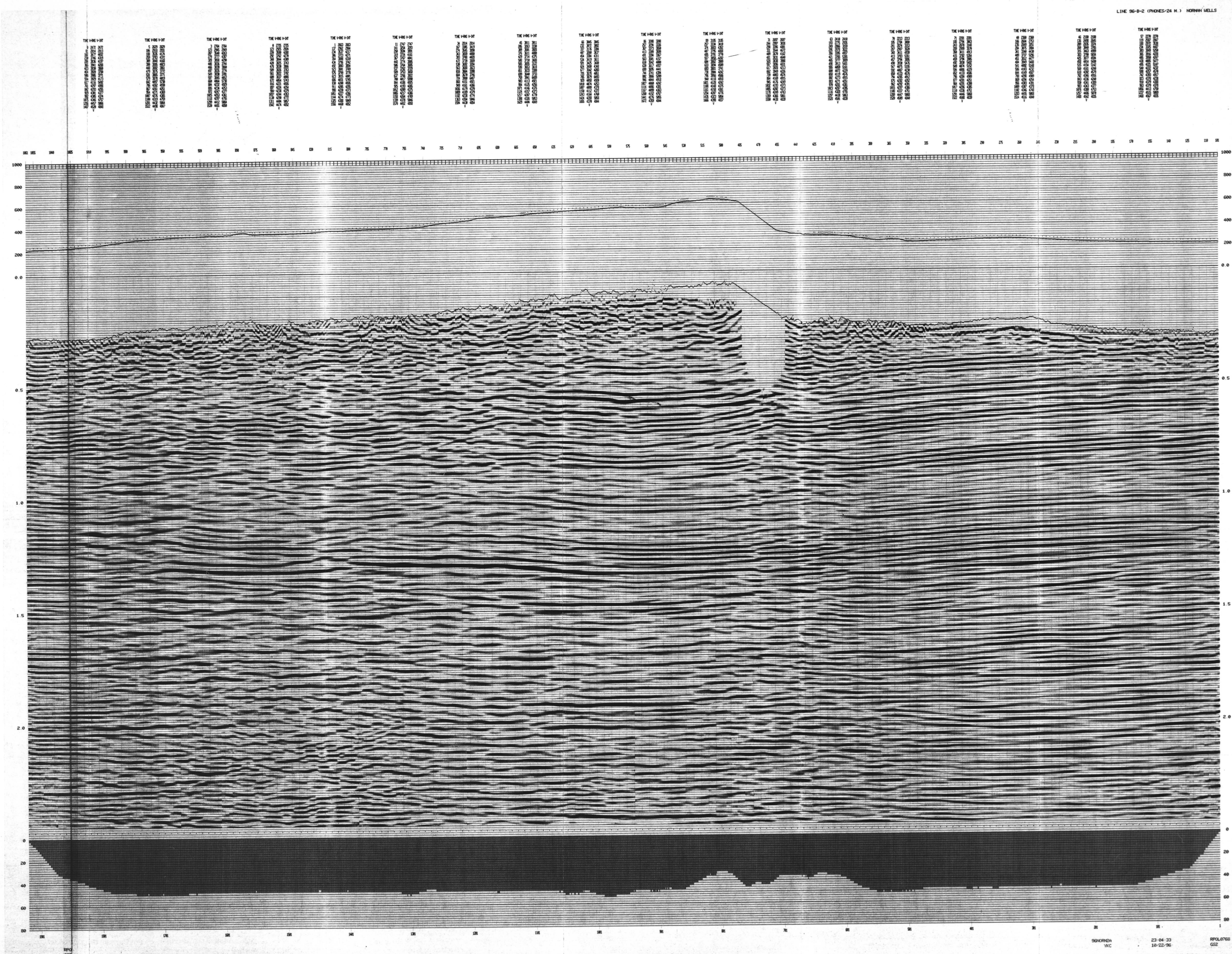




9229-M6-1E
MURPHY
OIL COMPANY LTD.

