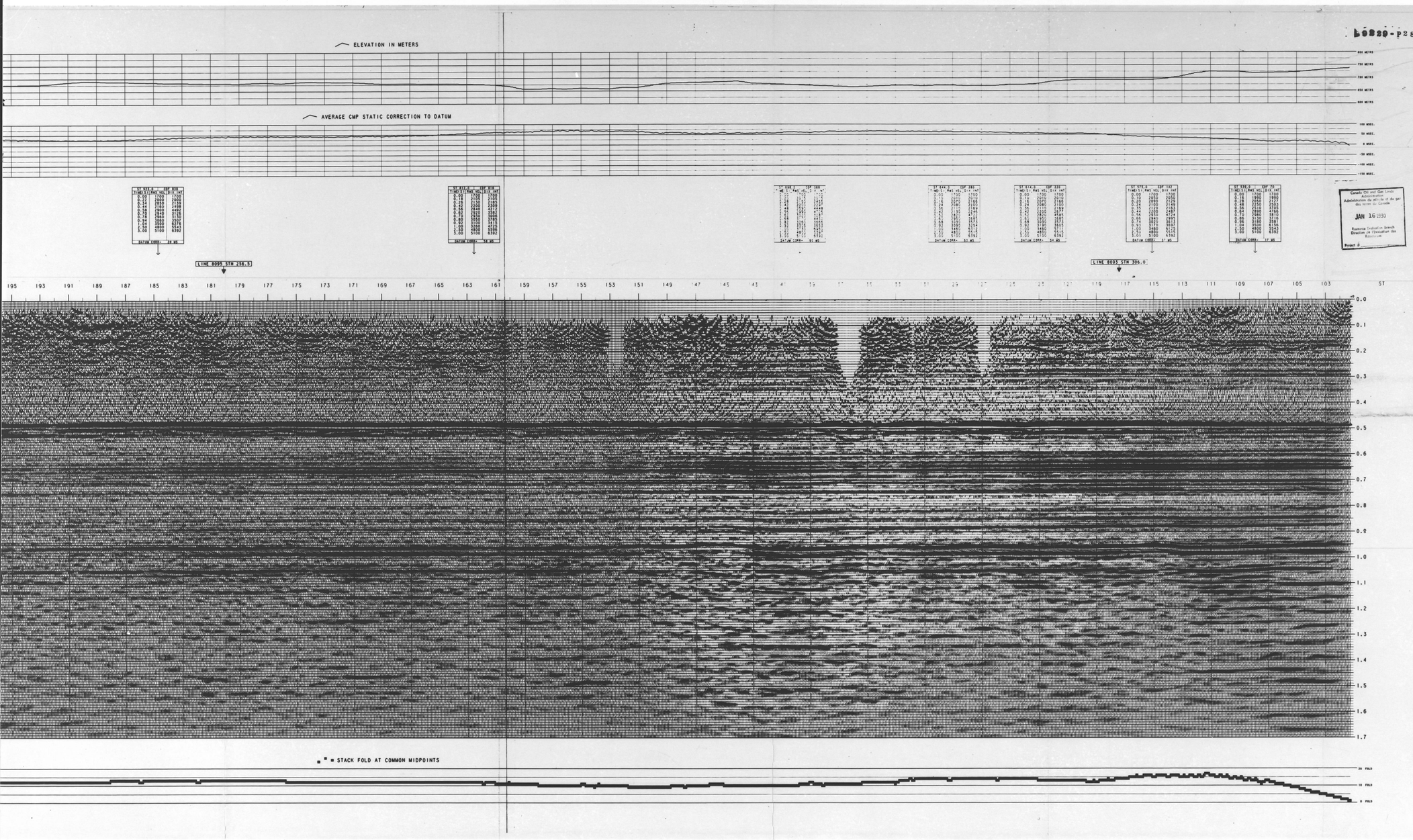


L8029-P28-19E

LINE: L8088

S.P. RANGE: 101 - 237

MIGRATION

NORMAL POLARITY

SOUTHEAST

Canada Oil and Gas Lands Administration
Administration du pétrole et du gaz des terres du Canada
JAN 16 1990
Resource Evaluation Branch
Direction de l'évaluation des Ressources
Project #

PETRO CANADA INC.

