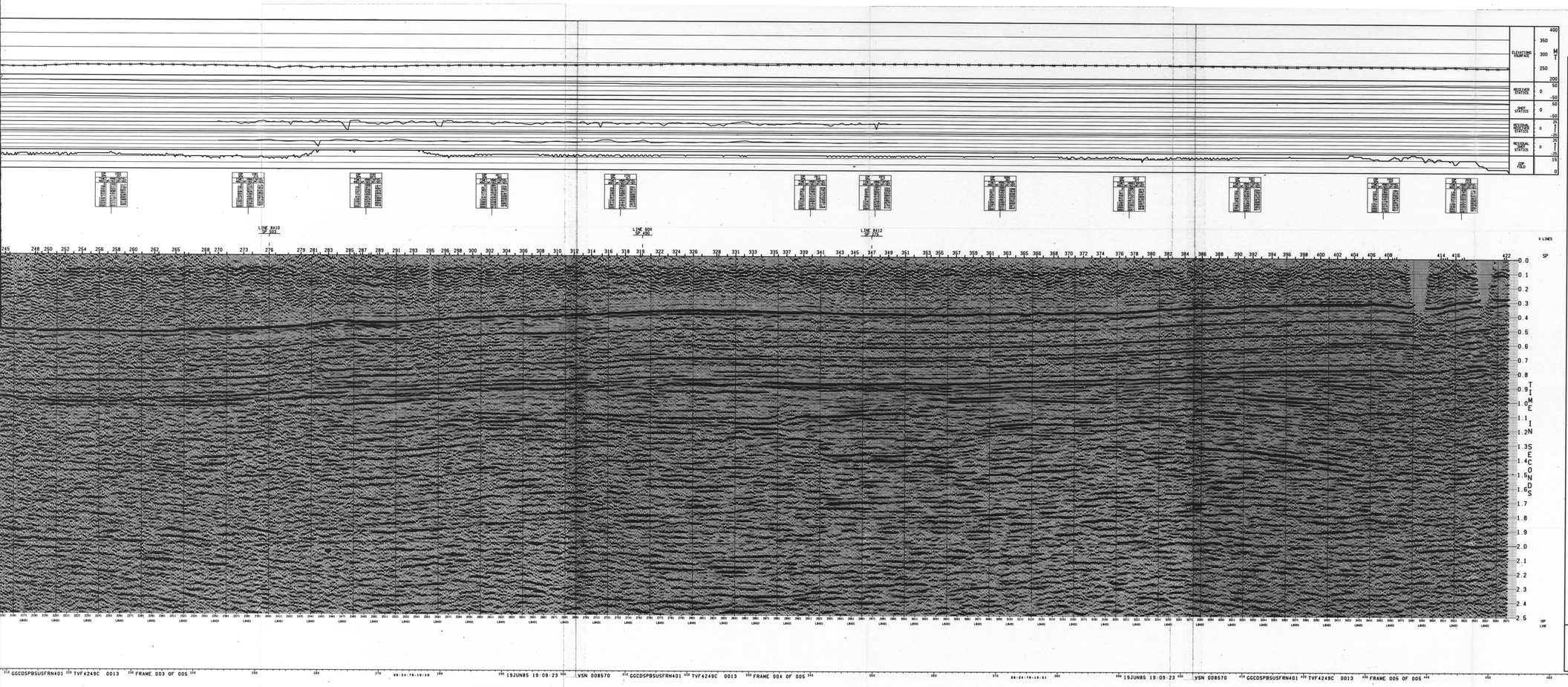


92 29-P28-5E

LINE 8401

SP 101 TO 422

PETRO CANADA
AREA : BLACKWATER LAKE
NTS 96B

NORTHEAST → DIRECTION SHOT →

MIGRATED STACK (NORMAL POL.)

