



2060 Waskany Rd.
Calgary, Alberta T2C 3K5
Tel: (403) 243-9971
Cable: TERPA

PROJ. NO. 9 2 2 9 - C 2 0 - 1 E

LINE NO. 8 5 - 3 7 2

PART NO. 1 OF 2

R.R. 8X

9 2 2 9 - C 2 0 - 1 E

'NORTH'

LINE: 85-372

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

AREA: CAMERON HILLS
LINE: 85-372
S.P.: 425 - 101
DIR.: SOUTH - NORTH
NTS GRID: 84 N-13/14
NTS GRID: 85 C-3/4
LOCATION: T126 R18-21 WSM+NWT
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
FOLD: 1500X
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: IN-LINE

SOURCE
TYPE: VIBROSEIS
VIBRATOR MODEL: LRS-315
NUMBER OF SOURCES: 3
DRAG LENGTH: 7 MOVES OF 5.14 M
SWEEP FREQUENCY: 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 - DPS-V
RECORD LENGTH: 2 SEC
SAMPLE RATE: 2 MS
FILTER: 8 - 128 HZ
NOTCH: OUT
TAPE FORMAT: SEG B
TAPE DENSITY: 1600 BPI

PROCESSED BY: WESTERN GEOPHYSICAL DIVISION OF LITTON INDUSTRIES

PROCESSING PARAMETERS

- DEMULTEPLEX
OUTPUT SAMPLE RATE: 2 MS
OUTPUT DATA LENGTH: 2 SECONDS
- GEOMETRY
LINE, PATTERN, SOURCE, ELEVATION STATIC
- AMPLITUDE RECOVERY
TYPE: SPHERICAL DIVERGENCE
- DEPHASING
GEOPHON: 14 HZ 60X DAMPING
- DECONVOLUTION
TYPE: PREDICTIVE
PREDICTION DISTANCE: 12 MS
OPERATOR LENGTH: 60 MS
PREWHITENING: 0.12
APPLICATION WINDOW: 0 - 2000 MS
DESIGN WINDOW (NEAR OFFSET- 90 M): 200 - 1200 MS
DESIGN WINDOW (FAR OFFSET-1152 M): 600 - 1200 MS
- CDP GATHERS
- STATICS
INTERACTIVE REFRACCTION 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 DRIFT: +/- 24 MS
NO. OF ITERATIONS: 3
- RE-ITERATION OF 8 AND 9
- REFLECTION STRENGTH GAIN
STANDOUT AFTER GAIN: 1.75
- TRACE MUTE
OFFSET (M): 250 310 900 1160
TIME (MS): 0 300 900 1600
- CDP STACKING
STACKING FOLD: 1500 X
- AUTOMATIC TRIM STATICS (C.D.P.)
WINDOW: 350 - 1100 MS
MAXIMUM DRIFT: +/- 12MS
MODEL TRACES: 5 TRACES
- FILTER APPLICATION
TYPE: BANDPASS
PASSBAND: 16/18 - 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
GEOPHASE PLOTTING GAIN: 1158
1 INCH = 216 METERS

G.C. GEOPHYSICIST: R.E. DIMENT

DEC 23 1986



