explor

POST STK K MIG FILTERED SCALED

LINE: CVL04
PROSPECT NAME: SAHTU 2008 2D
STATIONS: SP 101 (NW) ... SP 9653 (SE)
LOCATION: N/A
DATUM: 450 M ASL
UTM: 10
R.V.: 4000 M/S

DATE PROCESSED: MAY 2008 DATE SHOT: MARCH 2008
SHOT BY: CGGVERITAS
SHOT FOR: EXPLOR

FIELD PARAMETERS

SOURCE:
TYPE: VIBROSEIS
LAYOUT: 3 VIBS. / TOTAL DRAG = 30 M
CHARGE/DEPTH: 2 KG / 8 M

SPREAD GEOMETRY:
COVERAGE: 20000%
SPREAD TRACE: 1 400 S/P 401 800
DISTANCE: 3995 5 0 5 3995 M
GROUP INTERVAL: 10 M
SOURCE INTERVAL: 20 M
NUMBER OF GROUPS: 9554

RECEIVERS:
TYPE: SERCEL 428 DSU3
LAYOUT: 1 GEOPHONE

RECORDING UNIT:
INSTRUMENT: SERCEL 428
FIELD FILTER: OUT - 0.8 MIN. PHASE HZ
TAPE FORMAT: SEG-D
RECORD LENGTH: 12 SEC.
SAMPLE RATE: 2 MS

CGGVERITAS

PROCESSING PARAMETERS

1 DEMULTIPLEX/REFORMAT

2 GEOMETRY
TYPE: CROOKED

3 MANUAL TRACE EDITS

4 STRUCTURE STATICS
ANALYSIS METHOD: TOMO
DATUM ELEVATION: 450 M ASL
REPLACEMENT VELOCITY: 4000 M/S
WEATHERING VELOCITY: 950 M/S
APPLICATION: SURFACE CONSISTENT SHORT WAVELENGTH COMPONENT ONLY

5 DATA INTEGRATION

6 AMPLITUDE RECOVERY
TYPE: T-SQUARE FUNCTION
[illegible]

7 NOISE ATTENUATION
TYPE: COHERENT NOISE ATTENUATION
TYPE: HIGH AMPLITUDE NOISE SUPPRESSION

8 SURFACE CONSISTENT SCALING
FREQUENCY: 10/15 - 50/65 HZ

9 DECONVOLUTION - SURFACE CONSISTENT
OPERATOR LENGTH: 120 MS
PREWHITENING: 1 %
DESIGN GATE: 100 1000 2200 4200 MS
0 4000 M