AREA: CAMERON HILLS

REPLACEMENT VELOCITY:	2100 M/SEC
PROCESSING DATUM ELEVATION:	850 METERS
DISPLAY DATUM ELEVATION:	750 METERS
SURVEY DATE:	MARCH 1989
RECORDED BY:	WESTERN GEOPHYSICAL PARTY: 363

RECORDING INFORMATION

SOURCE:

ENERGY SOURCE	DYNAMITE
SOURCE SIZE	3 BY 3 KG
CHARGE DEPTH	9 METERS
SOURCE TO FIRST RECEIVER	45 METERS
SHOT POINT INTERVAL	100 METERS

INSTRUMENTS:

AMPLIFIER	DFS 5
FILTER	12 - 128 HZ
SAMPLING INTERVAL	2 MSEC
RECORD LENGTH	4 SEC
60 HZ NOTCH FILTER	OUT
TAPE FORMAT	SEG-B
PREAMP GAIN	36 DB

RECEIVERS:

GEOPHONE TYPE	MARK 10 HZ
GEOPHONES PER GROUP	9 OVER 20 METERS
GROUPS RECORDED	120
GROUP INTERVAL	20 METERS
PERCENT COVERAGE	1200 %

SPREAD GEOMETRY:

SOURCE:		*		
TRACE:	120----------61		60---------- 1	
DISTANCE:	-1220W	40W	40W	1220W
DIRECTION:	NORTHWEST			SOUTHEAST

PROCESSED BY WESTERN GEOPHYSICAL — CALGARY, ALBERTA

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLE INTERVAL: 2 MSEC

DEMULTIPLEX
INDIVIDUAL TRACE EDIT
DATA LENGTH: 3 SECONDS

PRE-PROCESSOR
LINE GEOMETRY AND FIELD STATICS

INSTRUMENT & GEOPHONE PHASE COMPENSATION

AMPLITUDE COMPENSATION
TIME FUNCTION EXPONENT: 1.75

DECONVOLUTION
TYPE: MINIMUM PHASE INVERSE FILTER
ONE WINDOW:
START TIME: NEAR TRACE 50 MSEC
LINEAR MOVEOUT VELOCITY 1685 M/S
STOP TIME: 1700 MSEC
MINIMUM PREDICTION DISTANCE 2 MSEC
OPERATOR LENGTH 100 MSEC
PERCENT WHITE LIGHT 0.1%

TRACE BALANCE (2000 RMS)

DRIFT & WEATHERING STATICS (P.E.E.L.R.)
PATH ESTIMATION & EMPIRICAL LATTICE REDUCTION

PRELIMINARY VELOCITY ANALYSIS
TYPE (VELAN®) SEMBLANCE

AUTOMATIC SURFACE CONSISTANT STATICS
CORRELATION WINDOW 100-1200 MSEC
MAXIMUM SHIFT 36 MSEC

VELOCITY ANALYSIS
TYPE (EXPANDED VELOCITY ANALYSIS): VELAN® SEMBLANCE

AUTOMATIC SURFACE CONSISTANT STATICS
CORRELATION WINDOW 100-1200 MSEC
MAXIMUM SHIFT 12 MSEC

MULTIPLE F-K FILTER IN SHOT DOMAIN
TEMPORARILY RMS CORRECTED BY 500 STACKING VELOCITY
DIP: -20 TO -.1 MSEC PER TRACE REJECT FAN
TAPER +/- K & +/-.5 MSEC PER TRACE

VELOCITY VERIFICATION
COMMON OFFSET STACKS WITH RMS AND STATICS APPLIED

NORMAL MOVEOUT APPLICATION

MUTE

OFFSET IN M.	TIME IN MS.
0	0
200	150
600	450
800	700
1220	850
2000	1400

TRIM STACK (1200 %)
WITH CDP CORRELATION TRIM STATICS
CORRELATION WINDOW: 100-1200 MSEC
MAXIMUM SHIFT: 8 MSEC
MODEL: 3 TRACES

