Australian Government
Geoscience Australia

Government of Western Australia
Department of Mines and Petroleum

Onshore Energy Security Program

ROYALTIES FOR REGIONS

SURVEY L199

YILGARN-OFFICER-MUSGRAVE

LINE: 11GA-YO1

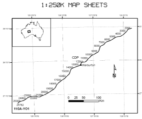
FINAL STACK
0 - 22 S

STATIONS: 1001 - 13105

SOUTH-WEST

AREA: WESTWOOD, YOWALGA, TALBOT, BENTLEY, SCOTT, THROSSELL

1:250K MAP SHEETS



PROJECTION: GDA94 MGA94 ZONE 52

RECORDING PARAMETERS

DATE : MAY - JUNE 2011
ACQUIRED BY : TERREX SEISMIC
REFERENCE : TERREX OPERATIONAL REPORT
YILGARN-OFFICER-MUSGRAVE
2D SEISMIC SURVEY, 2011
SYSTEM TYPE : SERCEL 428XL
DATA FORMAT : SEG-D DEMULTIPLEXED (REV1)
DATA MEDIA : LTO2V/USB
RECORD LENGTH: 20 & 22 SECONDS
SAMPLE RATE : 2 MILLISECONDS
FILTERS : LOW/HIGH-CUT 0/200 HZ
FIELD FILES : 1 TO 6156
FIELD REELS : L1991001 & L1991003

SOURCE TYPE : THREE IVI HEMI-50 VIBES
SWEEP TYPE : 3 X 12 SEC VARISWEEPS
6-64 HZ 10-96 HZ 8-80 HZ
SOURCE ARRAY : 60 M CENTRED BETWEEN PEGS
VIBE CONFIG : 15 M PAD/PAD 15 M MOVEUP
VP INTERVAL : 80 M
SPREAD PATTERN: 1....150 * 151....300
OFFSETS (M) : -5980....-20 * 20....5980
GROUP PATTERN : 12 IN-LINE 3.33 M SPACING
: CENTRED ON PEGS
GROUP INTERVAL: 40 M
COVERAGE : 75 FOLD (NOMINAL)
NO RECORDING BETWEEN STATIONS 6555-6669
GRAVITY : EVERY 400 M

PROCESSING SEQUENCE

[1] LINE GEOMETRY AND CROOKED LINE DEFINITION (CDP INT 20 M)

[2] SEGD TO 'DISCO' FORMAT

[3] QUALITY CONTROL DISPLAY, NOISE TRACE EDITS

[4] CMP SORT, RESAMPLE AT 4 MS

[5] SPHERICAL DIVERGENCE CORRECTION

[6] BANDPASS FILTER (CDPS 12887 - 25781)

TIME (SEC)	BANDPASS(HZ)/SLOPE(DB/OCTAVE)
0.0 - 2.0	35/36 - 90/36
3.0 - 4.0	12/36 - 90/36

[7] SPECTRAL EQUALIZATION (1000 MS AGC GATE)

[8] APPLICATION RESIDUAL REFRACTION STATICS

[9] VELOCITY ANALYSIS

[10] NORMAL MOVEOUT (NMO) CORRECTION, 15% STRETCH MUTE

[11] AUTOMATIC SURFACE CONSISTENT RESIDUAL STATICS

[12] FILTER ALL CDPS, AS [6], BUT 14 HZ (0 S) AND 10 HZ (2 S)

[13] OFFSET REGULARISATION AND DIP MOVEOUT (DMO) CORRECTION

[14] COMMON MID POINT STACK

[15] SIGNAL ENHANCEMENT (DIGISTACK 0.5 AND FKPOWER 1.3)

[16] APPLY MEAN CDP REFRACTION STATIC, DATUM 600 M (AHD)= 0 S
REPLACEMENT VELOCITIES (STATIONS) 5900 M/S (1000-6900)
2500 M/S (6900-11200), 4600 M/S (11215-13105)

[17] TRACE AMPLITUDE SCALING FOR DISPLAY

DISPLAY PARAMETERS

HORIZONTAL SCALE : 50 TRACES/CM (1:100,000)
VERTICAL SCALE : 3 CM/SEC
V:H = 1:1 USING AVERAGE VELOCITY 6000 M/S

ACQUIRED BY:
GEOSCIENCE AUSTRALIA

FIELD QC: JOSEF HOLZSCHUH

PROCESSED BY:
GEOSCIENCE AUSTRALIA

PROCESSING: JOSEF HOLZSCHUH

GRAVITY DATA VALUES ARE SPHERICAL CAP BOUGUER ANOMALIES
GRAVITY COLLECTED AT EVERY 10TH GEOPHONE STATION (400 M)
MAGNETICS FROM FIFTH EDITION TOTAL MAGNETIC INTENSITY
ANOMALY (TMI) GRIDS OF AUSTRALIA

