



TIME VSP-G
0 1957
475 2400
895 3000
1315 3600
1915 4200

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1915 4200

LINE NCH-15
S.P. 97-299

EAST

MIGRATED STACK

NORTHCOR ENERGY LTD

CAMERON HILLS



SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY CANADA

DATE PROCESSED
MAY, 1984
G.C. DEBRA BARRON

FIELD RECORDING

DATE SHOT MARCH, 1984
 SHOT BY SEFEL GEOPHYSICAL LTD.
 SOURCE TYPE PARTY NO. 521
 SOURCE PATTERN DYNAMITE
 CHARGE SINGLE HOLE
 GEOPHONE TYPE 2 KG AT 12 M
 GEOPHONE PATTERN MARK L-15 10 HZ
 DATA CHANNELS 9 AT 3.0 M INTERVALS
 GROUP INTERVAL 96
 SHOT POINT INTERVAL 25 M
 SPREAD GEOMETRY 1200-25-X-25-1200 M
 INSTRUMENT TYPE SERCEL 3308
 TAPE FORMAT SEG8
 FIELD FILTER 8/12 - 125/24 HZ/DB
 NOTCH OUT
 SAMPLE INTERVAL 2 MS
 RECORD LENGTH 3 SEC

DIGITAL PROCESSING

1 DEMULTIPLEX WITH GAIN REMOVAL
 PROCESSING SAMPLE RATE 2 MS
 2 GEOMETRY
 3 AUTOMATIC GAIN CURVE APPLICATION
 4 INSTRUMENT PHASE COMPENSATION
 5 GEOPHONE PHASE COMPENSATION
 6 LOW CUT FILTER
 7 SPIKING DECONVOLUTION 8/16 HZ
 OPERATOR LENGTH 60 MS
 OPERATOR DESIGN WINDOW
 MIN OFFSET 100-1500 MS
 MAX OFFSET 750-2150 MS
 PREHITTING 1 PERCENT
 8 HEATHERING CORRECTIONS
 DATUM ELEVATION 750 M ASL
 DATUM VELOCITY 2600 M/SEC
 HEATHERING VELOCITY 610 M/SEC
 9 EQUALIZATION
 10 AUTOMATIC RESIDUAL STATICS
 WINDOW 350-1000 MS
 MAX CORRELATION LAG +-40 MS
 11 VELOCITY ANALYSIS
 12 NORMAL MOVEOUT
 13 AUTOMATIC RESIDUAL STATICS
 WINDOW 450-1200 MS
 MAX CORRELATION LAG +-20 MS
 14 COMMON OFFSET STACK
 15 RESIDUAL NMO
 16 MUTE
 17 STACK 1200 PERCENT
 18 BANDPASS FILTER 8/16-75/95 HZ
 19 EQUALIZATION
 WINDOW 300-1500 MS
 20 TIME DOMAIN WAVE EQUATION MIGRATION
 16 TR/IN
 21 FILM DISPLAY 7.5 IN/SEC
 POLARITY (X) POSITIVE () NEGATIVE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS

