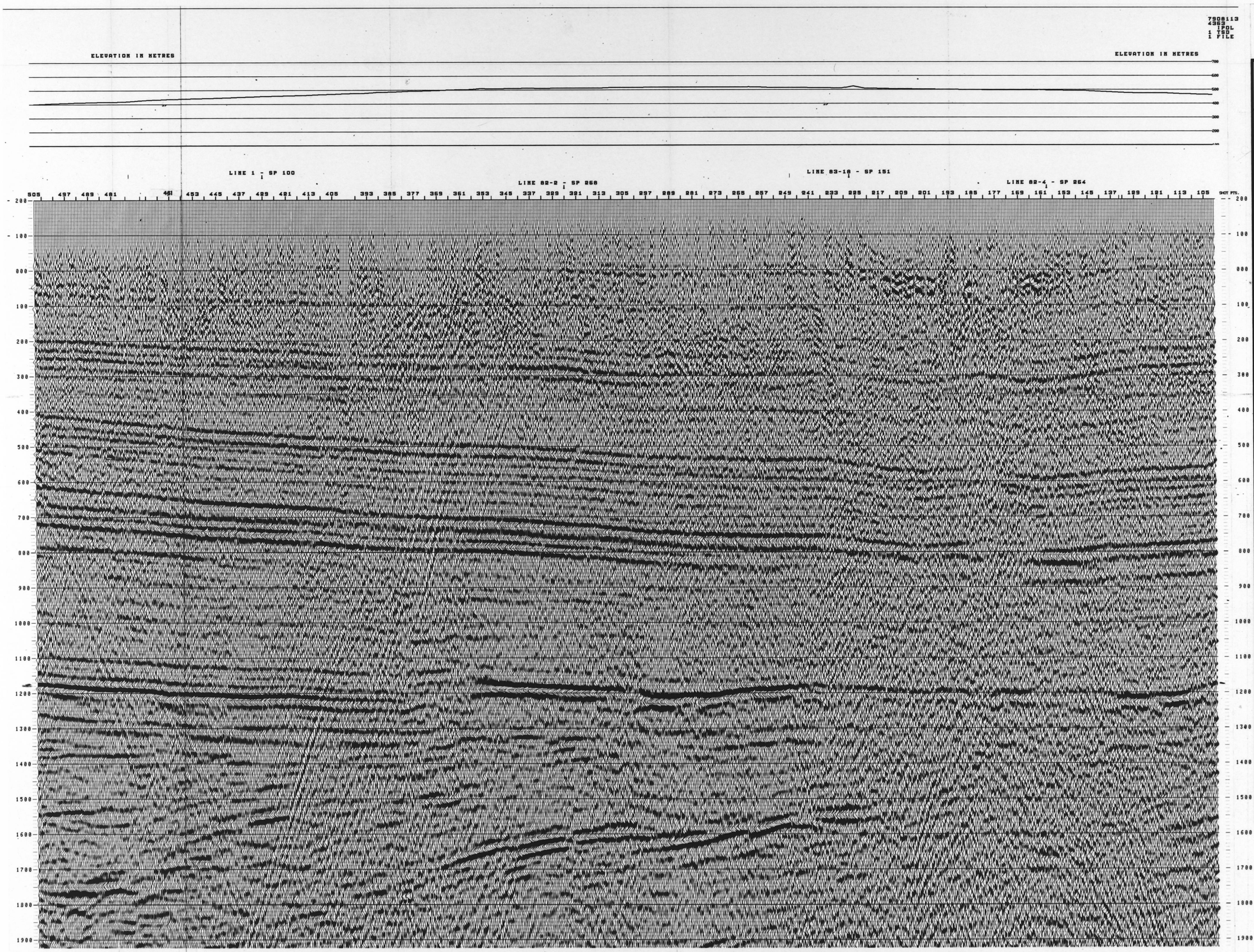




9229-09-25

PETREL CONSULTANTS LTD.
NSM RESOURCES LTD.

CONVENTIONAL STACK
REVERSE POLARITY

AREA: ARROWHEAD
LINE: 83-13
LOCATION: N.W.T.
NW 508 SHOT POINTS 181 SE

FIELD RECORDING

DATE: JAN. 1983
RECORDED BY: ENERTEC GEOPHYSICAL SERVICES LTD.
ENERGY SOURCE: DYNAMITE 1 HOLE AT 18.3 M
RECORDER TYPE: DFS-V SAMPLE RATE 2 MS.
GAIN CONTROL: FLOATING POINT
FIELD FILTER: 8 - 120 HZ
GEOPHONES/GROUP: 9 AT 3.75 M TYPE: MARK 14 HZ
COVERAGE 1200% SHOT INT. 134 M GROUP INT. 33.5 M
1600 - 33.5 X 33.5 - 1600

COMPUTATIONS

STRUCTURAL DATUM 385 M
REPLACEMENT VELOCITY 2440 M/SEC

PROCESSING PARAMETERS

DATE: APRIL 1983
1. DEMULTIPLIER SAMPLE RATE 4 MS.
2. TRACE GATHER
3. AMPLITUDE RECOVERY
4. DECONVOLUTION TYPE: SPIKING
GATE: 500 - 2500 MS.
OPERATOR LENGTH: 88 MS.
PRE-WHITENING: 3 %
5. NMO
6. STATIC CORRECTIONS ELEV/TUN/DRIFT
7. BRUTE STACK
8. COMMON OFFSET STACK
9. RNMO
10. AUTOMATIC RESIDUAL STATICS
GATE: 620 - 2500 MS.
11. FIRST BREAK NOTE TIME 9 DIST. 181
TIME 150 DIST. 134
TIME 280 DIST. 382
TIME 1300 DIST. 1600
TIME 2400 DIST. 3216
12. STACK 1200%
13. FILTER 12/16 - 85/100
14. TRACE EQUALIZATION
15. FILM DISPLAY 24 TR/IN 10 IN/SEC

TIME	VELOCITY
4	2100
200	2350
400	2600
600	2900
800	3100
1000	3500
1200	3675
1600	4200
2000	4600