

Project Information

Project: East Moina, Narrawa Extension

Project Number: SJ637/SJV896

Client: Frontier Resources

Survey Date: Jan., 2012

3DIP Data Acquired by: SJ Geophysics Ltd.

3DIP Data Quality Analysis/Processing: SJ Geophysics Ltd. and SJV Consultants Ltd.

Instrumentation

Receiver: DABStix 24-Bit Single Channel Receiver

Transmitter: GDD TX II

Survey Configuration

ARRAY: 3D Interlaced

Number of dipoles: 18 - 20

Dipole size: 100 m interlaced, 50 m effective

Dipole array length: 900 - 1000 m

line spacing: 100 m

Number of survey lines: 5

Properties calculated parameters

Transmitter waveform: square

Duty cycle: 50%

Cycle/Period: 2 sec on / 2 sec off, 8 seconds

Vp calculated parameters: Vp Delay: 1200ms; Vp Time: 600ms

Mx calculated parameters: Mx Delay: 200ms; Number of time windows: 20; Decay Times=36, 39, 42, 45, 48, 52, 56, 60, 65, 70, 75, 81, 87, 94, 101, 109, 118, 128, 140, 154

Headers' Description

UNITS: Metres Coordinates

Datum/Projection: AGD 66/AMG Zone 55

X,Y: Local Coordinates

E,N: Easting, Northing in UTM Coordinates

C1: Current electrode 1

C2: Current electrode 2

P1: Potential electrode 1

P2: Potential electrode 2

Sp (in mV): Self potential

Sp_Error: Error in Sp

Vp (in mV): Voltage potential

Vp_Error: Error in Vp

I (in mA): injected current, measured current from Tx

Ra (in Ohm-m): calculated apparent resistivity

Ra_error (in Ohm-m): calculated apparent resistivity error

Ra_adjusted_error (in Ohm-m): an adjusted error to bring the geometry factor into play

P: normalized potentials (Vp/I)

Mx (in ms): calculated apparent chargeability based on the recorded time window

Mx_error (in mV): apparent chargeability error

Mx_adjusted_error (in mV): an adjusted error to bring in an arbitrary minimum etc.

nstacks: Number of stack

SD: standard deviation

decay_n: potential value of the nth time windows of the decay curve

Mx_Deleted, Ra_Deleted (QC Flags): 1 - record removed from inversion, 0 - good record