GREENSLOPES-1 D

260689

# OPX89A-59 Stns. 130-764

## PHOENIX OIL AND GAS

### FINAL STACK

SURVEY : 1989 SHAMROCK
BLOCK : PEP 101 OTWAY BASIN
AREA : ORFORD
STATE : VICTORIA

DEPT. NAT. RES & ENV
PE907939

### RECORDING PARAMETERS

RECORDED BY S.S.L PARTY 699.
RECORDING DATE 119-21TH FEB 1989.

INSTRUMENT - SERCEL SN348 /CS 2502
GAIN : I.F.P.
FILTERS : LOCUT 8HZ: 12DB/OCT.
: HICUT 125HZ: 72DB/OCT.

FIELD TAPES
SINGLE SWEEPS: SEGB @ 6250 BPI
REELS: 62 - 85
STACK TAPES : SEGY @ 6250 BPI
REEL :
SAMPLE RATE : 4ms.
RECORD LENGTH: 5 SECONDS( CORRELATED )
15 SECONDS( UNCORR. )

LINE LENGTH : 12.68 KM.

SOURCE DATA
ARRAY : 3 VIBS INLINE
SPACING : 12.5M PAD TO PAD
MOVEUP : 5 METRES
SWEEPS : 4 X 10 SECONDS
SWEEP FREQ.: 10-75 HZ
AMPL. TAPER: 100%
FREQ. TAPER: 250ms
SWEEP TYPE : LINEAR UPSWEEP
VP INTERVAL: 20 METRES
VP LOCATION: 110M OFF END.

RECEIVER DATA
GEOPHONE TYPE SM4 10HZ
PATTERN IS 18.75M LONG( CENTRED ON PEG) AND CONSISTS OF 18 & 6 GEOPHONES IN PARELLEL( SPACED 1.1M APART.
SPREAD #1 #120
110 - 2490M

### SEQUENCE / PROCESSING PARAMETERS

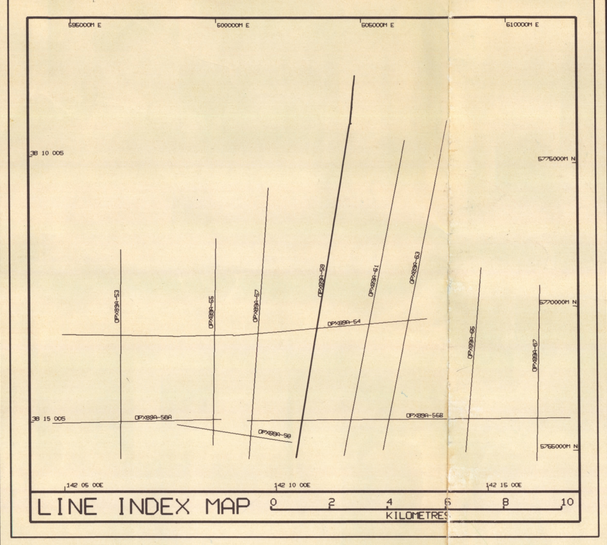
| SEQUENCE | PROCESSING PARAMETERS |
|---|---|
| DEMULTIPLEX | SSL DEMULTIPLEX AND GAIN RECOVERY |
| PHASE | MINIMUM PHASE CONVERSION( AND PROCESS TO 5 SECS. EDIT BAD TRACES. |
| FK | MILD FK VELOCITY FILTER APPLIED. |
| GAIN | pxwD( SL GAIN APPLIED. MUTE ABOVE FIRST BREAKS. |
| DECONVOLUTION | PREDICTIVE: 100ms OP. 24ms GAP 0.1% W-N. 200-1400-2500ms NR TR. 1400-2200-3300ms FAR TR. |
| SCALE | 500ms SLIDING SCALE 10% OVERLAP. |
| CDP GATHER | SORT INTO CDP GATHERS. TRACE EDIT. APPLICATION OF ELEVATION STATICS ( TIED TO UPHOLES ) TO FLOATING DATUM. |
| FINAL NMO | FINAL CORRECTION VELOCITIES CHOSEN FROM MULTI FUNCTION STACKS. |
| STATICS | APPLICATION OF ELEVATION STATICS ( TIED TO UPHOLES ) TO MEAN SEA LEVEL DATUM. |
| MUTE | CDP 480:0ms-110ms:1400ms-2490m CDP-890:0ms-110ms:1080ms-1810ms:1400ms-2490m |
| RESIDUALS I | SURFACE CONSISTENT RESIDUAL STATICS ( RS MODE ) |
| RESIDUALS II | CDP CONSISTENT AUTOMATIC STATICS. 11 TRACE PILOT. 95% TAPER. |
| STACK | NOMINAL 60 FOLD STACK. SQUARE ROOT STACK COMPENSATION. |
| COFILT | MILD COHERENCY FILTER APPLIED |
| FILTER | BANDPASS FILTER : 8-12-75-80 Hz. 0-5000ms |
| SCALE | SINGLE WINDOW SCALE 0-4000 ms. |

