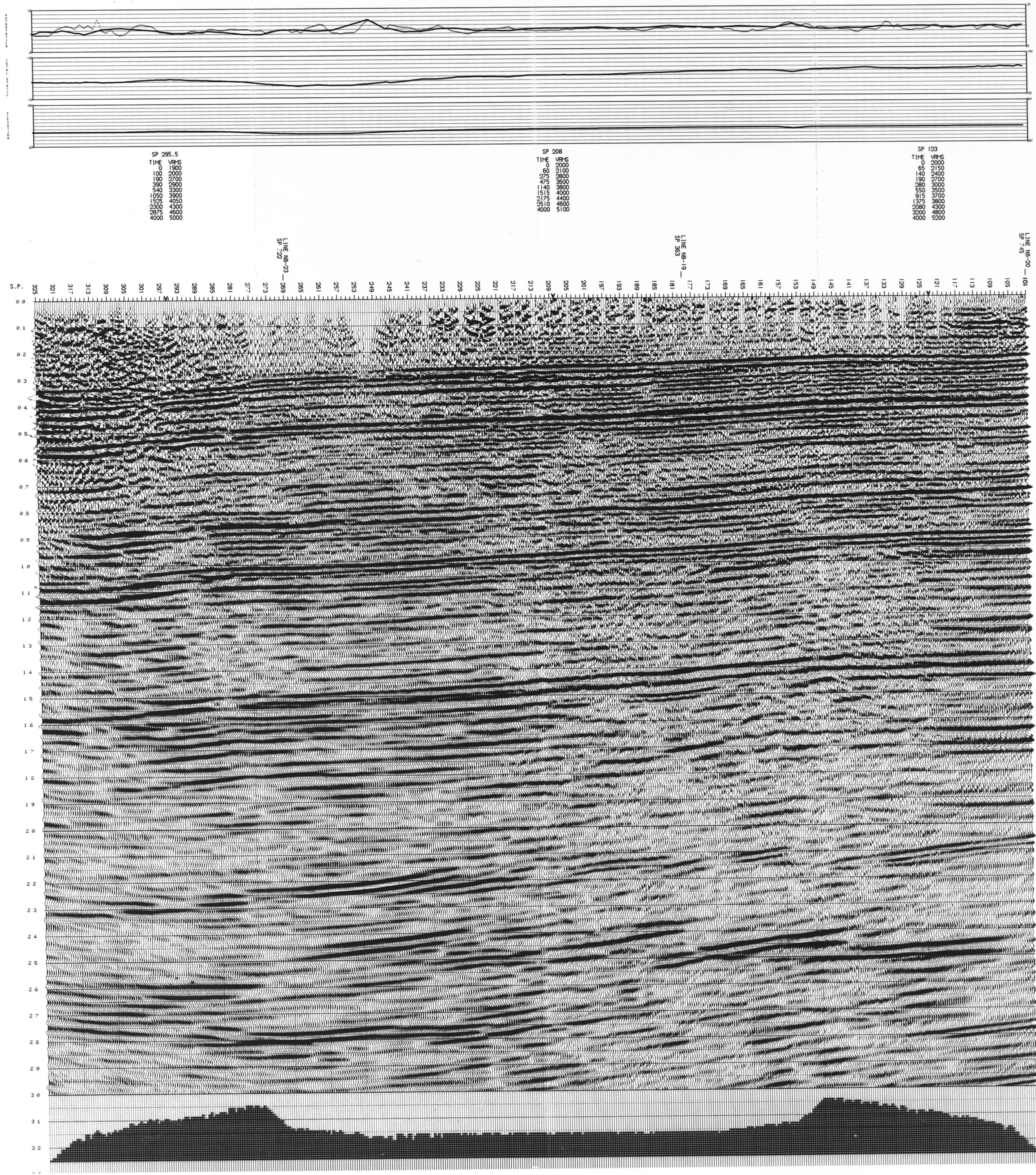




SP 225 S

| TIME | VELOCITY |
|------|----------|
| 0    | 1500     |
| 100  | 2000     |
| 180  | 2700     |
| 280  | 3200     |
| 340  | 3300     |
| 400  | 3400     |
| 460  | 3500     |
| 520  | 3600     |
| 580  | 3700     |
| 640  | 3800     |
| 700  | 3900     |
| 760  | 4000     |
| 820  | 4100     |
| 880  | 4200     |
| 940  | 4300     |
| 1000 | 4400     |