CC BY

DISCLAIMER

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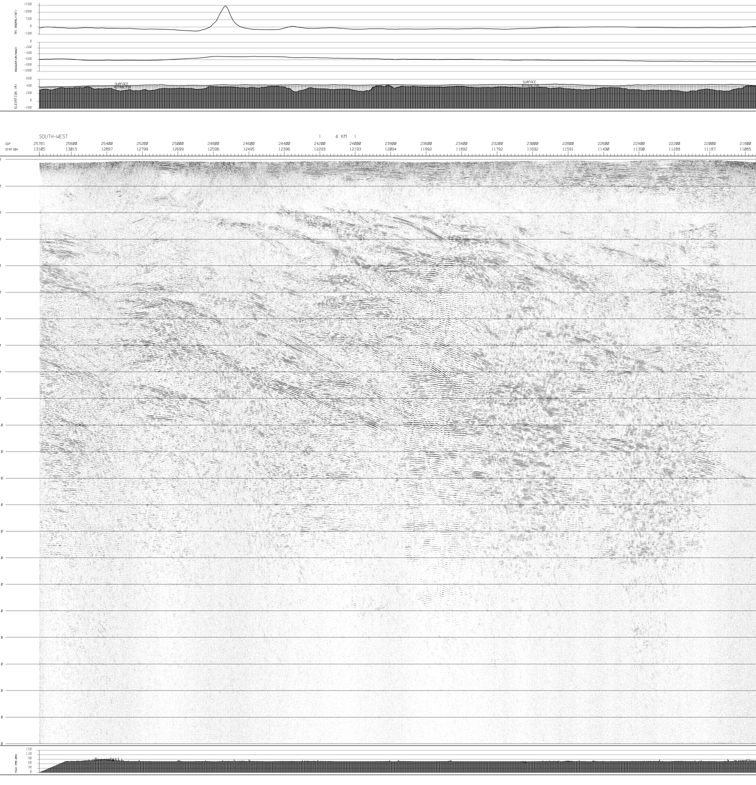
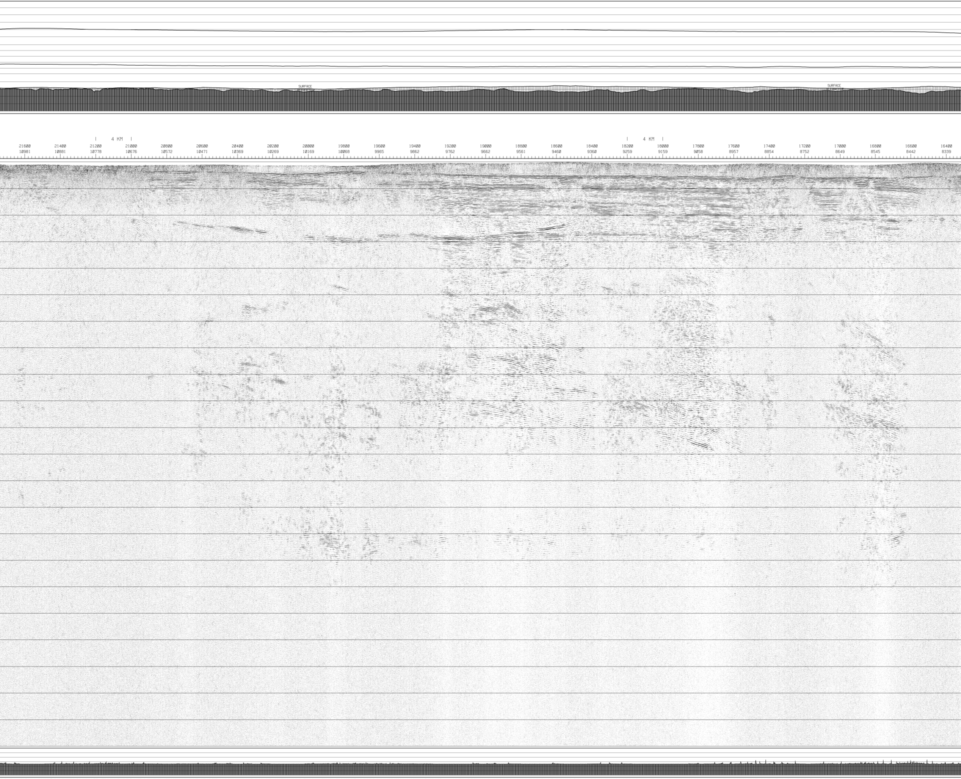


