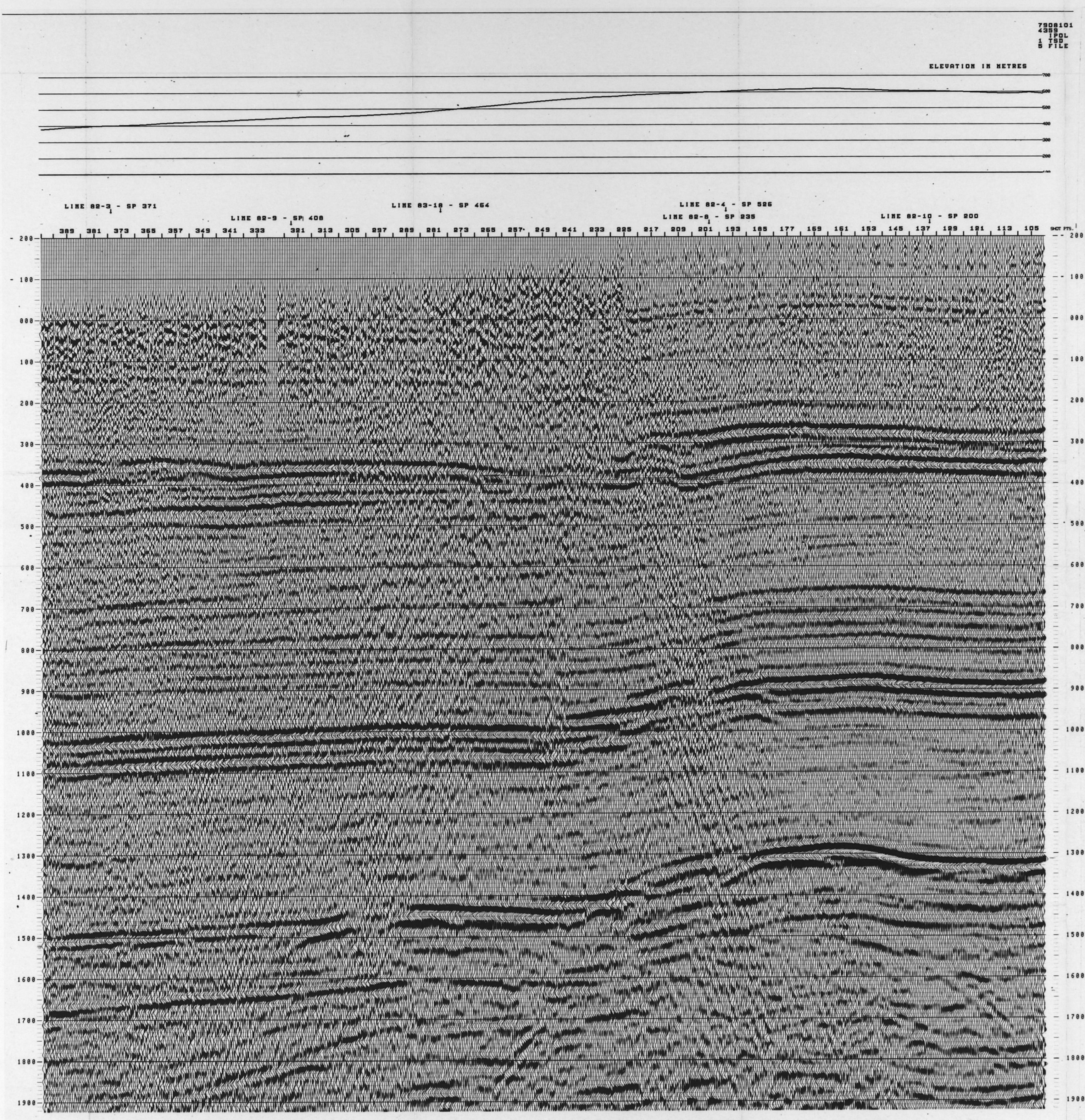




9229-N9-25

PETREL CONSULTANTS LTD.  
NSM RESOURCES LTD.

CONVENTIONAL STACK  
REVERSE POLARITY  
AREA: ARROWHEAD  
LINE: 83-5  
LOCATION: N.W.T.  
W 397 SHOT POINTS 101 E

FIELD RECORDING

DATE: JAN. 1993  
RECORDED BY: ENERTEC GEOPHYSICAL SERVICES LTD.  
ENERGY SOURCE: DYNAMITE 1 HOLE AT 10.3 M  
RECORDER TYPE: DFS-U SAMPLE RATE 2 NS.  
GAIN CONTROL: FLOATING POINT  
FIELD FILTER: 8 - 128 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 305 M  
REPLACEMENT VELOCITY 2440 M/SEC

PROCESSING PARAMETERS

DATE: APRIL 1993  
1. DEMULTIPLY SAMPLE RATE 4 NS.  
2. TRACE GATHER  
3. AMPLITUDE RECOVERY TYPE: SPIKING  
4. DECONVOLUTION GATE: 500 - 2500 NS.  
OPERATOR LENGTH: 80 NS.  
PRE-WHITENING: 3 %  
WELL TOT  
5. NMO  
6. STATIC CORRECTIONS ELEV/TIM/DRIFT  
7. BRUTE STACK  
8. COMMON OFFSET STACK  
9. RMO  
10. AUTOMATIC RESIDUAL STATICS  
GATE: 620 - 2200 NS.  
11. FIRST BREAK MUTE TIME 0 DIST. 101  
TIME 150 DIST. 134  
TIME 200 DIST. 302  
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 |
|------|----------|
| 0    | 2100     |
| 200  | 2350     |
| 400  | 2600     |
| 600  | 2950     |
| 800  | 3100     |
| 1000 | 3500     |
| 1600 | 3675     |
| 2000 | 4200     |
| 5000 | 4650     |