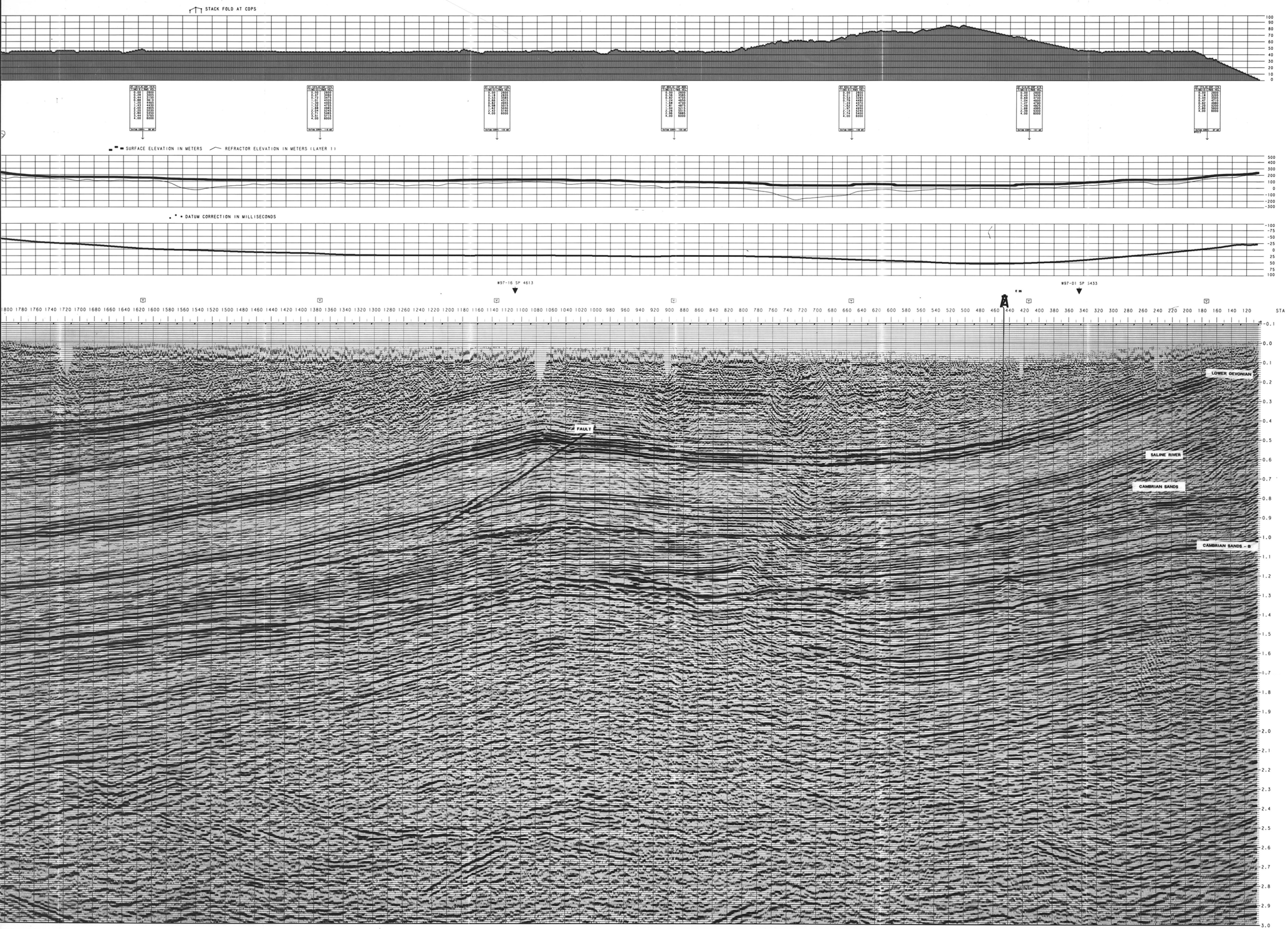

9227-C1369-1DA

LINE: W97-14

SHOT PTS. 103-2904

MIGRATION SECTION

NORMAL POLARITY

9227-C1369-1DA

SOUTHWEST

CANADIAN 88 ENERGY CORPORATION

LINE: W97-14
MACKENZIE BASIN 1997
NORTHWEST TERRITORY

REPLACEMENT VELOCITY:	3500 M/SEC
DATUM PLANE:	250 M.
DATE:	03/20/97
DENVER PROCESSING CENTER:	JOB # 1088
APPROVED BY:	JMFJT

