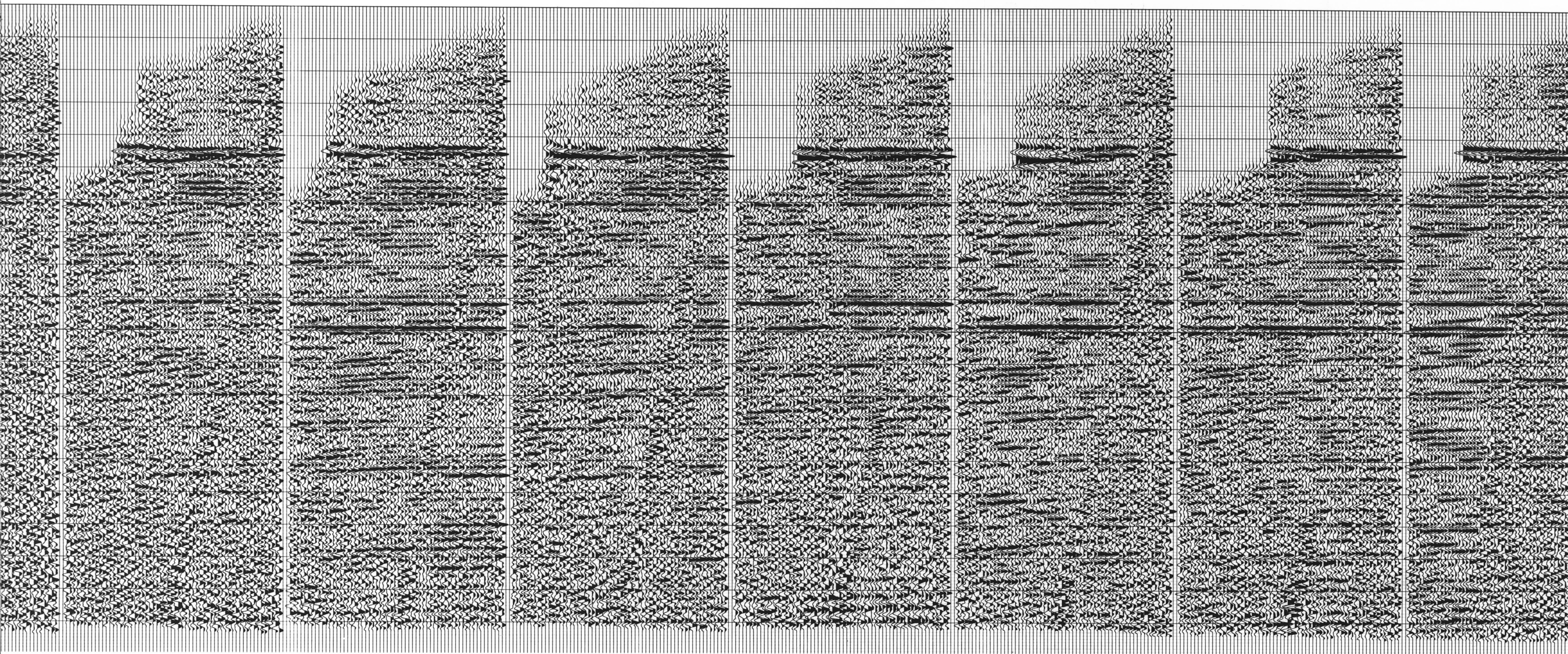




9229 - 020 - 18

**LINE: 85-373**

WESTERN GEOPHYSICAL LTD.  
CALGARY ALBERTA  
PROCESSING DATE: APRIL 1986  
PROCESSED FOR: CANADIAN SUPERIOR OIL LTD.

AREA: CAMERON HILLS  
LINE: 85-373  
S.P.: 101 - 488  
DIR.: EAST - WEST  
NTS GRID: 84 N-13/14  
NTS GRID: 85 C-3/4  
LOCATION: T126 R18-21 W5M+NWT  
POLARITY: NORMAL  
AFE: G3 - 634  
DATUM ELEV.: 750 M  
REF. VEL.: 2250 M/S

COMMON OFFSET STACK

**FIELD PARAMETERS**

SHOT FOR: CANADIAN SUPERIOR OIL LTD.  
SHOT BY: SONIX EXPLORATION LTD.  
DATE: MARCH 1986

**SPREAD**

|                    |                              |
|--------------------|------------------------------|
| SHOOTING DIRECTION | E - W                        |
| FOLD               | 1500Z                        |
| STATION INT.       | 18 M                         |
| SHOT PT. INT.      | 72 M                         |
| SPREAD:            | (TR) 1 60 61 120             |
| DIST:              | (M) 1152 -- 90 X 90 --- 1152 |

