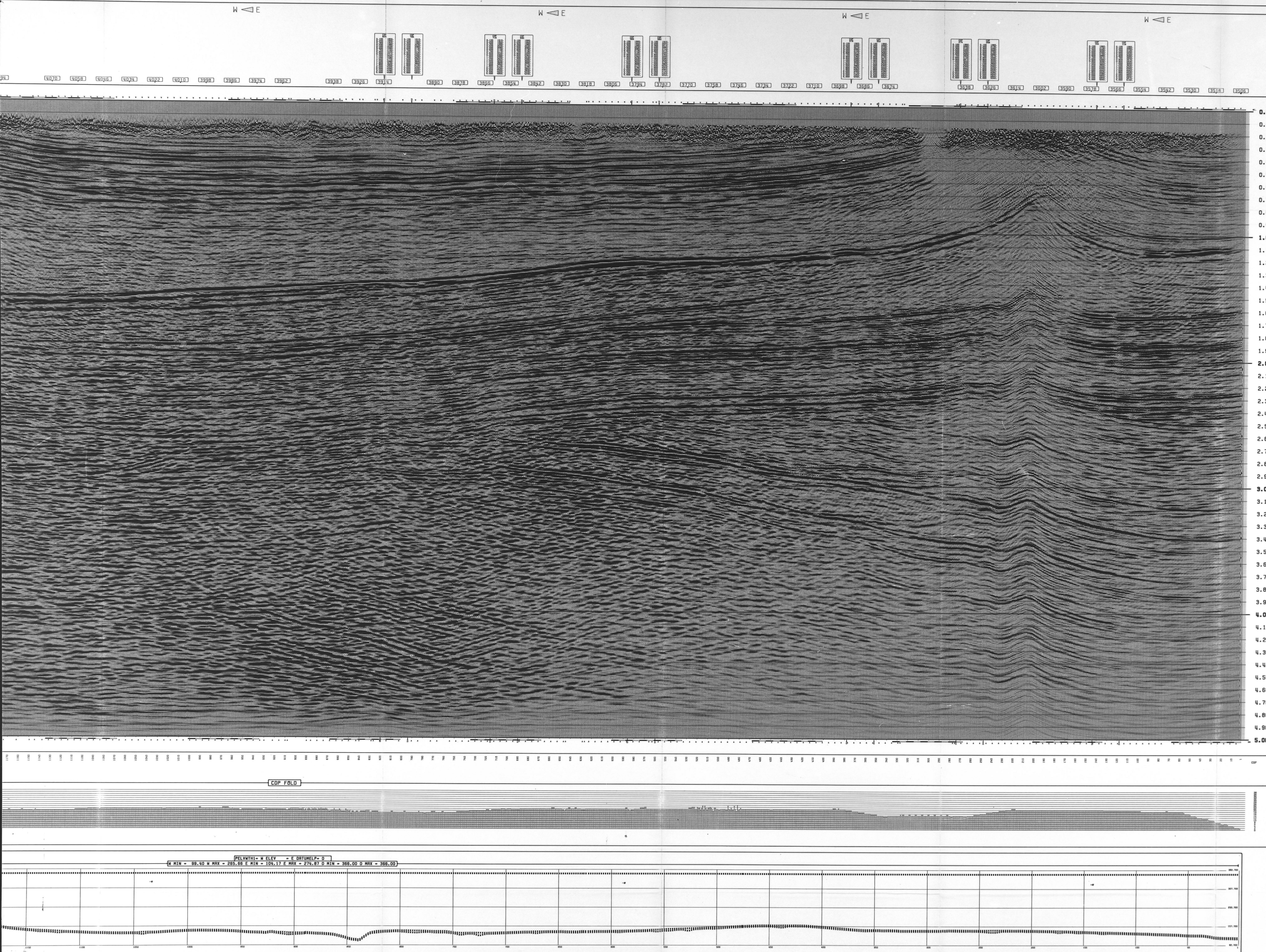

GBMIG TIME

CLIENT CHEVRON CANADA RESOURCES
LINE 36X RUSTY LAKE 9229-C4-10E
AREA 96-C-NW
SHOT POINTS 3503 - 4421 MAY 29 1992
CDP'S 1 - 1819

Chevron Exploration and Production Services Company. CALGARY.

SEG Y HEADER

LINE 36X 96 - C - NW
PROSPECT RUSTY LAKE
PROFILES 3503 - 4421
PROVINCE N.W.T. CANADA
CHEVRON CANADA RESOURCES FRONTIER DIV.
DATE=07-03/1991 CREW=WESTERN RECD NE->SW TR/PRFILE=120 COV= 2000
SPREAD= 1815 - 45 - SP - 45 - 1815 M. SP INT= 90 M. GRP INT= 30 M.
DYNAMITE 1 HOLE 2.0 KILOGRAMS/HOLE HOLE DEPTH= 14 METERS
GEOPHONE TYPE=SM-4 NAT FREQ=14 HZ PHONES/GRP= 9 3.30 M. APART
INST=DFS 5 REC LEN=5 S SI=2 MS FILTER= 8/18-180/72 HZ
NOTCH=OUT TAPE FMT=SEG B

PROCESSING HISTORY

CHESS: FORMAT 00000001(
LOAD CCR DATASET: LDCCRDS 15490310 DPV02R03 1991-04-01 17:38:38(
FORMAT SURVEY: FMCCRSUR 12190222 DPV02R03 1991-04-01 17:42:27(
LOAD SEGTCP DATA: LDSTCP 06590235 DPV02R03 1991-04-01 17:58:12(
FORMAT SEGY DATA: FMSEGY 10090306 DPV02R03 1991-04-01 18:01:27(
FORMAT CCR OBS: FMCCR 14190229 DPV02R03 1991-04-02 17:16:28(
ASSIGN GEOMETRY: TIE 10490340 DPV02R03 1991-04-02 17:19:38(
LINK FILES: LINK R4C003C9 DPV02R03 1991-04-02 17:25:39*
BIN ASSIGNMENT: BIN2D 09491071 DPV02R03 1991-04-02 17:37:51*
WAVELET CONVOLUTION: WAVPLY V2R4 V2P7F201 CHESST 1991-04-03 23:09:39*
AMPLITUDE CORRECTION: AMPCOR V4RC V2P7F201 CHESST 1991-04-03 23:09:39
NUMBER OF SPATIAL LOCATIONS : 1
OFFSET VARYING
SPHERICAL DIVERGENCE CORRECTION:
EXPONENTIAL GAIN CORRECTION : 6.0 DB/S
EMERGENCE ANGLE CORRECTION :
SURFACE VELOCITY: 1890
SURFACE REFLECTION CORRECTION :
SURFACE VELOCITY: 1890
VEL RATIO : 1.67
PHN ARRAY CORR : LINEAR
ARRAY LENGTH : 30.00
CENTRAL FREQUENCY: 40.00

DSSCHS: SETSSI=08090163 TIME=23.50.59 DATE=91.093
SDECON: SURFACE CONSISTENT DECON - NFIL= 1, NCDPS= 1, OFFMIN= 45.0, OFFMAX=
IFIL= 0, FL= 8.0, FH= 60.0, FD= 5.0, INORM= 1, STAB=1.010000(
DECON WINDOW NO. 1 AT CDP= 1.0, TLIVE= 120.0 MS., TGAP= 0.0 MS.
T1=0.30, T2=2.00, A1=0.00, A2=5.00, VT1=0.90, VT2=2.10, VA1=0.00,
DSSCHS: SETSSI=08090163 TIME=17.32.08 DATE=91.101*
BIN2D: BIN2D V2R7 V2P7F201 CHESST 1991-04-11 20:14:55
BIN INTERVAL: 15.00*
SORT: ZORT V2R5 V2P7F201 CHESST 1991-04-11 20:47:02
CDP SORT:*
COPY FIELD STATICS FILE: ICFSTA V2R6 V2P7F201 CHESST 1991-04-11 20:47:06*
STATICS APPLIED: STAT V2RK V2P7F201 CHESST 1991-04-11 20:47:07
FIELD STATICS
DATUM SHIFT(
NUMBER OF SPATIAL LOCATIONS: 2 (ONLY FIRST TWO LOCATIONS SHOWN)
CDP: 1. DATUM SHIFT: -0.175
CDP: 1819. DATUM SHIFT: -0.080*
NORMAL MOVEOUT REMOVAL: NMOR V4R4 V2P7F201 CHESST 1991-04-11 20:47:11
NMO REMOVAL BY DIX NMO FORMULA
NUMBER OF SPATIAL LOCATIONS: 12
(TIME, STACKING VELOCITY) PAIRS AT
CDP 144:
(0.000, 2070), (0.100, 2070), (0.200, 2100), (0.300, 2160),
(0.400, 2240), (0.500, 2310), (0.600, 2410), (0.700, 2540),
(0.800, 2670), (0.900, 2820), (1.000, 2960), (1.200, 3140),
(1.400, 3270), (1.600, 3310), (1.800, 3350), (2.000, 3390),
(2.500, 3450), (3.500, 3550), (5.000, 3700)*
FIRST BREAK MUTE: MUTE V3RD V2P7F201 CHESST 1991-04-11 20:47:15
MUTE APPLY: YES
TIME-OFFSET: 0.000- 0., 0.000- 405., 0.380- 415.,
0.900- 1815.,*
SPECTRAL WHITENING: CALFIL V1R9 V2P7F201 CHESST 1991-04-11 20:47:21
NUMBER OF FILTERS: 8
NUMBER OF FILTER POINTS: 99 FILTER WIDTH: 10.00 HZ
FIRST FREQUENCY: 15.00 HZ FREQUENCY INC: 10.00 HZ
OPERATOR LENS : 0.400 0.400 0.400 0.400 0.400 0.400 0.400 0.400*
NORMAL MOVEOUT RESTORATION: NMOR V4R4 V2P7F603 CHESST 1991-04-27 00:32:56
NMO RESTORATION BY DIX NMO FORMULA
NUMBER OF SPATIAL LOCATIONS: 12
(TIME, STACKING VELOCITY) PAIRS AT
CDP 144:
(0.000, 2070), (0.100, 2070), (0.200, 2100), (0.300, 2160),
(0.400, 2240), (0.500, 2310), (0.600, 2410), (0.700, 2540),
(0.800, 2670), (0.900, 2820), (1.000, 2960), (1.200, 3140),
(1.400, 3270), (1.600, 3310), (1.800, 3350), (2.000, 3390),
(2.500, 3450), (3.500, 3550), (5.000, 3700)*
NORMAL MOVEOUT REMOVAL: NMOR V4R4 V2P7F603 CHESST 1991-04-27 00:32:57
NMO REMOVAL BY DIX NMO FORMULA
NUMBER OF SPATIAL LOCATIONS: 22
(TIME, STACKING VELOCITY) PAIRS AT
CDP 118:
(0.100, 1960), (0.200, 2060), (0.300, 2120), (0.400, 2200),
(0.500, 2320), (0.600, 2460), (0.700, 2600), (0.800, 2670),
(0.900, 2830), (1.000, 3000), (1.200, 3630), (1.400, 4200),
(1.500, 4350), (1.600, 4440), (1.800, 4520), (2.000, 4600),
(2.500, 5020), (3.500, 5870), (5.000, 6100)*
COPY RESIDUAL STATICS FILE: ICFSTA V2R6 V2P7F603 CHESST 1991-04-27 00:33:03*
