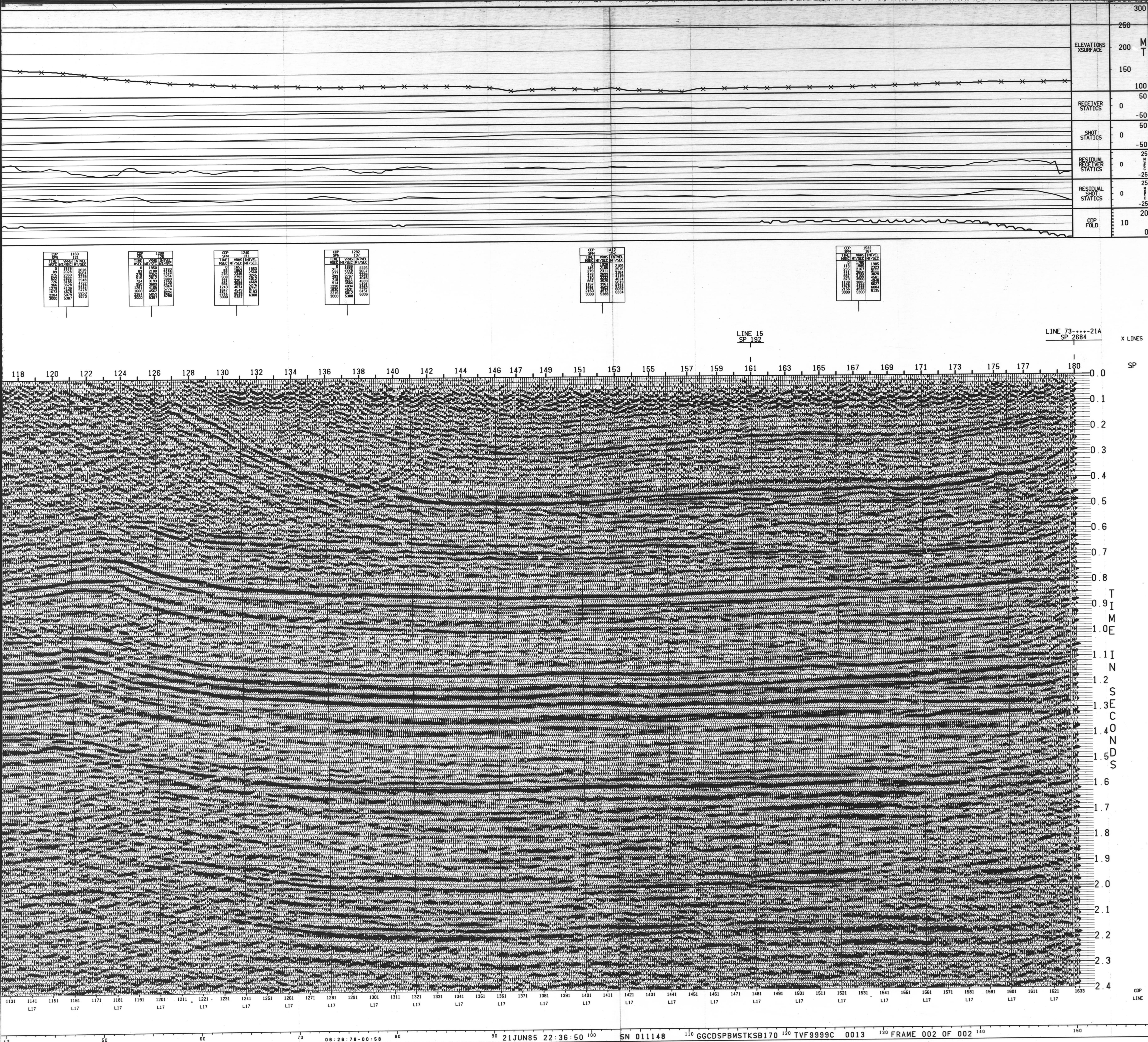




LINE 17
SP 101 TO 180

PETRO CANADA
AREA : BRACKETT LAKE
NTS 96F

MIGRATED STACK (REVERSED POL.)