10 TRACE GATHER - FULL FOLD

11 PRELIMINARY VELOCITY ANALYSIS - DOUBLE SQUARE ROOT NORMAL MOVEOUT
TYPE: CVS
REFERENCE: DATUM

12 STATICS - AUTOMATIC SURFACE CONSISTENT (1)
WINDOW: SPATIALLY VARIABLE
FILTER: 10/15-30/40 Hz.
MAX. STATIC: +/- 40 MS

13 NOISE ATTENUATION
TYPE: SHOT DOMAIN REVOKE

14 SURFACE CONSISTENT SCALING
FREQUENCY: 10/15 - 80/100 Hz

15 SECOND VELOCITY ANALYSIS - DOUBLE SQUARE ROOT NORMAL MOVEOUT
TYPE: CVS
REFERENCE: DATUM

16 STATICS - AUTOMATIC SURFACE CONSISTENT (2)
WINDOW: SPATIALLY VARIABLE
FILTER: 8/12-40/50 Hz.
MAX. STATIC: +/- 30 MS

17 NOISE ATTENUATION
TYPE: SHOT DOMAIN REVOKE

18 THIRD VELOCITY ANALYSIS - DOUBLE SQUARE ROOT NORMAL MOVEOUT
TYPE: CVS
REFERENCE: DATUM

19 STATICS - AUTOMATIC SURFACE CONSISTENT (3)
WINDOW: SPATIALLY VARIABLE
FILTER: 8/12-50/70 Hz.
MAX. STATIC: +/- 30 MS

20 FINAL VELOCITY ANALYSIS - DOUBLE SQUARE ROOT NORMAL MOVEOUT
TYPE: CVS
REFERENCE: DATUM

21 STATICS - AUTOMATIC SURFACE CONSISTENT (4)
WINDOW: SPATIALLY VARIABLE
FILTER: 8/12-80/110 Hz.
MAX. STATIC: +/- 30 MS

22 NORMAL MOVEOUT CORRECTION FROM SURFACE

23 STATICS - CDP TRIM
DESIGN WINDOW: SPATIALLY VARIABLE
DESIGN FILTER: 10/15 - 100/125 Hz
MAX. STATIC: +/- 20 MS

24 FIRST BREAK MUTE
DISTANCE: 44, 78, 142, 187, 204, 398 M
TIME: 0, 38, 100, 138, 180, 385 MS

25 TRACE SCALING - AGC
LENGTH: 200ms

26 STACK - FULL FOLD

27 LONG WAVELENGTH STATICS

28 POST STK K MIG
SMOOTHED STACK VELS - 100%
DIP: 80-70 DEG.
ALIAS: 75 %

29 TIE PARAMETERS - LINE CVL-03 USED AS A REFERENCE
STATIC SHIFT = -8 MS
PHASE ROTATION = 10 DEGREES

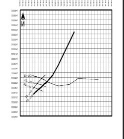
30 TRACE SCALING - OVERLAPPING MEAN
WINDOW LENGTH: 500 MS
OVERLAP: 50 %

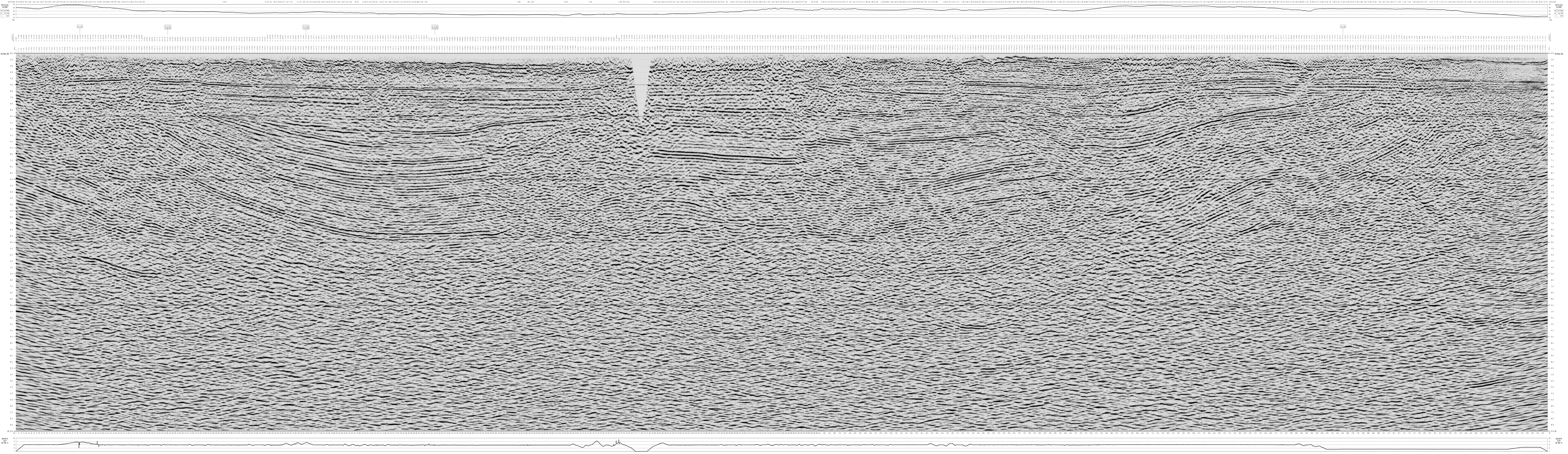
31 FILTER - BANDPASS
FREQ = 5/10-80/100, 5/10-60/80, 5/10-45/60 HZ
TIME = 0-1000, 1000-2000, 2000-6000MS

DISPLAY PARAMETERS

HORIZONTAL SCALE 25.4/25.4 TPI - EVERY 4th TRACE PLOTTED (1:20,000)
VERTICAL SCALE 4.75 INCHES PER SECOND

WARNING:
IF THIS DATA IS EVER REPROCESSED EXPLOR MUST BE
PROMINENTLY IDENTIFIED AS THE RIGHTFUL OWNER
ON ALL TAPES, SECTIONS, MAPS, ETC. THIS DATA
MUST NOT BE USED, TRANSFERRED, SOLD OR
OTHERWISE REPRODUCED WITHOUT LICENSED
PERMISSION FROM EXPLOR.



7 AUG 2008