STATICS APPLIED: STAT V2RK V2P7F603 CHESST 1991-04-27 00:33:03
MULTIPLEX SCAN CORRECTION
RESIDUAL ASK STATICS*
FIRST BREAK MUTE: MUTE V3RD V2P7F603 CHESST 1991-04-27 00:33:05
MUTE APPLY: YES
TIME-OFFSET: 0.000- 0., 0.000- 405., 0.380- 415.,
0.900- 1815.,*
STACK: STACK V5R6 V2P7F603 CHESST 1991-04-27 00:33:13
TYPE: MEAN STACK*
DISK OUTPUT: DISKOT V4R1 V2P7F603 CHESST 1991-04-30 17:47:16
PERMANENT DATASET: CALGRY.V27.PSQ86264.STACK.V623601*
SPECTRAL WHITENING: CALFIL V1R9 V2P7F603 CHESST 1991-04-30 17:47:17
NUMBER OF FILTERS: 9
NUMBER OF FILTER POINTS: 99 FILTER WIDTH: 10.00 HZ
FIRST FREQUENCY: 15.00 HZ FREQUENCY INC: 10.00 HZ
OPERATOR LENS : 0.400 0.400 0.400 0.400 0.400 0.400 0.400 0.400 0.400
DSSCHS: SETSSI=08090163 TIME=18.43.55 DATE=91.120
SPPRED: TMIN= 0.10 S, TMAX= 5.00 S, NXA= 60, NXT= 30, TA= 400 MS, TT= 100 MS,
NPF= 5, ITTYPE= 0, FMIX= 1.00, IBURG= 1, ITTAP= 0, FMIN=10, FMAX=100
IWHITE= 0, FSMOTH= 0.0 HZ, IFKFIL= 0, DIPMIN= 0.0 MS/TR, DIPMAX= 0.0
CREAM: 08584179 91.276 18.04.39
DATA RESAMPLED FROM 2.00000 MS. TO 4.00000 MS.
SPPRED: TMIN= 0.20 S, TMAX= 5.00 S, NXA=100, NXT= 25, TA= 500 MS, TT= 120 MS,
NPF= 10, ITTYPE= 0, FMIX= 1.00, IBURG= 1, ITTAP= 0, FMIN= 0, FMAX=100
IWHITE= 0, FSMOTH= 0.0 HZ, IFKFIL= 1, DIPMIN= 6.0 MS/TR, DIPMAX= 9.0
BALANS: SETSSI=17085207 TIME=10.14.56 DATE=92.021
&BALANS NZONE =1,T1=0.25,2.0,
&END
TAPERS: SETSSI=15585106 TIME=10.15.53 DATE=92.021
SPATIAL AND TEMPORAL HANNING WINDOWS APPLIED
NTRS= 0 , 0 NSAMP= 100
GBMIG SETSSI= **TIME=10:** 4:27 DATE=92023
GAUSSIAN BEAM DEPTH MIGRATION
DZ = 5.00, ZMAX = 15000.0, TMAX = 5.000
WIDTH = 612.9, AG = 0.71, EXPLDREF = T<
THETA1 = 70.0, THETA2 = 85.0 THETA3 = 80.0, THETA4 = 90.0<
F1 = 4.0, F2 = 10.0 F3 = 80.0, F4 = 100.0
DSSCHS: SETSSI=16591169 TIME=18.44.17 DATE=92.0354
FILTER: FRFILT V2R7 V2P9F004 CHESST 1992-02-05 17:10:50
TYPE: BANDPASS PHASE: ZERO
LOW CUT SLOPE: 36
HIGH CUT SLOPE: 72
CDP TIME LOW CUT ATTENUATION HIGH CUT ATTENUATION
1 0.00 10.00 40. 80.00 40.
SECONDARY STREAM HISTORY: V2P9F004 CHESST 1992-02-05 17:13:18
AMPLITUDE SCALING CALCULATION: SCALEC V1RE V2P9F004 CHESST1992-02-05 17:10:50
TYPE: MEAN ABSOLUTE AMPLITUDE
BEGIN TIME: 0.400
END TIME: 3.200
END SECONDARY STREAM HISTORY: V2P9F004 CHESST 1992-02-05 17:13:19
AMPLITUDE SCALING: SCAPLY V2R8 V2P9F004 CHESST 1992-02-05 17:13:19
SCALING TRACE FROM: SCALEC
STATICS APPLIED: STAT V2RN V2P9F004 CHESST 1992-02-05 17:13:20
DATUM SHIFT
NUMBER OF SPATIAL LOCATIONS: 2 (ONLY FIRST TWO LOCATIONS SHOWN)
CDP: 1. DATUM SHIFT: 0.175
CDP: 1819. DATUM SHIFT: 0.080
DISK OUTPUT: DISKOT V5R4 V2P9F004 CHESST 1992-02-05 17:13:20
PERMANENT DATASET: CALGRY.V29.P89KP8W.GBMIGT.V623699