SP 208

| TIME | VELOCITY |
|------|----------|
| 0    | 2000     |
| 60   | 2100     |
| 120  | 2200     |
| 180  | 2300     |
| 240  | 2400     |
| 300  | 2500     |
| 360  | 2600     |
| 420  | 2700     |
| 480  | 2800     |
| 540  | 2900     |
| 600  | 3000     |
| 660  | 3100     |
| 720  | 3200     |
| 780  | 3300     |
| 840  | 3400     |
| 900  | 3500     |
| 960  | 3600     |
| 1020 | 3700     |
| 1080 | 3800     |
| 1140 | 3900     |
| 1200 | 4000     |
| 1260 | 4100     |
| 1320 | 4200     |
| 1380 | 4300     |
| 1440 | 4400     |
| 1500 | 4500     |
| 1560 | 4600     |
| 1620 | 4700     |
| 1680 | 4800     |
| 1740 | 4900     |
| 1800 | 5000     |
| 1860 | 5100     |

SP 123

| TIME | VELOCITY |
|------|----------|
| 0    | 2000     |
| 60   | 2150     |
| 120  | 2300     |
| 180  | 2450     |
| 240  | 2600     |
| 300  | 2750     |
| 360  | 2900     |
| 420  | 3050     |
| 480  | 3200     |
| 540  | 3350     |
| 600  | 3500     |
| 660  | 3650     |
| 720  | 3800     |
| 780  | 3950     |
| 840  | 4100     |
| 900  | 4250     |
| 960  | 4400     |
| 1020 | 4550     |
| 1080 | 4700     |
| 1140 | 4850     |
| 1200 | 5000     |

LINE NB-13  
S.P. 325-101  
EAST

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD

BOVIE LAKE

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SEFEL GEOPHYSICAL<br>SEISMIC DATA PROCESSING<br>CALGARY CANADA                                                                                                                                                                                                                                                                                                                                                                                                                           | DATE PROCESSED<br>JUNE 1984<br>O.C. RN |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FIELD RECORDING</b><br>DATE SHOT: FEBRUARY 1984<br>SHOT BY: SEFEL GEOPHYSICAL LTD.<br>SOURCE TYPE: DYNAMITE<br>SOURCE PATTERN: SINGLE HOLE<br>CHARGE SIZE: 2 KG AT 13 M<br>GEOPHONE TYPE: GEOSPAC-10 HZ<br>GEOPHONE PATTERN: 9 AT 3 M INTERVALS<br>INSTRUMENTS: MOS-10 96 TRACE<br>FORMAT: SEGB<br>RECORDING FILTER: 12/18 - 125/72 HZ<br>RECORD LENGTH: 4 SEC<br>SAMPLE INTERVAL: 2 MS<br>GROUP INTERVAL: 25 M<br>SHOT POINT INTERVAL: 100 M<br>SPREAD GEOMETRY: 1200-25-X-25-1200 M |                                        |
| <b>DIGITAL PROCESSING</b><br>1 DEMULTIPLY WITH GAIN REMOVAL<br>PROCESSING SAMPLE RATE: 2 MS<br>2 INSTRUMENT PHASE COMPENSATION<br>3 GEOPHONE PHASE COMPENSATION<br>4 CIP TRACE GATHERS<br>5 AUTOMATIC GAIN CURVE APPLICATION<br>6 SPIKING DECONVOLUTION<br>OPERATOR DESIGN WINDOW:<br>MIN OFFSET: 150-1650 MS<br>MAX OFFSET: 750-2250 M<br>OPERATION LENGTH: 60 MS<br>PREWHITENING: 1 PERCENT<br>7 HEATHERING STATICS<br>DATUM ELEVATION: 500 M ASL<br>DATUM VELOCITY: 3700 M/SEC<br>HEATHERING VELOCITY: 610 M/SEC<br>8 AUTOMATIC RESIDUAL STATICS<br>MAX CORRELATION LAG: +-30 MS<br>WINDOW: 400-1900 MS<br>9 VELOCITY ANALYSIS<br>10 NMO<br>11 AUTOMATIC RESIDUAL STATICS<br>MAX CORRELATION LAG: +-20 MS<br>WINDOW: 200-1200 MS<br>12 COMMON OFFSET STACK<br>13 RESIDUAL NMO<br>14 MUTE<br>15 STACK<br>16 WAVE EQUATION MIGRATION<br>17 BANDPASS FILTER<br>18 EQUALIZATION<br>19 FILM DISPLAY<br>WINDOW: 10/20 - 60/70 HZ<br>400-2500 MS<br>16 TRACES/IN<br>7.5 INCHES/SEC<br><br>POLARITY (X) NORMAL ( ) REVERSE<br><br>PROCESSING PARAMETERS SELECTED BY<br>EMPRESS EXPLORATION CONSULTANTS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |