

9229-C20-1E

'NORTH'

LINE: 85-368 86-144-9

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

AREA: CAMERON HILLS
LINE: 85-368
S.P.: 461-101
DIR.: SOUTH - NORTH
NTS GRID: 84 N-13/14
LOCATION: 85 C-3/4
POLARITY: REVERSE
AFE: G3 - 634
DATUM ELEV.: 750 M
REF. VEL.: 2250 M/S

STRUCTURAL STACK

FIELD PARAMETERS

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

SPREAD
SHOOTING DIRECTION: S - N
FOLDS: 1500Z
STATION INT.: 18 M
SHOT PT. INT.: 72 M
SPREAD: (TR) 1152 -- 60 61 120
(W) 1152 -- 90 X 90 --- 1152

RECEIVER
MAKE/MODEL/TYPER: DTD / 14HZ
NUMBER PER GROUP: 9
SPACING: 2.25M
ARRAY: IN LINE

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: FTI - DTS-V
RECORD LENGTH: 2 SEC
SAMPLE RATE: 2 MS
FILTER: 8 - 128 HZ
NOTCH: OFF
TAPE FORMAT: SEG B
TAPE DENSITY: 1600 BPI

PROCESSED BY: WESTERN GEOPHYSICAL DIVISION OF LYTON INDUSTRIES

PROCESSING PARAMETERS

- DEMULPLEX
OUTPUT SAMPLE RATE: 2 MS
OUTPUT DATA LENGTH: 2 SECONDS
- GEOMETRY
LINE, PATTERN, SOURCE, ELEVATION STATIC
- AMPLITUDE RECOVERY
TYPE: SPHERICAL DIVERGENCE
- DEPHASING
GEOPHONE: 14 HZ 60Z DAMPING
- DECONVOLUTION
TYPE: PREDICTIVE
PREDICTION DISTANCE: 12 MS
OPERATOR LENGTH: 60 MS
PREWHITENING: 0.15
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
+/- 12MS
- VELOCITY ANALYSIS (VELAN)
REFERENCED TO SURFACE
- NORMAL MOVEOUT APPLICATION
REFERENCED TO SURFACE
- AUTOMATIC SURFACE CONSISTENT STATICS (WISER)
WINDOW: 350 - 1100 MS
MAXIMUM SHIFT: +/- 24 MS
NO. OF ITERATIONS: 3
- RE-ITERATION OF 8 AND 9
- REFLECTION STRENGTH GAIN
STANDARD AFTER GAIN: 1.75
- TRACE MUTE
OFFSET (M): 230 310 900 1100
TIME (MS): 0 300 900 1000
- CDP STACKING
STACKING FOLDS: 1500 Z
- AUTOMATIC TRIM STATICS (C.D.P.)
WINDOW: 350 - 1100 MS
MAXIMUM SHIFT: +/- 12MS
MODEL TRACES: 5 TRACES
- FILTER APPLICATION
TYPE: BANDPASS
PASSBAND: 18/18 - 50/36
FREQUENCY 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
GEOPHASE PLOTTING GAIN: 1100
1 INCH = 210 METERS

O.C. GEOPHYSICIST: R.E. DIMENT

APPROVED BY: [Signature]

DEC 21 1986

Checked by: [Signature]

Checked by: [Signature]