COMMENTS

**** DATA RESAMPLED AFTER FIRST SPPRED TO 4 MS ****

PERMANENT DATA SETS ......

$55V.V27.PSQ86264.DP.V623601 ....(EDITOR)
CALGRY.V27.PSQ86264.STATICS.V623601 ....(STATICS FILE)
CALGRY.V27.PSQ86264.STACK.V623601 ....(FINAL STACK)
CALGRY.V29.P89KP8W.GBMIGT.V623699 ....(POST STACK GBMIG FLOATING DATUM REMOVED)

UPSHOT FIELD STATICS APPLIED ......

DATUM .... 366 METERS
WEATHERING VELOCITY .... 700 METERS PER SECOND
REPLACEMENT VELOCITY ...... 3048 METERS PER SECOND

TWENTY-TWO NMOR BRUTE VELOCITY FUNCTIONS USED ......

FLOATING DATUM APPLIED

CDP 1 DATUM SHIFT .... -0.175
CDP 1819 DATUM SHIFT .... -0.080

FLOATING DATUM REMOVED

CDP 1 DATUM SHIFT 0.175
CDP 1819 DATUM SHIFT 0.080

PRE-STACK PROCESSING BY .... GARY SCHEIFELE
POST-STACK PROCESSING BY .... GARY SCHEIFELE
PROCESSED FOR .... DAVE DALLEY

DISPLAY (CHSPLT)

CHSPLT: V4R9 **PLOT DIRECTION:** RIGHT TO LEFT
TRACES PER IN.: 24.00 **IN. PER SECOND:** 5.00
TRACE AMPLITUDE: 2.200000 **TRACE MODE:** WIVA
TRACES PER CLIP/PER PEAK: 1.00/ 1.00 **BLACKNESS / BIAS:** 6/ 0.00
AUTO FACTOR (DB.): +0.0 **ANTENNA SHIFT (TRACES):** +0.0

SIGNATURES

SUPERVISOR('S)
SEISMOLOGIST('S)
TECHNICIAN('S)

CONFIDENTIAL & PROPRIETARY TECHNOLOGY

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USER I.D. DATE TIME	1992-02-05 17:13:58	ORIENTATION 262.60

terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Fax: (613) 731-0453

PROJ. NO. 9229-C4-10E

LINE NO. 36X

PART NO. 1 OF 2

R.R. 10X

GBMIG TIME

CLIENT	CHEVRON CANADA RESOURCES
LINE	36X RUSTY LAKE
AREA	96-C-NW
SHOT POINTS	3503 - 4421
COP'S	1 - 1819

Chevron Exploration and Production Services Company.

SEG Y HEADER

```
LINE:36X 96 - C - NW
PROFILE1 RUSTY LAKE
PROFILE2 3503 - 4421
PROJNAME  N.A.  CANADA
CHEVRON CANADA RESOURCES/TRANSIER DIV.
SPREAD: 1819: LS: 1- SP: 1819 R.P. 1819 NO.NE:-36 IR/PRFILE=120 COV= 2000
SPREAD: 1819: LS: 1- SP: 1819 R.P. 1819 INT= 30 M. SRP INT= 30 M.
DYNAMITE : HOLE     0.0 KILOGRAMS/HOLE  HOLE DEPTH= 14 METERS
DYNAMITE : TYPE:DM-N  REC.GEOPHONE:GS-11 6 PER GROUP  GROUP W. 6PORT
TEST-UP:5 TYPE:DM-N  REC LEN=5.0 SIZ=2 WD FILTER= 8Z18-180/32 HZ
NOTCH-OUT  TAPE FMT-SEG B
```