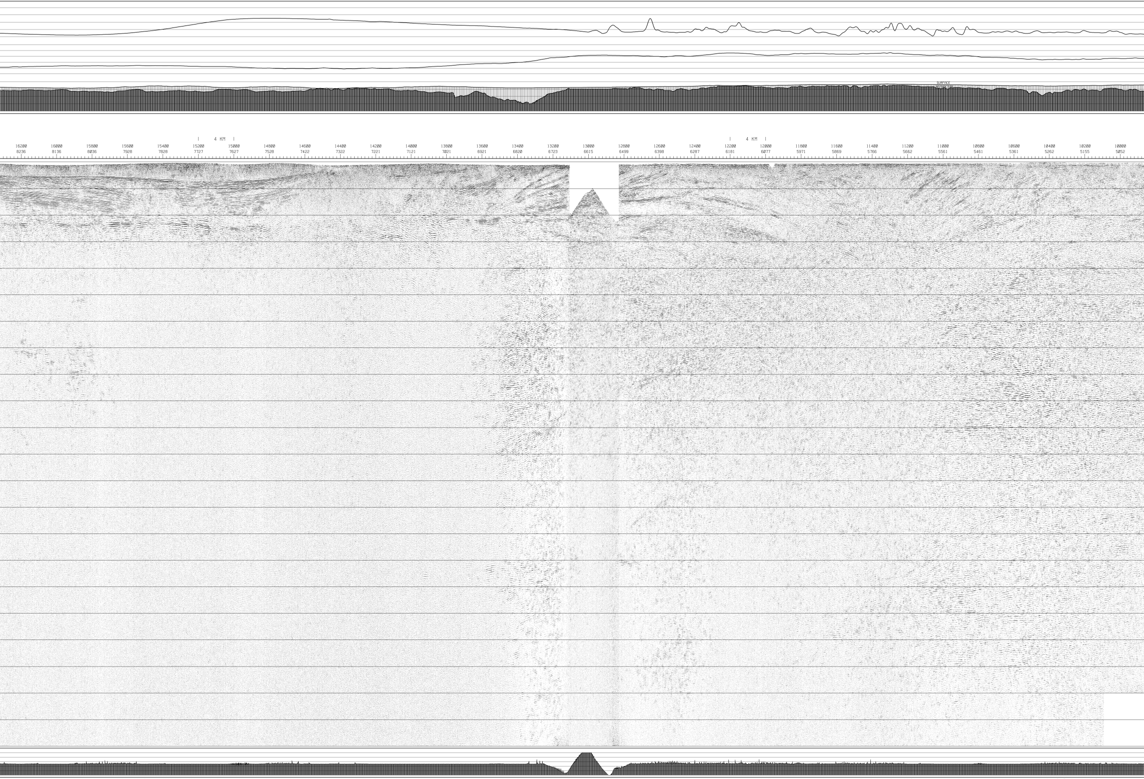
GEOSCIENCE_AUSTRALIA
USERNAME: RCOSTELL
FOCUS 5.4
DISCO JOB : 2138
PROJECT : LARCH
LINE : 11GA_YO1
USER : RCOSTELL
TITLE : *DISPLAY 22 S STACK FROM FINAL
INPUT FILE : /NAS/XDIV/SEISMIC/LAND/SEISMIC_LARCH/L199/DISPLAY/STK_11GAYO1_22S.SEGY
SITE : RHE-SEISMIC
AP TYPE : (CPU)
OPTIONS : /LIST/NOCHECK/NODUMP/NOMEMCHK/WARN/ACCT/APMASK= -1

