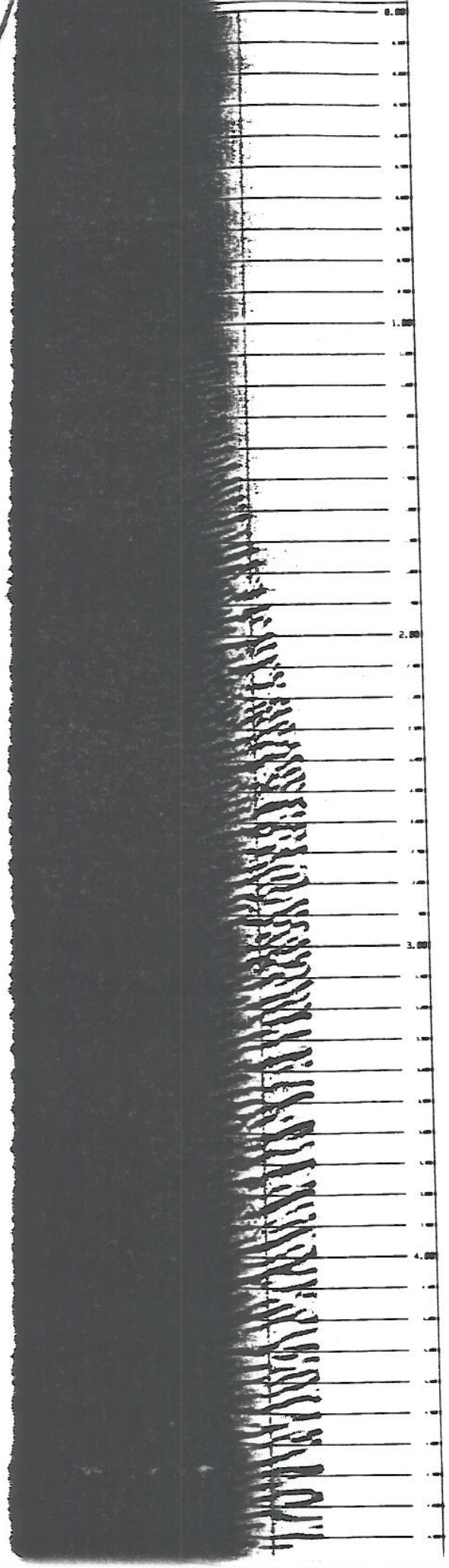


PROSPECT: EEL RIVER

LOCATION: OFFSHORE NORTHERN CALIFORNIA

PERMIT #: CAL 87-492

NOTICE

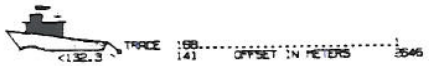
PROPRIETARY DATA - DO NOT SELL OR TRADE

RECORDING PARAMETERS

DATE	:NOVEMBER 1987	CABLE	:168 CHANNELS
ACQUIRED BY	:G.S.I.	TYPE	:STREAMER
BOAT	:INDIAN SEAL	LENGTH	:2528 METERS
DIRECTION SHOT	:219.4 DEG.	DEPTH	:9 +/- 2 METERS
ENERGY SOURCE	:AIR GUN	NEAR OFFSET	:141 METERS
ARRAY VOLUME	:3300 CU.INS.	FAR OFFSET	:2646 METERS
ARRAY PRESSURE	:1950 P.S.I.	RECORDING INSTRUMENT	:TSR
GUN DEPTH	:7.3 METERS	DATA LENGTH	:5 SEC.
S.P. INTERVAL	:32 METERS	SAMPLE RATE	:2 MS.
FORMAT	:SEGD	FILTER :	8 HZ.18 DB/OCT 128 HZ.72 DB/OC

POLARITY :COMPRESSIONAL WAVE RECORDED AS A NEGATIVE NUMBER

SHOT-CABLE CONFIGURATION :



PROCESSING PARAMETERS

PROCESSING PARAMETERS DETERMINED IN CONJUNCTION WITH JEBCO SEISMIC INC.

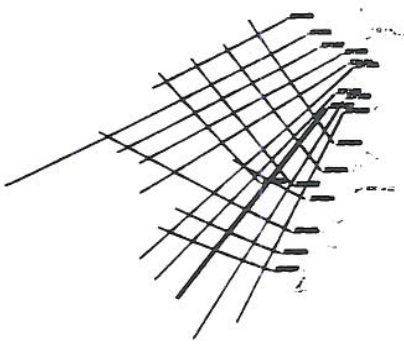
1. REFORMAT : INCLUDING EDITS.
2. BULK STATICS : -51.2 MS. GUN DELAY.
   +11 MS. SOURCE/RECEIVER DELAY.
3. RESAMPLE : 2 MS. TO 4 MS.
   WITH ANTI-ALIAS FILTER.
4. ADJACENT CHANNEL SUMMATION : 168 CHANNEL TO 84 CHANNEL.
5. SPHERICAL DIVERGENCE CORRECTION
6. DECONVOLUTION BEFORE STACK : DATA WITH WATER DEPTH < 500 MS.
   GAPPED TRACE BY TRACE
   GAP : 80% WATER DEPTH.
   OPERATOR : 41 POINTS.
   DESIGN GATES : SPATIALLY VARYING WITH WATER DEPTH.

   NO GAPPED TRACE BY TRACE DECONVOLUTION APPLIED TO DATA WITH WATER DEPTH GREATER THAN 500 MS.
7. DECONVOLUTION BEFORE STACK : SHOT DOMAIN BURG TECHNIQUE
   OPERATOR : 41 POINTS.
   PHASE : MINIMUM.
   DESIGN WINDOW : SPATIALLY VARYING WITH WATER DEPTH.
8. COMMON DEPTH POINT GATHER : 42 FOLD.
9. F-K MULTIPLE ATTENUATION : USING WATER BOTTOM VELOCITY.
10. VELOCITY ANALYSES : EVERY 1 MILE.
11. NMO CORRECTION : WITH STRETCH SUPPRESSION AND INSIDE TRACE MUTE.
12. STACK : 42 FOLD.
13. F-K FILTER : PASSING DIPS -12/+12 MS.
14. DECONVOLUTION AFTER STACK
    GAPPED TRACE BY TRACE
    GAP : 15 MS.
    OPERATOR : 25 POINTS.
    DESIGN GATES : SPATIALLY VARYING WITH WATER DEPTH.
15. POST STACK MIGRATION
16. TIME VARIANT FILTER VIA CORNER POINTS :

TIME (MS.)	FREQ. (HZ.)
0-1000	8.16 48.60
2000	5.12 38.50
3000	4.10 25.40

17. TIME VARIANT EQUALIZATION : START TIME = WATER BOTTOM
    SHALLOW GATES : 2X100.400.800.2X1000 MS. TO THRU
    DEEP GATES : 2X100.4X400.1600 MS. TO THRU

EEL RIVER



PRESENTATION

VERTICAL SCALE	: 5	INCHES/SEC.
HORIZONTAL SCALE	: 4	TRACES/INCH.
GAIN	: 9	
BIAS	: 0	
POLARITY	:	SEG NORMAL.BLACK=POSITIVE
PROCESSING DATE	:	JANUARY 1988

SHOT POINT ANNOTATION : CENTER OF SOURCE

1 MILES 1

SCALE 1:38 800

ENTROPIC GEOPHYSICAL
10600 N. TANTAU AVE.
CUPERTINO, CA. 95014 (408)973-0000

EEL RIVER

PRESENTATION