PROCESSING HISTORY

```
CHESS
LOAD CCP DATASET
TRANSIT SURVEY
LOAD STATIC DATA
FORMAT SEG B DATA
TRANSIT SURVEY
ASSIGN GEOMETRY
LINE FILES
RIM POSITIONING
MINIMUM PHASE
DECONVOLUTION
AMPLITUDE CORRECTION
DESPIKE
DESTRIP
DESTRIP
DESTRIP
DESTRIP
COPY FIELD STATICS FILE
STATICS APPLIED
NORMAL MOVEOUT REMOVAL
FIRST TRACE MUTE
SPECTRAL WHITENING
NORMAL MOVEOUT RESTORATION
NORMAL MOVEOUT REMOVAL
COPY STATICS FILE TO MERGE FILE
STATICS APPLIED
FIRST BREAK MUTE
STACK
DISK OUTPUT
SPECTRAL WHITENING
DESPIKE
DESTRIP
DESPIKE
DESTRIP
DESTRIP
TAPEGEN
GBMIG SETSS:                    TIME=10
        DESPIKE
        DESTRIP
SECONDARY STREAM HISTORY
AMPLITUDE SCALING CALCULATION
END SECONDARY STREAM HISTORY
MANUAL SCALING
STATICS APPLIED
DISK OUTPUT
```

COMMENTS

```
**** DATA RESAMPLED AFTER FIRST SPRED TO 4 MS ****
PERMANENT DATA SETS .....
        XSTA.V27.P0SRSDAGP.V6230G1 ..............( COLTOR )
        CRLCAT.V27.P0SRSDAG.STATICS.V6230G1 .....( STATICS FILE )
        CRLCAT.V27.P0SRSDAG.STACK.V6230G1 .......( FINAL STACK )
        CRLCAT.V29.P0SRPS4.GBMIGT.V6230S9 .......( POST STACK GBMIG
                                                   FLOATING DATUM
                                                   REMOVED )
UPSHOT FIELD STATICS APPLIED .....

        DATUM ..................... 366 METERS
        WEATHERING VELOCITY ....... 700 METERS PER SECOND
        REPLACEMENT VELOCITY ...... 3048 METERS PER SECOND

TWENTY-TWO NMOR BRUTE VELOCITY FUNCTIONS USED .....

FLOATING DATUM APPLIED

        COP 1 ..          DATUM SHIFT .... -0.175
        COP 1819          DATUM SHIFT .... -0.080
FLOATING DATUM REMOVED

        COP 1             DATUM SHIFT .... 0.175
        COP 1819          DATUM SHIFT .... 0.080

PRE-STACK PROCESSING BY ........ GARY SCHIEFELE
POST-STACK PROCESSING BY ....... GARY SCHIEFELE
PROCESSED FOR ..................DAVE DALLEY
```

DISPLAY (CHSPLT)

CHSPLT:	V4R0	PLOT DIRECTION:	RIGHT TO LEFT
TRACE PER IN.:	24.00	DELTA PER SECOND:	0.00
TRACE WRIGGLE:	2.00	DISPLAY SECONDS:	6.00
TRACES PER CLIP/PER PERM.:	1.000/0.00	BLACKNESS:	64
MUTE FACTOR: SGL.:	+0.0	ANTENNA SHIFT (TRACES):	+0.0

