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Daily Field Report for Kuth Energy Gravity Survey, April 14th – May 30th 2010

Client: Kuth Energy Ltd.

Area: East coast Tasmania

Grid: Infill stations roads and tracks at approx 1 Km

Survey: Gravity and RTK GPS

Crew: Brian Rau, George Gamtcheff

Equipment: LaCoste #556 gravity meter, Leica 1200 series dual frequency RTK GPS and radio links, computer and processing software.

Vehicle : Nissan 4WD hire vehicle S256-AFW

Accommodation: Oatlands Kentish Hotel, Man O' Ross Hotel Ross

Survey datum: GDA94 points, survey maps and report AMG66 zone 55

Client Representative: Hillary Goh

April 14th

Mobilization

Travel Adelaide to Melbourne, ferry overnight to Davenport.

April 15th

Davenport to Hobart, client meeting and work arrangements then control gravity ties from Hobart airport to Oatlands and Ross

Arranged accommodation in Oatlands at Kentish Hotel.

½ travel, ½ standby

April 16th

Oatland survey area:

Maps local area, contact property GPS access, located survey area properties and access via locked gates.

Located suitable site and arranged access for GPS base on Casaveen Bluff

Rang owners, Des Manning, Brett Hall, Scott Arnold

April 17th

Lemont survey area

GPS base at Casaveen Bluff on Miena, Des Manning property.

100001 to 100018

Established a gravity check base at Lemont

April 18th

Lemont survey area

GPS base at Casaveen Bluff on Miena, Des Manning property.

100019 to 100040

Rang Allan Johnson and Roy Freeman for access.

Seismic noise periods starting

April 19th

Lemont survey area

GPS base at Casaveen Bluff on Miena, Des Manning property.

Alan Johnson tracks, Stonehouse tracks

100041 to 100058

Seismic noise periods continuing

April 20th

Lemont survey area

GPS base at Casaveen Bluff on Miena, Des Manning property.

Stonehouse tracks, Roy Freeman, M6 road, forest tracks

100059 to 100073

Rained on way home.

Seismic noise periods continuing

April 21st

Lemont survey area

GPS base at Casaveen Bluff on Miena, Des Manning property.

Allan Johnson and Stonehouse tracks, Roy Freeman

100074 to 100091

Rang Ian Burbury and Hamish Wallace for access

Seismic noise periods continuing

April 22nd

Lemont survey area

GPS base at Casaveen Bluff on Miena, Des Manning property.

Access via Ratharney, very foggy morning on the highway

Tracks on Ratharney and Trefusis and southern extension of Glen Morey road, a track, no locked gate on boundary, southern end locked, no eastern exit, exit via highway to west.

100092 to 100122

Seismic noise periods continuing

April 23rd

Lemont survey area

GPS base at Casaveen Bluff on Miena, Des Manning property.

100123 to 100128

Arranged to meet property owners on southern properties for access

Elliot McShane, John Tribolet, Max hazelwood, Michael Lawrence.

Seismic noise periods continuing

April 24th

Stonhenge survey area

GPS base relocated at Stonehenge, Elliot McShane.

South Rhodes and Max Hazelwood areas.

200129 to 200151

Seismic noise periods continuing

April 25th

Stonhenge survey area

GPS base located at Stonehenge, Elliot McShane.

Completed Stonehenge and Max Hazelwood areas

200152 to 200172

Seismic noise periods continuing

April 26th

Stonhenge survey area

GPS base located at Stonehenge, Elliot McShane.

Gates opened by John Tribolet today, completed area.

200173 to 200180

Seismic noise periods continuing

April 27th

Forrest Tasmania survey areas

Rang Forrest Tasmania re access to Moaners Tier, we have no key, arranged to change it for us to a key we have for access. Same base used on past survey for radio access to high country.

GPS base relocated to Moaners Tier, Toom Hill 740m, Forrest Tasmania area and locked gate.

300181 to 300189

Seismic noise periods continuing

April 28th

Forrest Tasmania survey areas

GPS base located at Moaners Tier

300190 to 300204

Seismic noise periods continuing

April 29th

Too noisy to continue today.

