



2080 Valley Rd.
Calgary, Alberta
T2C 1A5
Tel: (403) 243-9971
Cable: TERRA
PROJ. NO. 9220-1E

LINE NO. 85-371

PART NO. 1 OF 2

R.R. 8X

ENCLOSURE 2F

'NORTH'

LINE: 85-371

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

AREA: CAMERON HILLS
LINE: 85-371
S.P.: 101 - 477
DIR.: NORTH - SOUTH
NTS GRID: 84 N-13/14
LOCATION: T126 R18-21 W5M+NMT
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: N - S
FOLD: 1500X
STATION INT.: 10 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: 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 - OFS-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

1. DEMULTIPLY
OUTPUT SAMPLE RATE: 2 MS
OUTPUT DATA LENGTH: 2 SECONDS

2. GEOMETRY
LINE, PATTERN, SOURCE, ELEVATION STATIC

3. AMPLITUDE RECOVERY
TYPE: SPHERICAL DIVERGENCE
14 HZ 60% DAMPING

4. DEPHASING
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 800 - 1200 MS

5. 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 800 - 1200 MS

6. CDP GATHERS
7. STATICS
INTERACTIVE REFRACTION ANALYSIS
DRIFT AND WEATHERING CORRECTIONS
8. VELOCITY ANALYSIS (VELAN)
REFERENCED TO SURFACE
9. NORMAL MOVEOUT APPLICATION
REFERENCED TO SURFACE
10. AUTOMATIC SURFACE CONSISTENT STATICS (WISER)
WINDOW: 350 - 1100 MS
MAXIMUM SHIFT: +/- 24 MS
NO. OF ITERATIONS: 5
11. RE-ITERATION OF 8 AND 9
12. REFLECTION STRENGTH GAIN
STANDARD AFTER GAIN: 1.75
13. TRACE MUTE
OFFSET (MS): 230 310 900 1160
TIME (MS): 0 350 900 1000
14. CDP STACKING
STACKING FOLD: 1500 X
15. AUTOMATIC TRIM STATICS (C.D.P.)
WINDOW: 350 - 1100 MS
MAXIMUM SHIFT: +/- 12MS
MODEL TRACES: 5 TRACES
16. FILTER APPLICATION
TYPE: BANDPASS
PASSBAND: 18/18 - 60/36 APPLICATION: 0 - 2000 MS
17. GAIN (RMS)
LENGTH OF FIRST GAIN ZONE: 400 MS
LENGTH OF LONGEST GAIN ZONE: 400 MS
2000 RMS AMPLITUDE
18. DISPLAY SCALE
HORIZONTAL SCALE: 12 TRACES/INCH
VERTICAL SCALE: 7.5 INCHES/SEC
GEOSPAC PLOTTING GAIN: 1150
1 INCH = 216 METERS

G.C. GEOPHYSICIST: R.E. DIMENT