SIGNATURES

SUPERVISOR:"SV
SEISMOLOGIST:"SV
TECHNIC[INST:"S

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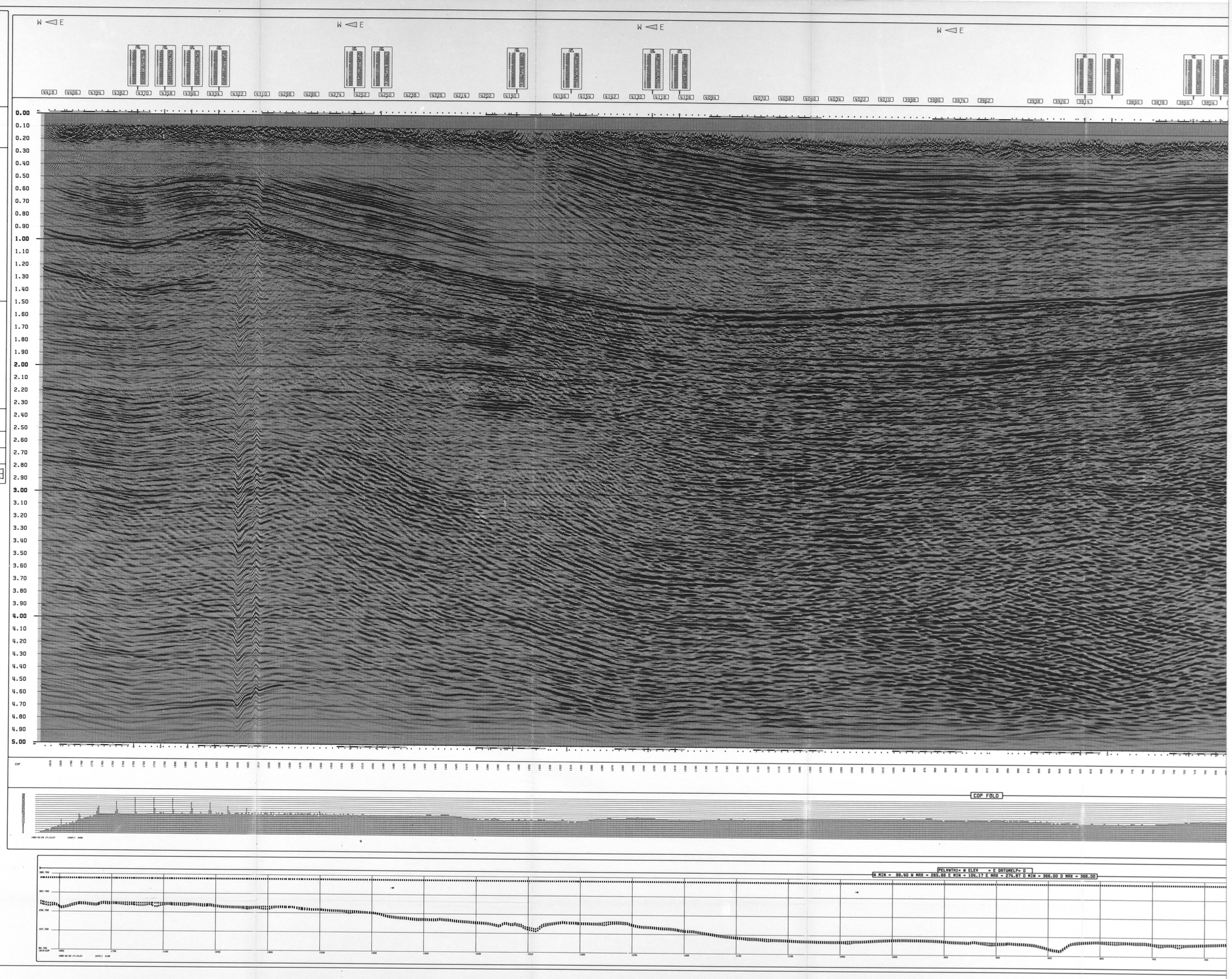
USER I.D.		ORIENTATION	
DATE	1992-02-05	262.60	
TIME	17:13:57		



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Fax: (613) 731-0453

PROJ. NO. 92 29 - C4 - 10E

LINE NO. 36X

PART NO. 2 OF 2

R.R. 10X