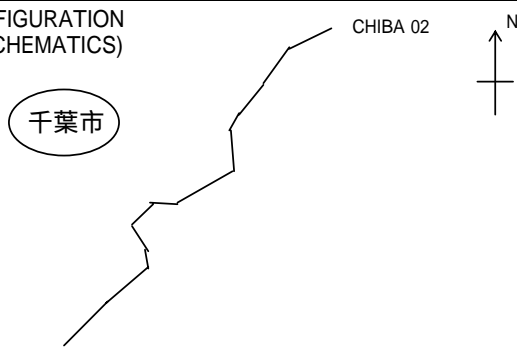
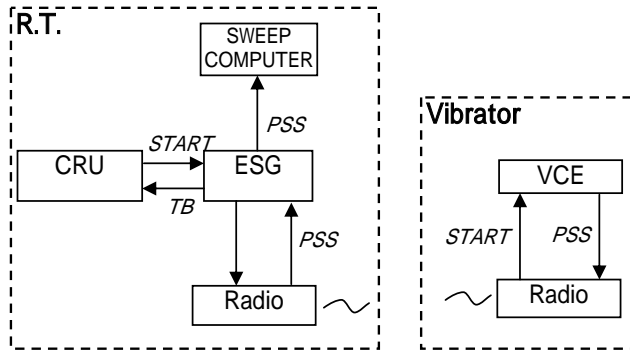
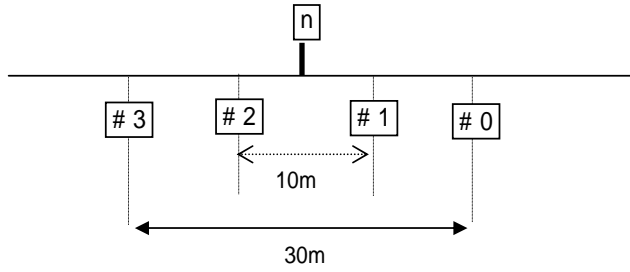
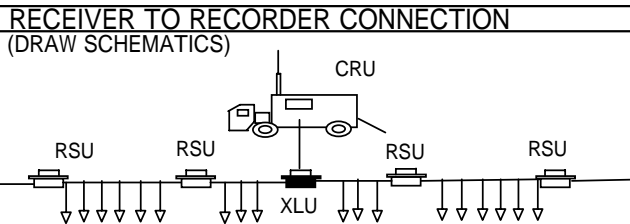
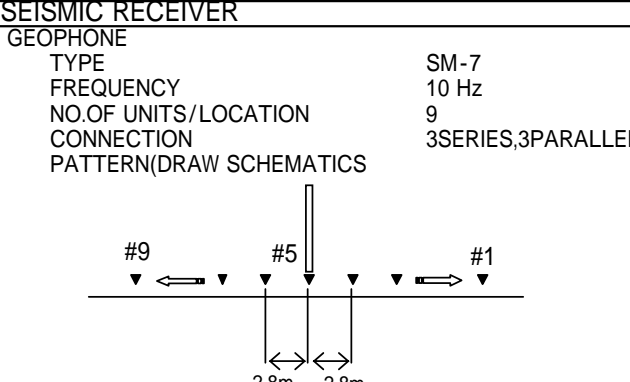


# SEISMIC OBSERVER'S REPORT FORM-A



JAPEX GEOSCIENCE INSTITUTE, INC.

<b>LINE</b>	CHIBA 02	<b>PROSPECT</b>	千葉県地下構造調査02	<b>AREA</b>	千葉県市原市、千葉市 佐倉市、八街市	<b>CLIENT</b>	千葉県	<b>CREW NO.</b>	JGI	<b>OBSERVER</b>	S.NAKAMURA	<b>OBSERVER DATE:</b>	2002Y 9M 6D ~ 2002Y 9M 17D
<b>GENERAL</b>				<b>AUX.CH.CONTENTS</b>				<b>FIELD SUMMATION AND X-CORRELATION</b>					
LINE CONFIGURATION (DRAW SCHEMATICS) 				VIBROSEIS DYNAMAITE AUX CH. 1 CLOCK TB AUX CH. 2 RADIO VIB. AUX CH. 3 RADIO REF. AUX CH. 4 (Filtered) REF. SWEEP CORR. AUX CH. 5 (Filtered) REF. SWEEP				NO.OF SUMMATION(STANDARD) 5 or 10 or 20 N/E WINDOW LENGTH (ms) 4000 N/E OVERLAP LENGTH (ms) 2000 SUPPRESSION FACTOR 1 MINIMUM PHASE CONVERSION NO X-CORR. AFTER STACK					
FIRST AND LAST VP. NO. VP.4 ~ VP.1120, VP.3001 ~ VP.3006 TOTAL LINE Km. SHOT TO SHOT 27.975 Km TOTAL LINE Km. RECEIVER TO RECEIVER 28.025 Km TOTAL SHOT POINTS 190 VP  TOTAL RECEIVER LOCATIONS 1122 ch AVERAGE SHOT POINT INTERVAL 150 m RECEIVER INTERVAL 25 m STANDARD CDP FOLD % NO. OF CH./EACH LINE/SHO 300 Ch/CHIBA 02				<b>SEISMIC SOURCE</b> TYPE OF SOURCE VIBRATOR Type Y-2400 (IVI) NO. OF SOURCE/SHOT(STANDARD) 4 (standard) FORCEOUT 90% (standard) VIBROSEIS SWEEP(STANDARD) FREQUENCY 8 ~ 50Hz LENGTH 8 SEC TAPER(START/END) 0.3 SEC SWEEP TYPE LINEAR (UP SWEEP)				<b>TIME BREAK AND UP HOLE TIME DETECTION</b> R.T. 					
<b>SEISMIC RECORDING</b> INSTRUMENT * GDAPS-4a RECORDING SYSTEM (JGI) * Pelton ESG,VCE * SWEEP COMPUTER				TYPICAL SOURCE ARRAY PATTERN 				<b>RECEIVER TO RECORDER CONNECTION</b> (DRAW SCHEMATICS) 					
<b>RECORDING</b> SAMPLE RATE 4 msec RECORD LENGTH 8 sec NOTCH FILTER - Hz OUT LOW CUT FILTER - Hz DB/OCT HIGH CUT FILTER - Hz DB/OCT PRE.AMP.GAIN SAME 30 dB DECIMMATION FILTER(VIBRATOR) LINEAR PHASE				TYPE OF SOURCE NO.OF HOLES or SOURCES/SHOT AVERAGE CHARGE SIZE/SHOT AVERAGE SOURCE DEPTH TYPICAL SOURCE PATTERN(DRAW SCHEMATICS)				<b>SEISMIC RECEIVER</b> GEOPHONE TYPE SM-7 FREQUENCY 10 Hz NO.OF UNITS/LOCATION 9 CONNECTION 3SERIES,3PARALLEL PATTERN(DRAW SCHEMATICS) 					
<b>TAPE FORMAT</b> TYPE 3490E CARTRIDGE TAPE TAPE FORMAT SEG-Y FIELD TAPE REEL NUBER OF THIS LINE REEL No. 1,4				REMARKS									