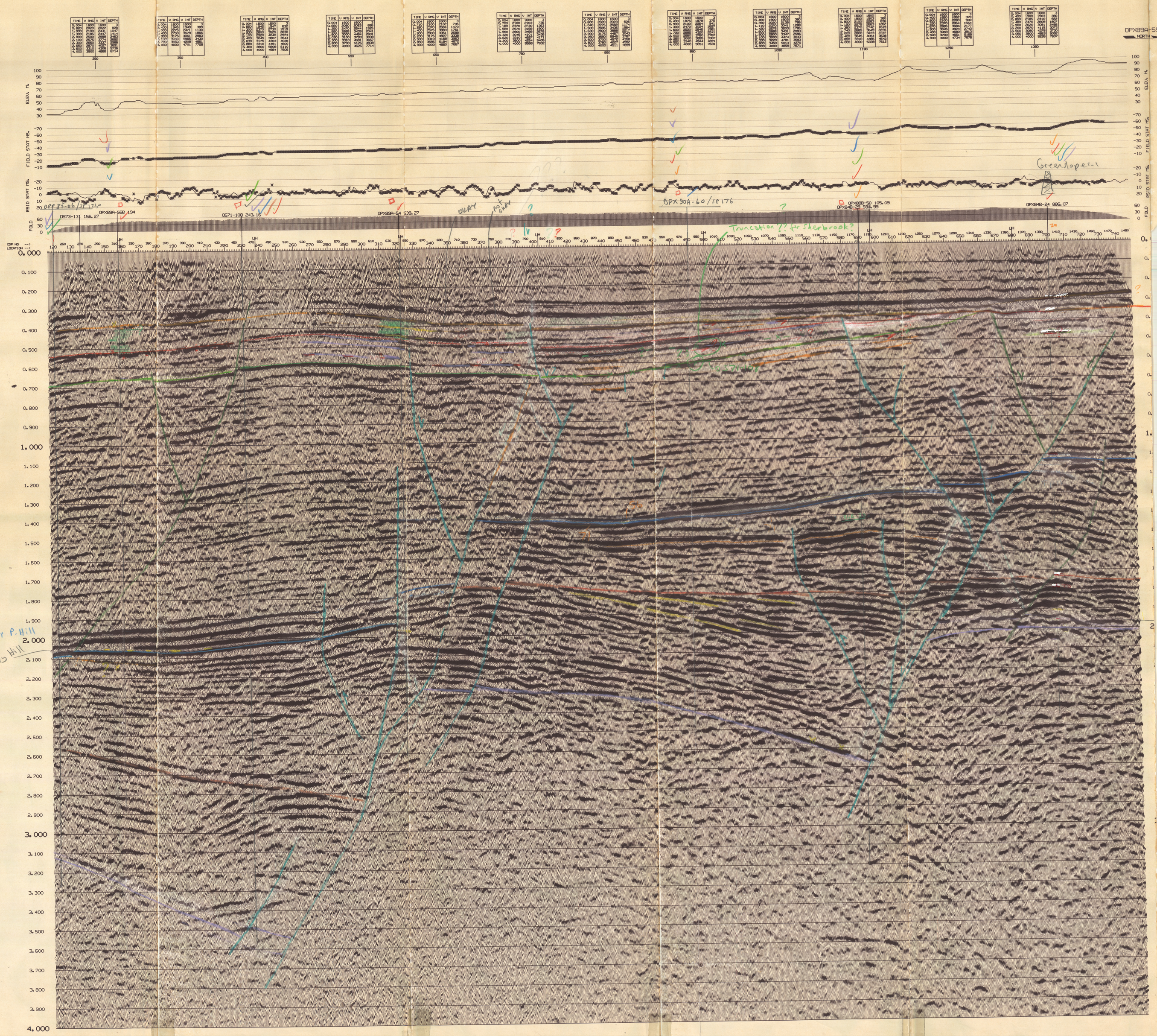
### DISPLAY DETAILS

VERTICAL SCALE : 15 CM/SEC
HORIZONTAL SCALE : 15 TPC

POLARITY : "SEG"
BLACK VAR : +VE VALUES
PLOT TYPE : DOT HIGH-VAR AREA

PROCESSED BY : D. GATHERCOLE
CHECKED BY : Denis Gatehouse




Seismograph Service
A Raytheon Company

ADELAIDE PROCESSING CENTRE VAX-UPU
INCORPORATED IN ENGLAND REGISTERED IN W.A.
DATE PROCESSED : APRIL 1989