RECORDING INFORMATION:

RECORDED FOR:	WESTERN GEOPHYSICAL		
RECORDED BY:	WESTERN GEOPHYSICAL PARTY: 716 DATE: 07/18/97		
SOURCE:			
TYPE:	VIBROSIS		
NUMBER OF SOURCES:	3 VIBS, 6 & SWEEPS		
PILOT FREQUENCY:	8-96 HZ		
PILOT LENGTH:	6 SEC		
SPREAD:			
NO. OF GROUPS RECORDED:	360		
COVERAGE:	4500 % NOMINAL		
SOURCE INTERVAL:	60 METERS		
STATION INTERVAL:	15 METERS		
SPREAD GEOMETRY:			
TRACE:	360	(81	180 1
DISTANCE (IN METERS):	2745	60 x 60	2745
DIRECTION:	SOUTHWEST		NORTHEAST
RECORDING UNIT:			
TYPE:	VISION-1000 (24 BIT)		
SAMPLE RATE:	2 MS		
RECORD LENGTH:	4 SEC		
ANTI-ALIAS FILTER:	250 HZ		
HIGH CUT SLOPE:	250 HZ (72 DB/OCT)		
NOTCH FILTER (60 HZ):	OUT		
DETECTORS:			
TYPE:	LRS-1011		
NATURAL FREQUENCY:	14 HZ		

Western Geophysical

PROCESSING SEQUENCE:

1. **FORMAT CONVERT:**
   PROCESS SAMPLE RATE: 2 MS
   PROCESS RECORD LENGTH: 4.0 SEC
2. **PRE-PROCESSON:**
   DATUM ELEVATION
   GEOMETRIC SPREADING
   FIELD STATIC COMPUTATION: DATUM ELEVATION = 250 METERS
   CORR. VEL.= 3500 M/SEC
3. **OFFSET CONSISTENT AMPLITUDE RECOVERY**
4. **REFRACTION STATICS:** V1 = 2500 M/SEC
5. **DECONVOLUTION:**
   TYPE: SURFACE CONSISTENT
   PREDICTIVE DISTANCE: MINIMUM PHASE INVERSE FILTER
   OPERATOR LENGTH: 2 MS
   STOP AUTOCORR. WINDOWS: 1000 MS
   NUMBER OF WINDOWS: 3
   PREWHITENING: .012
6. **SPECTRAL WHITENING:** WHITENED FROM 10-95 HZ
7. **VELOCITY ANALYSIS:** VELANP
8. **AUTOMATIC STATICS:** WISEMP (SURFACE CONSISTENT)
9. **VELOCITY ANALYSIS:** VELANP
10. **AUTOMATIC STATICS:** WISEMP (SURFACE CONSISTENT)
11. **VELOCITY ANALYSIS:** VELANP
12. **CDP TRIM STATICS:**
    STACK FOLD: 4500 %
    TYPE: SURFACE
    SHIFT: 12 MS
13. **DIP MOVEOUT:**
    RMW - 2700M, INC 120M
14. **STACK**
15. **FINITE DIFFERENCE MIGRATION**
16. **SPECTRAL WHITENING:** WHITENED FROM 10-95 HZ
17. **RADIAL PREDICTIVE FILTER**
18. **TIME VARIANT FILTER:**

TIME (SECS)	LOW CUT HZ (DB/OCT)	HIGH CUT HZ (DB/OCT)
0.0-1.0	18 18	96 72
1.0-3.0	12 18	96 72
-3.0	12 18	60 72

19. **GAIN:** TIME VARIANT TRACE EQUALIZATION
20. **2 TO 1 SUM**

DISPLAY:

HORIZONTAL SCALE:	36 TRACES PER INCH
VERTICAL SCALE:	2.5 INCHES PER SECOND
DATUM PLANE:	250 M.
PLAYBACK POLARITY:	POSITIVE NUMBER = PEAK

HORIZONTAL SCALE: 1 IN = 540 M

66.67 TRACE INTERVALS = 1 KILOMETER

1.0 KILOMETER

TRIATHLON PROJ. NO. 9227 C136 1 D A LINE NO. W97-14 PART NO. 1 OF 2 R.R. 10X