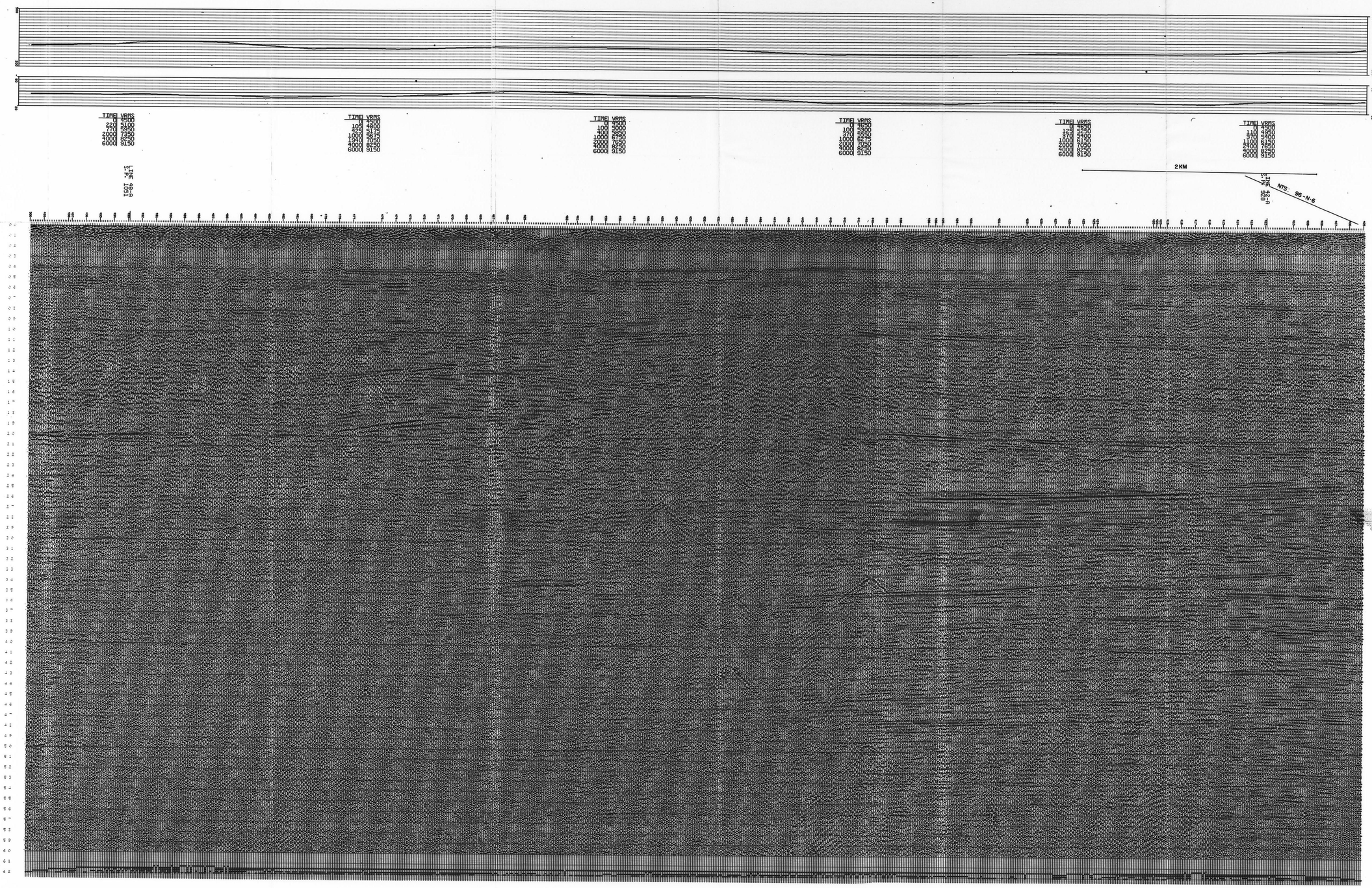

Geophysical Service Centre
Natural Resources Canada
Ressources naturelles Canada
JUN 12 1980
Ottawa, Ontario K1A 0E8
Receipt / Reçu
Number / Numéro 2446-6
5-108

SEFEL

SEFEL J. & ASSOCIATES
DATA PROCESSING CONSULTANTS
(CALGARY)

CLIENT: PETRO-CANADA EXPLORATION

PROSPECT: COLVILLE CENTRAL

LINE 121A — DIRECTION S.E. →

FIELD PARAMETERS

SHOT BY	WESTERN GEOPHYSICAL
DATE	JAN.-MAR./1979
GROUP INTERVAL	30 M
SHOT POINT INTERVAL	120 M
SPREAD CONFIGURATION	1440-30-X-30-1440
GEOPHONES PER GROUP	9, OVER 60 M
AVERAGE HOLE DEPTH	15 M
INSTRUMENTS	DFS V 96 TRACE
RECORDING FOLD	1200 PERCENT
RECORD LENGTH	6 SEC
SAMPLE INTERVAL	2 MSEC
FIELD FILTER	0-128 HZ

PROCESSING SEQUENCE

1 DEMULTIPLEX AND BINARY GAIN REMOVAL	
PROCESSING SAMPLE RATE	4 MSEC
2 DISPLAY ON PAPER	
3 CDP TRACE GATHER	1200 PERCENT
4 BANDPASS FILTER	10-90 HZ
FILTER LENGTH	320 MSEC
5 PROGRAM GAIN APPLICATION	
6 WX STATICS	
CORRECTION VELOCITY	6000 M/SEC
DATUM ELEVATION	305 M/ASL
7 DECONVOLUTION	
DESIGN WINDOW	800-3300 MSEC
PREDICTION TIME	8 MSEC
OPERATOR LENGTH	80 MSEC
PREWHITENING	1 PERCENT
8 VELOCITY ANALYSIS	
9 NMO	
10 BANDPASS FILTER	15-75 HZ
FILTER LENGTH	320 MSEC
11 BRUTE STACK	
12 NMO DISPLAY	
13 TRACE EDITS	
14 AUTOMATIC RESIDUAL STATICS	
WINDOW	1000-4000MSEC
MAX CORRELATION LAG	±25 MSEC
15 MUTE	
16 STACK	1200 PERCENT
17 TIME VARIANT FILTER	
0-500 MSEC 25-75 HZ	
1500-6000 MSEC 15-75 HZ	
FILTER LENGTH 320 MSEC	
18 DIGITAL AGC	500MSEC WINDOW
19 DISPLAY ON PAPER	
20 DISPLAY ON FILM	NORMAL POLARITY
9.75 IPS	
16 TPI	

COMMENTS

DATA PREPARATION BY SEFEL J. AND ASSOCIATES
PARAMETER SELECTION BY PETRO-CANADA

QC GEOPHYSICIST K.R.S. (INITIALS) DATE JUNE, 1979

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LINE NO. 1 2 1 A
PART NO. 1 OF 1
R.R. 10X