FINITE DIFFERENCE MIGRATION
MIGRATION VELOCITY 100 %
NUMBER OF CASCADES 10

BAND PASS FILTER
12/24 - 85/48 HZ/DB PER OCTAVE

AMPLITUDE DECAY ANALYSIS GAIN RECOVERY

MOVE TO DISPLAY DATUM

DISPLAY ON FILM

DISPLAY PARAMETERS

HORIZONTAL SCALE	24 TRACES PER INCH
VERTICAL SCALE	7.5 INCHES PER SECOND
PLOTTING GAIN	13 DB

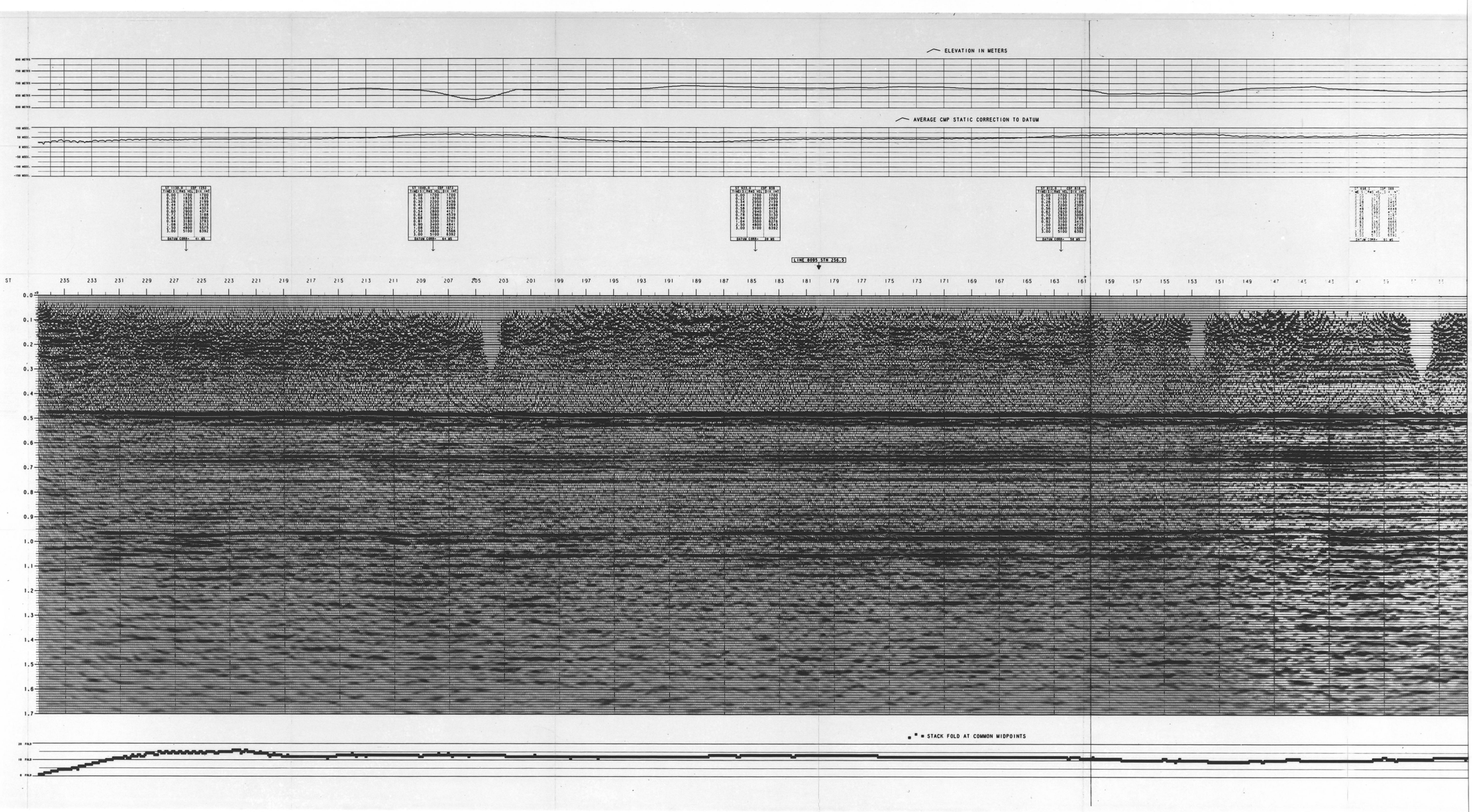
terra
2050 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-8571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 92299-P28-19E

LINE NO. L8088

PART NO. 1 OF 2

R.R. 8X



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PROJ. NO. 0220-P28-10E

LINE NO. L0000

PART NO. 2 OF 2

R.R. 8X