Standby, data processing

April 30th

Forrest Tasmania survey areas

GPS base located at Moaners Tier

300205 to 300217

Seismic noise periods continuing

May 1st

Forrest Tasmania survey areas

GPS base located at Moaners Tier

300218 to 300241

Seismic noise periods continuing

May 2nd

Forrest Tasmania survey areas

GPS base located at Moaners Tier

Forrest tracks west to Ricky Watson property, gate open, new tracks, good place for a base up high.

Met Ricky, arranged for a key for access.

300242 to 300256

Seismic noise periods continuing

May 3rd

Oatland

Arranged to collect key in Ross.

Areas accessed from Honeysuckle Road

Collected base from Moaners Tier

GPS base relocated to Diamond Tier, Ricky Watson

400257 to 400272

Rang Forrest Tasmania, Triabuna, to change lock again, now finished

Seismic noise periods continuing

May 4th

Ross

Areas accessed from Honeysuckle Road

Moved Hotel from Oatlands to Ross, dropped gear off on way past.

GPS base located Diamond Tier, Ricky Watson

400273 to 400297

Contacted Tom Dunbabin re property access, advised will be on property Thursday, gates will be opened.

Seismic noise periods continuing

May 5th

Areas accessed from Honeysuckle Road

GPS base located Diamond Tier, Ricky Watson

Morrison north east areas

400298 to 400323

Seismic noise periods continuing

May 6th

Areas accessed from Honeysuckle Road

GPS base located Diamond Tier, Ricky Watson

Tom Dunbabin property on The Quoin, forest tracks, steep country

Able to access tracks in Sandy's property, Morrison, in locked out area.

400324 to 400345

Seismic noise periods continuing

May 7th

Areas accessed from Honeysuckle Road

GPS base located Diamond Tier, Ricky Watson

Paul Kelly property, Sandy Wilson eastern areas

400346 to 400365

Seismic noise periods continuing

Arranged to collect key from Herbert Johnson in Ross before he leaves for Agfest.

May 8th

Areas accessed from Honeysuckle Road

GPS base located to Diamond Tier, Ricky Watson

Herbert Johnson, tracks and access to forest areas at rear, special key

400366 to 400388

Seismic noise periods continuing

May 9th

GPS base located to Diamond Tier, Ricky Watson

Tracks on Morriston, Sandy Wilson

Big seismic event late afternoon could not take readings, too late to wait , getting dark

400389 to 400399

Seismic noise periods continuing

May 10th

GPS base located to Diamond Tier, Ricky Watson

Access forest areas from Herbert Johnson property with key.

Forrest tracks on Charlton, slow going , no access back easily out via tracks to Lake

Leak Road and Campbell Town

400401 to 400416

Seismic noise periods continuing

May 11th

GPS base located to Diamond Tier, Ricky Watson

Access forest areas from Herbert Johnson property with key.

Forrest tracks behind Charlton and Beaufront

400417 to 400437

Seismic noise periods continuing

May 12th

GPS base located to Diamond Tier, Ricky Watson

Forest tracks on Beaufront, collected boom gate key off Lake Leak Road from Julian

400438 to 400448

No seismic noise today after continuous period of noise, Arche had a 7.2 magnitude Quake and it has stopped.

Returned key

Seismic noise periods continuing

May 13th

Ross survey area

GPS base relocated to Beaufront, Julian Von Bibra

Logging tracks on Beaufront

500449 to 50472

Seismic noise periods abating

May 14th

Ross survey area

GPS base located Beaufront, Julian Von Bibra

Continued tracks on Charlton
500473 to 50493
Hillary Goh on site today
No seismic noise

May 15th
Ross survey area
GPS base located Beaufront, Julian Von Bibra
Continued on Beaufront
500494 to 50505
Rang Wayne Davey, advised not to come out on weekend as shooters on Windfall then. Contacted Robbie O'Conner for key collection, Monday morning too.
No seismic noise

May 16th
Ross survey area
No access for GPS base due to hunters on properties this weekend, cannot change areas at short notice.
Paperwork planning day as weekend not safe in this area with shooters on site.