LINE: 96-B-2 (E58678A)
(ARRAY PHONES)
PROJECT: NORMAN WELLS 96-B
LOCATION: OSCAR LAKE, HACKENZIE
NORTHWEST TERRITORIES
NTS: 96E/7

SP. 1061 NE SP. 101

PRESTACK TIME MIGRATION
PRE-STACK F-X NOISE REDUCTION

POLARITY ☐ NP ☒ RP
FIRST KICK POLARITY ABOVE FOLD BARS, PEAKS ARE POSITIVE NUMBERS

ACQUISITION PARAMETERS

SHOT 97:
DATE: 1996
SPREAD: 788 M. x 788 M.
SOURCE INTERVAL: 24 M.
RECEIVED INTERVAL: 8 M.
ACQUISITION FOLD: 300 X
SOURCE: DYNAMITE ONE HOLE X 2 HO. # 10 M.
RECEIVERS: SENSOR SN-7 14 HZ. 9 OVER 24 M.
INSTRUMENTS: VISION 192 TRACE
TAPE FORMAT: SEC 0
FIELD FILTERS: OUT-412 HZ. NOTCH: OUT
SAMPLE RATE: 1 MS.

PROCESSING PARAMETERS

PROCESSED BY GEO-X
DATE: SEPT. 1996
DEMULTIPLIER: 1 MS. SAMPLE RATE
AMPLITUDE RECOVERY: 1715/215 840.0000
DECONVOLUTION: TYPE: ADAPTIVE 5 COMPONENT
SURFACE CONSISTENT SIGNATURE
WITH 2500 PHASE FREQUENCY
DOMAIN: FREQUENCY
GATE: 250-1500 MS. AT 0 OFFSET
800-1800 MS. 2715 M. OFFSET
NOTE: SYSTEM CONVERTED TO MAXIMUM PHASE

STRUCTURAL CORRECTIONS

DATUM ELEVATION: 750 M.
DATUM VELOCITY: 3500 M./SEC.
PROCESSING DATUM: 0 M.
ELEVATION, WEATHERING, AND DRIFT

NOTE: ALL FOLLOWING TIMES REFERENCED FROM PROCESSING DATUM

ANALYSIS

PRELIMINARY VELOCITIES AND STATICS
STATICS: SURFACE STACK RESIDUAL
TRACE HELLS
VELOCITY ANALYSIS: INTERVAL: 50 COPS
FINAL MOVEOUT

NEAR SCALING

WINDOW: 300-2000 MS.
TIME-VARIANT SCALING: WINDOW: 0-300 MS.
OFFLINE MUTE DISTIN.1: 210 900 2100 2715
TIME(MS.): 350 500-800 1200-1300 1500

STATICS

SURFACE CONSISTENT RESIDUAL
WINDOW: 200-1500 MS.

4-DIMENSIONAL

BLOCK SIZE: 6 SHOTS NTR: 60 X PH: 301
NOISE REDUCTION: FILTER SIZE:
IN FREQUENCY DOMAIN: SNR/TIN/OFFSET/COP = 5/15/21/31
WINDOWS: 10 EQUAL LENGTH, 100 MS. OVERLAP
OPTION: F-X PREDICTION

OFFLINE NEAR SCALING

WINDOW: 300-2000 MS.
OFFLINE MUTE DISTIN.1: 210 900 2100 2715
TIME(MS.): 350 500-800 1200-1300 1500

STATICS

SURFACE CONSISTENT RESIDUAL
WINDOW: 200-1500 MS.

OFFLINE TRACE GATHER

MAXIMUM FOLD: 34
STATICS: COP CROSS CORRELATION
WINDOW: 300-1500 MS.

ON SHOT RECORDS

PRESTACK F-X
TIME MIGRATION: 100% THEORETICAL VELOCITIES
MUTE: DISTANCE (M.): 210 900 2100 2715
TIME(MS.): 350 500-800 1200-1300 1500

NEAR SCALING

WINDOW: 300-2000 MS.

TRACE GATHER

MAXIMUM FOLD: 34

STACK

FILTER

14/18-50/55 HZ.

EQUALIZATION

NEAR WINDOW: 300-2000 MS.
A.G.C.: 400 MS.

DISPLAY PARAMETERS

HORIZONTAL SCALE: 40 TRACES PER INCH
VERTICAL SCALE: 7.5 INCHES PER SECOND