**RECEIVER**

|                  |            |
|------------------|------------|
| MAKE/MODEL/TYPE  | OYO / 14HZ |
| NUMBER PER GROUP | 9          |
| SPACING          | 2.25M      |
| ARRAY            | INLINE     |

**SOURCE**

|                   |                       |
|-------------------|-----------------------|
| TYPE              | VIBROSEIS *           |
| VIBRATOR MODEL    | LRS-315               |
| NUMBER OF SOURCES | 3                     |
| DRAG LENGTH       | 7 MOVES OF 5.14 M     |
| SWEEP FREQUENCY   | VARI-SWEEP (8 SWEEPS) |
|                   | 1. 15 - 75 HZ         |
|                   | 2. 20 - 80 HZ         |
|                   | 3. 25 - 85 HZ         |
|                   | 4. 27 - 87 HZ         |
|                   | 5. 30 - 90 HZ         |
|                   | 6. 33 - 93 HZ         |
|                   | 7. 35 - 95 HZ         |
|                   | 8. 40 - 100 HZ        |
| SWEEP LENGTH      | 12 SEC                |

**INSTRUMENTS**

|               |             |
|---------------|-------------|
| MAKE/MODEL    | FT1 - DFS-V |
| RECORD LENGTH | 2 SEC       |
| SAMPLE RATE   | 2 MS        |
| FILTER        | 8 - 128 HZ  |
| NOTCH         | OUT         |
| TAPE FORMAT   | SEG 8       |
| TAPE DENSITY  | 1600 BPI    |

PROCESSED BY: WESTERN GEOPHYSICAL DIVISION OF LITTON INDUSTRIES

**PROCESSING PARAMETERS**

- DEMUTIPLEX  
OUTPUT SAMPLE RATE: 2 MS  
OUTPUT DATA LENGTH: 2 SECONDS
- GEOMETRY  
LINE, PATTERN, SOURCE, ELEVATION STATIC
- AMPLITUDE RECOVERY  
TYPE: SPHERICAL DIVERGENCE
- DEPHASING  
GEOPHONES: 14 HZ 60Z DAMPING
- DECONVOLUTION  
TYPE: PREDICTIVE  
PREDICTION DISTANCE: 12 MS  
OPERATOR LENGTH: 60 MS  
PREWHITENING: 0.1Z  
APPLICATION WINDOW: 0 - 2000 MS  
DESIGN WINDOW (NEAR OFFSET-90 M): 200 - 1200 MS  
DESIGN WINDOW (FAR OFFSET-1152 M): 800 - 1200 MS
- CDP GATHERS
- STATICS  
INTERACTIVE REFRACTION ANALYSIS  
DRIFT AND WEATHERING CORRECTIONS
- VELOCITY ANALYSIS (VELAN®)  
REFERENCED TO SURFACE
- NORMAL MOVEOUT APPLICATION  
REFERENCED TO SURFACE
- AUTOMATIC SURFACE CONSISTENT STATICS (MISER®)  
WINDOW: 350 - 1100 MS  
MAXIMUM SHIFT: +/- 24 MS  
NO. OF ITERATIONS: 3
- RE-ITERATION OF 8 AND 9
- REFLECTION STRENGTH GAIN  
STANDOUT AFTER GAIN: 1.75
- AUTOMATIC TRIM STATICS (C.D.P.)  
WINDOW: 350 - 1100 MS  
MAXIMUM SHIFT: +/- 12MS  
MODEL TRACES: 5 TRACES
- COMMON OFFSET STACK
- FILTER APPLICATION  
TYPE: BANDPASS  
PASSBAND: 18/18 - 60/36 APPLICATION: 0 - 2000 MS
- GAIN (RMS)  
LENGTH OF FIRST GAIN ZONE: 400 MS  
LENGTH OF LONGEST GAIN ZONE: 400 MS  
2000 RMS AMPLITUDE
- DISPLAY SCALE  
HORIZONTAL SCALE: 12 TRACES/INCH  
VERTICAL SCALE: 7.5 INCHES/SEC  
GEOSPACE PLOTTING GAIN: 110B  
1 INCH - 216 METERS

DEC 20 1986

O.C. GEOPHYSICIST: R.E. DIMENT



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Fax: (613) 392-3502

PROJ. NO.

9 2 2 9 - C 2 0 - 1 E

LINE NO.

8 5 - 3 7 3

PART NO.

2 OF 2

R.R. 8X