May 17th
GPS base relocated to Windfall
Collected key from Robert O'Conner at Benham, Avoca, very foggy morning.
GPS base relocated to Windfall, Wayne Davey manager left key for us to collect.
Tracks on Windfall, checked gates on next property stone house track poor.
600506 to 60519
Returned key to Wayne
No seismic noise

May 18th
GPS base relocated to Blue Tier, Forrest Tasmania
Tried key Robert supplied, did not open gates as required.
Continued forest tracks.
700520 to 70534
No seismic noise

May 19th
GPS base relocated to Blue Tier, Forrest Tasmania
Forest tracks and Robert O'Connor's forest tracks north side of highway
700535 to 70547
No seismic noise

May 20th
GPS base relocated Blue Tier, Forrest Tasmania
Collected Gunns Y75 key for access to plantation areas where owner had no key available.
Accessed plantation areas on Robert O'Connor's property
Moved to plantation areas, Robert Shaw.
700548 to 70564
No seismic noise

May 21st

GPS base relocated Blue Tier, Forest Tasmania

Completed plantation areas on Roger Shaw's property, could not access eastern area as tracks not connected and no key available this week.

700565 to 700583

Located repeater walking access on tall hill, to complete forest tracks east, Crossings Road, late finish steep tracks.

Pulled out base for local infill as locked gates have now restricted access.

Rang Ian Burbury for access on weekend, confirmed Ok, away just advise the people on property.

May 22nd

Ross

Arranged ferry departure, none available until 29th May and not 24th as planned.

Last data sent to Dave Leaman.

Infill planning and data processing day as not rushed for departure. Contacted some property owners where additional readings can be taken with new GPS base location on western side.

Roger Shaw available Tuesday for property access if we are still in the area.

Day off.

May 23rd

GPs base locate near Mona Vale on John Cameron's property

Infill areas on Ratharney, Ian Burbury.

Found some good access via logging roads and farm tracks.

800584 to 800597

Cows shut down radio base late afternoon just before area completion.

No seismic noise

May 24th

Ross

Returned key to Robbie O'Connor at Benham on Avoca Road.

Gravity base ties from Ross at Hotel and P.O. to Oatlands to Hobart airport base and return to Oatlands and both Ross bases.

May 25th

Ross

Completing data processing.

Rang Roger to confirm access to his property, delayed not until Wednesday morning.

Office confirmed to complete missing area at Lake Leak on Roger Shaw's property when key will be available on Wednesday.

May 26th

Ross

Rang Roger to confirm he will be on site next morning.

Day off, access not available

May 27th

Ross

Very early start to set GPS base up again on Blue Tier before meeting property owner near Lake Leak.

Met Roger Shaw at locked gate at 8:30 am as arranged, he will open other locked gate if key works, showed us where he kept gate keys for property access.

700598 to 700613

Set up radio repeater to access some eastern regional tracks, slow going as overgrown.

Track had fallen tree, too dark to continue, back to pick up repeater via a walk to a hill top. Back to GPS base and pack up.

No seismic noise

May 28th

Ross

Infill gravity stations, set up new GPS base in cleared forest area.

Survey forest tracks in area data missing, some tracks too dense for GPS readings.

Some tracks not available as logging in progress with tree felling crews.

900614 to 900626

No seismic noise

Packed up all field gear, completion of survey

May 29th

Ross

Pack up for departure and travel to Hobart to return client maps and equipment.

Heavy rain showers on way south.

Ferry bookings full, no sleeping accommodation on this trip, vehicle space only.

May 30th

Travel from ferry arrival at Melbourne to Adelaide, rain showers persisted.

Posted Y75 key back to Gunns at Triabunna, no deposit taken.

Summary of survey days:

Travel: April: 14, ½ of 15

Survey: April: 17,18,19,20,21,22,23,24,25,26,27,28, ,30

Standby: April: ½ of 15,16

Seismic Noise: April: 29

Survey: May: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,17,18,19,20,21,23,24 ,27,28

Standby: May: 16,25,

Day off: May: 22,26

Travel: May: 29, 30

For Solo Geophysics & Co.

Brian Rau