FIELD DATA

RECORDED BY : WESTERN GEOPHYSICAL PARTY 362
DATE : MARCH - APRIL 1985

9229 - P28 - 10E

INSTRUMENTATION

```
AMPLIFIERS : DFS V
NO. OF TRACES : 96
RECORDING FILTER : 8 - 128 HZ
FORMAT : SEGB 9 TRACK
RECORD LENGTH : 6 SECONDS
SAMPLE RATE : 2 MSEC.
DENSITY : 1600 B.P.I.
GEOPHONE TYPE : LRS 14 HZ
```

RECORDING SPREAD		ENERGY SOURCE	
GROUP INTERVAL	: 33 METERS	TYPE	: DYNAMITE
SHOT POINT INTERVAL	: 132 METERS	WEIGHT	: 2 KGS. PER HOLE
INTENDED COVERAGE	: 12 FOLD	HOLE DEPTH	: 18 METERS
GEOPHONE ARRAY	: 9 GEOPHONES IN LINE AT 7.5 METERS	PATTERN	: SINGLE HOLE

TR96	TR49	TR48	TR1
T.....	T.....	T.....	T.....
$\leftarrow 66 \text{ M} \rightarrow \leftarrow 66 \text{ M} \rightarrow$			
----- 1617 M -----		----- 1617 M -----	

DIGITAL PROCESSING

DATUM : 150 METERS A.S.L. REPLACEMENT VELOCITY : 3200 METERS/SECOND

- ```

1. DEMULTIPLY : OUTPUT AT 2 MSEC. SAMPLING TO 3 SECONDS
2. TRACE EDITING : FROM FIELD MONITORS
3. STATISTICS COMPUTATIONS : WEATHERING STATISTICS FROM FIRST BREAK ANALYSIS
4. TRUE AMPLITUDE RECOVERY : 7 DB/SEC FROM 0 TO 3.0 SECONDS
5. FIRST BREAK NOISE SUPPRESSION
6. DECONVOLUTION : ONE OPERATOR OF 80 MSEC.
 : 1.0 PERCENT WHITE NOISE LEVEL
 : DESIGN GATES: 300 TO 1800 MSEC. NEAR TR
 : 950 TO 2250 MSEC. FAR TR
7. EQUALIZATION
8. RESIDUAL STATICS ANALYSIS : SURFACE CONSISTENT AUTOMATIC STATICS
 : (HSTAC) PLUS TRIM STATICS
9. RELATIVE STATICS + RESIDUAL STATICS ANALYSIS
10. NORMAL MOVEOUT CORRECTION : VELOCITY ANALYSIS FROM VELSCANS
 : (BEFORE AND AFTER AUTOMATIC STATICS)
11. MEAN DATUM STATICS ANALYSIS
12. STACK MUTE : TIME(IN MSEC.) OFFSETS(IN METERS)
 : 50 88
 : 0 284
 : 400 495
 : 1100 1617
13. CDP STACK : 12 FOLD
14. MIGRATION : WAVE EQUATION MIGRATION
 : KIRCHOFF F/X DOMAIN
 : DIP LIMITED
 : 10/20 - 60/70 HZ
15. TIME INVARIANT FILTER
16. TIME VARIANT SCALING : (10 X 100) 200,230,300,500 MSEC. GATES
 : START TIME X 0 MSEC.

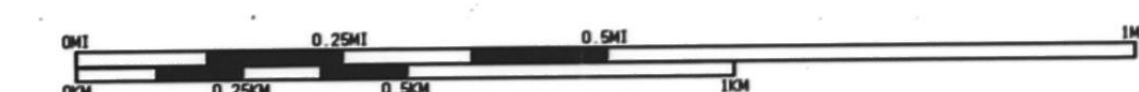
```

DISPLAY POLARITY : REVERSE (PEAK ON DISPLAY REPRESENTS  
NEGATIVE NUMBER ON TAPE)

## DISPLAY

HORIZONTAL SCALE - 12.0 TR/IN 60.606045  
VERTICAL SCALE - 10.0 IN / SEC  
POLARITY - REVERSE  
TRACE TYPE, BIAS - WTVAR 0.0 PERCENT  
DATUM - 150 M A.S.L.  
DISPLAY UNIT - 0.967619 CM

| DISPLAY GAIN |              |
|--------------|--------------|
| CDP          | ALL          |
| GAIN<br>DB   | TIME<br>MSEC |
| 70.0         | 0            |



21 JUN 1985  
22:31:27



CALGARY LAND 6430

GEOPHYSICAL SERVICE INCORPORATED  
A DIVISION OF TEXAS INSTRUMENTS LTD.

PROCESSING PARTY CHIEF : J. LIKUSKI