FIELD DATA

RECORDED BY: WESTERN GEOPHYSICAL PARTY 362

DATE: JANUARY - MARCH 1985

INSTRUMENTATION

AMPLIFIERS: DFS V
FILTERS: 8 - 128 HZ
FOLDOVER FILTER: 128 HZ
RECORD LENGTH: 8 SECONDS
SAMPLE RATE: 2 MILLISECONDS
GEOPHONE TYPE: LRS 10 HZ

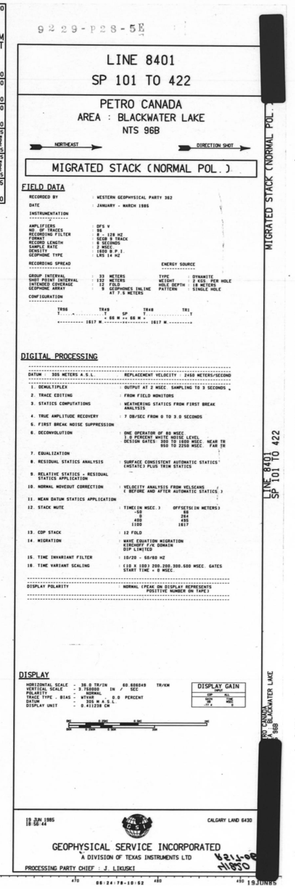
RECORDING SPREAD

ENERGY SOURCE

GROUP INTERVAL: 20 METERS
SHOT HOLE INTERVAL: 100 METERS
INTENDED COVERAGE: 12 FOLD
GEOPHONE ARRAY: 8 GEOPHONES IN LINE 20 FT X METERS

TYPE	DYNAMITE
SIZE	0.5 KG PER HOLE
HOLE DEPTH	18 METERS
PATTERN	SINGLE HOLE

CONFIGURATION



DIGITAL PROCESSING

DATUM : 305 METERS A.S.L. REPLACEMENT VELOCITY : 2680 METERS/SECOND

1. DEMULTIPLEX	OUTPUT AT 2 MSEC SAMPLING TO 3 SECONDS
2. TRACE EDITING	FROM FIELD MONITORS
3. STATICS COMPUTATIONS	WEATHERING STATICS FROM FIRST BREAK ANALYSIS
4. TRUE AMPLITUDE RECOVERY	T SQ/SEC FROM 0 TO 3.0 SECONDS
5. FIRST BREAK NOISE SUPPRESSION	-
6. DECONVOLUTION	ONE OPERATOR OF 80 MSEC 3.5 PERCENT WHITE NOISE LEVEL DESIGN GATE: 500 MSEC. MEAN TO 2000 MSEC. PAR TO
7. EQUALIZATION	-
8. RESIDUAL STATICS ANALYSIS	SURFACE CONSISTENT AUTOMATIC STATICS (WEATHER) PLUS TRIM STATICS
9. RELATIVE STATICS - RESIDUAL STATICS APPLICATION	-
10. NORMAL MOVEOUT CORRECTION	VELOCITY ANALYSIS FROM WELSCANS (BEFORE AND AFTER AUTOMATIC STATICS)
11. MEAN DATUM STATICS APPLICATION	-
12. STACK MUTE	TIME(IN MSEC.) OFFSET(IN METERS) 0 0 400 400 1000 1000 1600 1600
13. CDP STACK	12 FOLD
14. MIGRATION	WAVE EQUATION MIGRATION FINITE DIFFERENCE DOMAIN DIP LIMITED
15. TIME INVARIANT FILTER	10/20 - 60/80 HZ
16. TIME VARIANT SCALING	(10,8 (80) 200,200,350,500 MSEC. GATES START TIME = 0 MSEC.
DISPLAY POLARITY	NORMAL (PEAK ON DISPLAY REPRESENTS POSITIVE NUMBER ON TAPE)

DISPLAY

HORIZONTAL SCALE - 50.0 TR/IN RD SPEEDAR TR/MM
VERTICAL SCALE - 2.7500000 IN / SEC
TRACE MIX - 1
TRACE TYPE - BIAS - WTOP = 0.0 PERCENT
GAIN - 1
DISPLAY UNIT - 0 DISIGN LB

DISPLAY GAIN	
DEF	ALL
1	48
2	48

10 JUN 1985
10:00 AM

CALGARY LAND 8430

GEOPHYSICAL SERVICE INCORPORATED
A DIVISION OF TEXAS INSTRUMENTS LTD

PROCESSING PARTY CHIEF : J. LOUSKI

MIGRATED STACK (NORMAL POL.)

LINE 8401
SP 101 TO 422

SEG 1 KEYPUNCH 986

PROJ. NO. 9229-P28-5E

LINE NO. 8401

PART NO. 1 OF 2

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PART NO. 2 OF 2

R.R. 8X