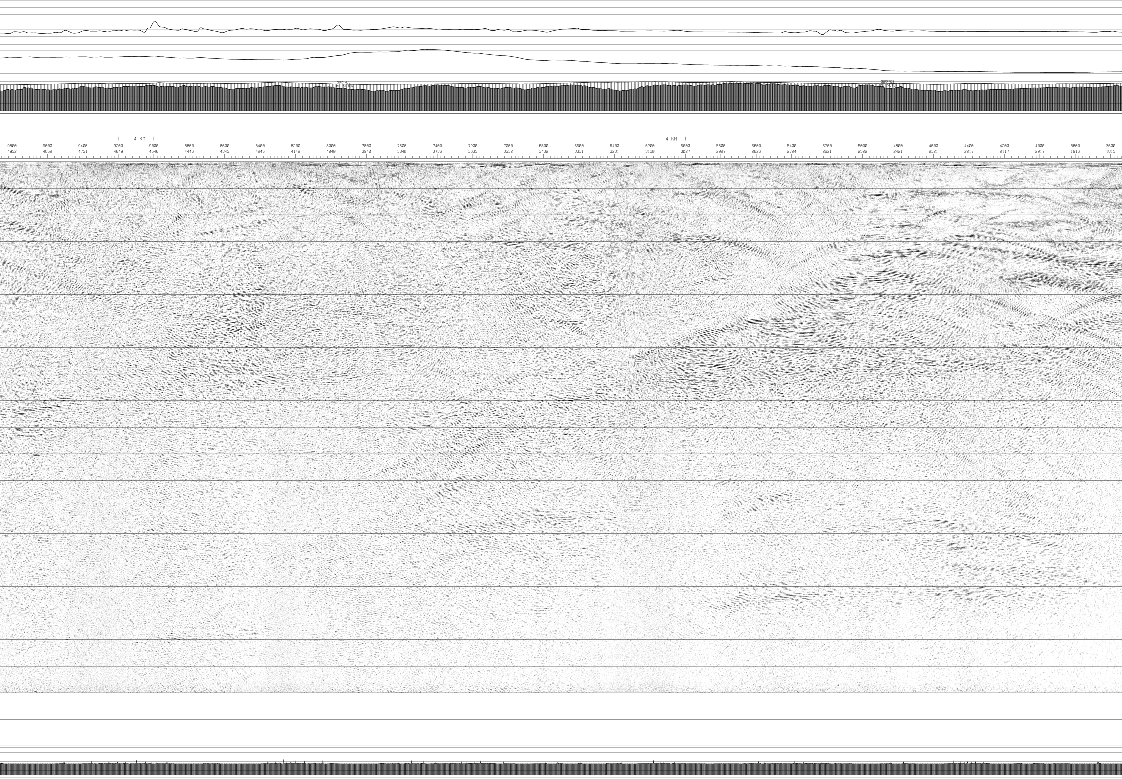
POLARITY NORMAL - POSITIVE FILL (22000. MS @ 4.000 MS SAMPLE RATE)
SECOND AVERAGE USING 4 WINDOWS OVER ENTIRE TRACE (INCLUDING ZERO SAMPLES
RMS = 0.95189SE-00 GAIN = 0.65 DIRECTION = LR

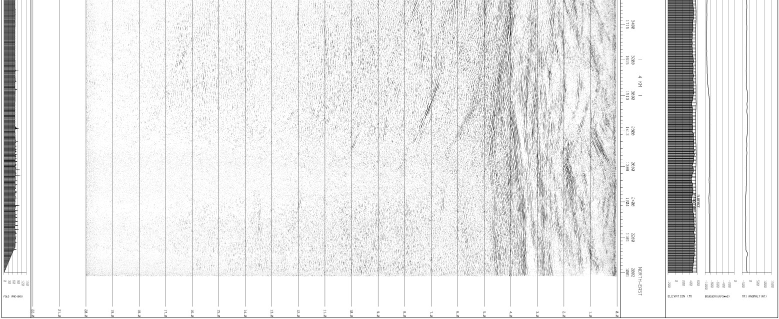
RHE-SEISMIC
PLOT ENTRY: 7099

5-DEC-2012 10:18
SEGMENT/PANEL NO.:1/ 8









ENTRY/SEGMENT/PANEL NO. 7099/1/0

```
USERNAME: RCOSTELL
FOCUS 5.4
DISCO JOB    :    2130
PROJECT      :  LARCH
LINE         :  11GA_YO1
USER         :  RCOSTELL
TITLE        :   *DISPLAY 22 S STACK FROM FINAL
INPUT FILE   :  /NAS/XDIV/SEISMIC/LAND/SEISMIC_LARCH/L199/DISPLAY/STK_11GAY01_22S_SEGY
SITE         :  RHE-SEISMIC
AP TYPE      :     (CPU)
OPTIONS      : /LIST/NOCHECK/NODUMP/NOMEMCHK/WARN/ACCT/APMASK= -1

POLARITY  NORMAL  - POSITIVE  FILL (22000. MS @ 4.000 MS SAMPLE RATE)
SECOND AVERAGE USING 4 WINDOWS OVER ENTIRE TRACE           INCLUDING ZERO SAMPLES
RMS =  0.951095E-08  GAIN =   0.65  DIRECTION = LR
```