T/19P Part 6

(11)

OR-208

223682

Figure 11

HEMATITE PETROLEUM PTY. LTD.

HEMATITE PETROLEUM PTY. LTD.
49/34 SEISMIC SURVEY
LINE HB75A-156 SPS 336 TO 677
FINAL STACK PLOT 2 OF 2

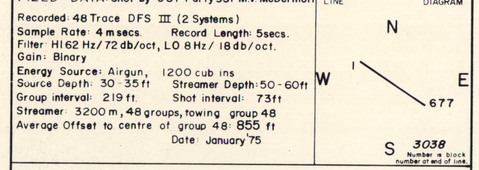
SEAL AREA

HB75A SEISMIC SURVEY	HB75A-156

FIELD DATA: Shot by: GSI Party 931 M.V. McDermott — LINE 2889

Recorded: 48 Trace DFS III (2 Systems)
Sample Rate: 4 m secs. Record Length: 5secs.
Filter: HI 62 Hz/ 72 db/oct, LO 8 Hz/ 18 db/oct.
Gain: Binary
Energy Source: Airgun, 1200 cub ins
Source Depth: 30-35 ft Streamer Depth: 50-60ft
Group interval: 219 ft. Shot interval: 73ft
Streamer: 3200 m, 48 groups, towing group 48
Average Offset to centre of group 48: 855 ft
Date: January '75

DIAGRAM



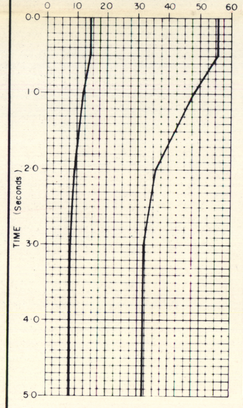
PROCESSING INFORMATION:

1 True Amplitude Recovery (-12db, 5db/sec. 0-3·5 secs.)
2 Vertical Stack 3:1
3 Deconvolution Before Stack
SP's 1 - 677, 2 Operators/Trace, 64 pts. Gap = 0 msec.

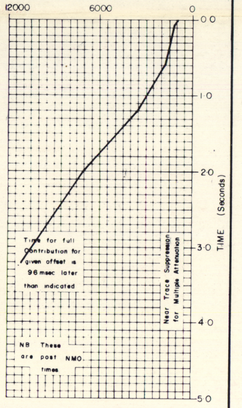
4 24 Fold Common Depthpoint Gather
5 Sealevel Static and Airgun Delay Corrections
6 Preliminary Normal Moveout Corrections
7 Preliminary 24-Fold Stack, 24 Traces.
8 Velocity Analysis:
Continuous 700 Pkg 100m Depth Points
9 Normal Moveout Corrections
10 24 Fold CDP Stack, 48 Traces
11 Deconvolution After Stack, 2 Operators/Trace, 70 pts. Gap = 0 msec.
12 Time Variant Filter
13 Cross Record Mix on T.V.F. Section
Weighted Mix over 3 Traces
Contributions = 10%, 80%, 10%.

14 Display Normal Polarity, 10 traces/cm. (0·53 miles/inch) Horizontal Scale
— 3·75 ins/sec. Vertical Scale

TIME VARIANT FILTER BANDPASS FREQUENCY (Hz)



FIRST BREAK SUPPRESSION OFFSET (Ft)



PROCESSED BY: GEOPHYSICAL SERVICE INTERNATIONAL, SYDNEY.
DATE APRIL 1975

5 cm

EVCM

L.M. DIV.

WATER DEPTH
SHOT POINTS

0·0
0·2
0·4
0·6
0·8
1·0
1·2
1·6
1·8
2·2
2·4
2·6
2·8
3·0
3·2
3·4
3·6
3·8
4·0
4·2
4·4
4·6
4·8
5·0

OR-186 SP 3607