



**ORIGIN ENERGY
2006 SEISMIC SURVEY
SPRING GULLY 2D**



OPERATIONS REPORT

FOR
ORIGIN ENERGY
JANUARY 2006

BY

M.G.KNEIPP

OF

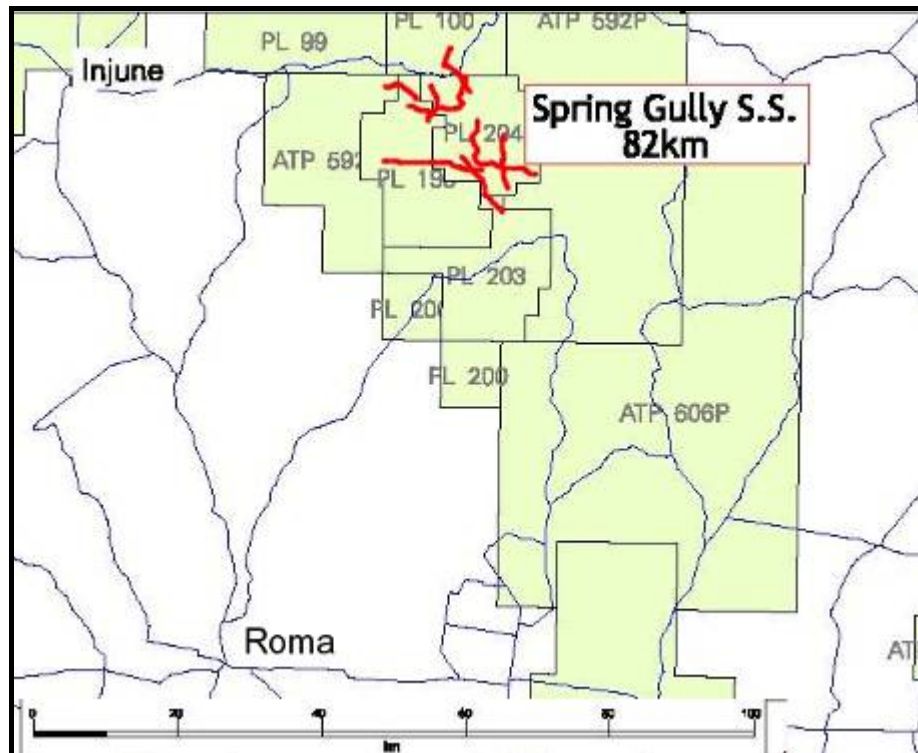
**TERREX SEISMIC
U2 / 37 HOWSON WAY
BIBRA LAKE
WESTERN AUSTRALIA 6163**

TABLE OF CONTENTS

1.	INTRODUCTION	PAGE
1.1	Geographical Area	4
1.2	Weather	5
1.3	Logistics	6
2.	SURVEY	
2.1	Surveying / Chaining	7
2.2	Line Clearing	7
2.3	Permitting	7
3.	RECORDING / PROCESSING	
3.1	Recording Parameters	8
3.2	Recording Summary	9
3.3	Processing	10
4.	APPENDIX	
(A)	Equipment	11
(B)	Occupational Health & Safety Standards	12
(C)	Tape Listing	13
(D)	HSE Report	14
(E)	Safety Meetings	15 - 19
(F)	Vehicle List	20
(G)	Crew List	21
(H)	Daily Reports	22 - 35
(I)	Recording Statistics	36

1. Introduction

Terrex Seismic was contracted by Origin Energy to conduct seismic recording operations for approximately 78 km of 2D data. This was within the Bowen Basin PL's 100/195/204 in southern Queensland.

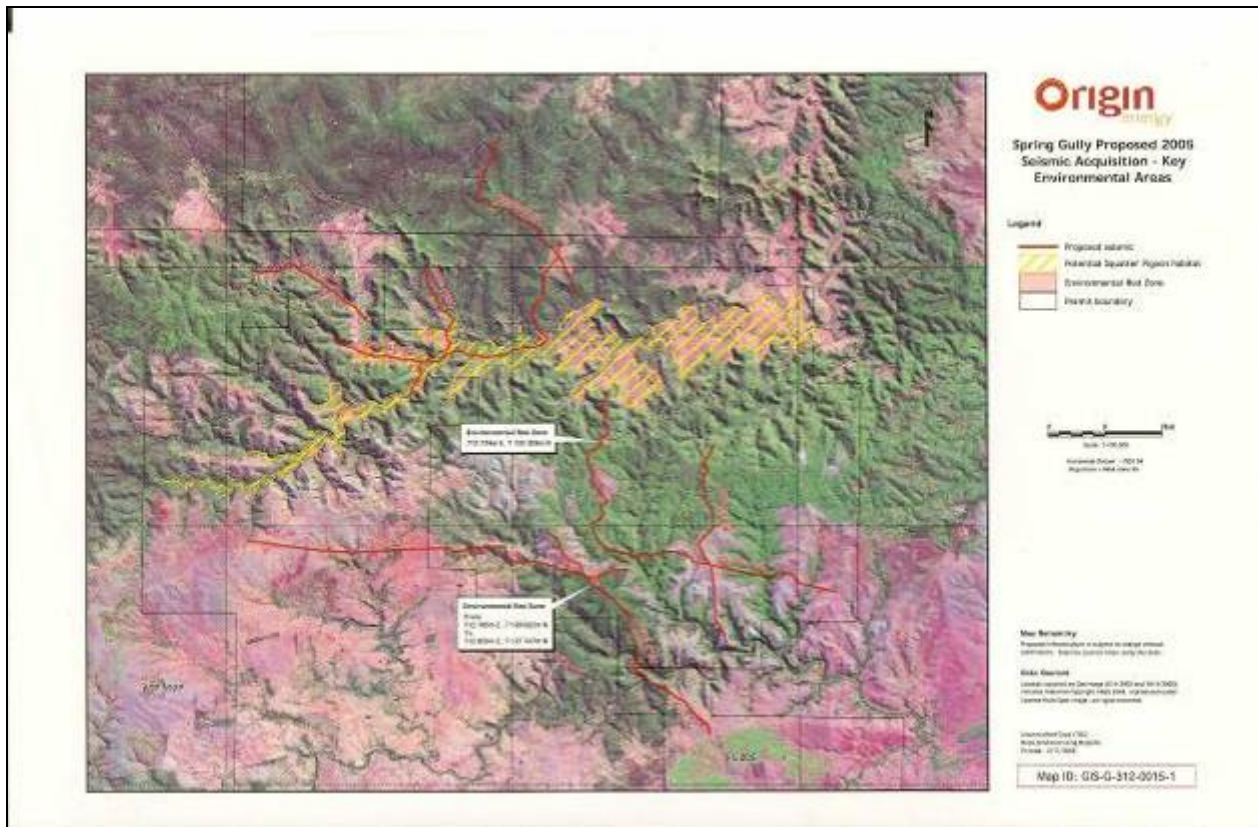


Westmar 2D Location Map

1.1 Geographical Area

The acquisition area of the Spring Gully 2D was situated approximately 40 km west of the township of Injune.

The Spring Gully 2D seismic survey overlay consisted of cattle stations and forestry areas within some rough scarps and gorges. The lines were laid, where possible, along pre-existing forestry roads and farm tracks in the valleys to avoid traversing the steep hills.



The Spring Gully Survey covered some environmentally sensitive areas in some very rough terrain

1.2 Weather

The weather remained predominately fine and hot over the period of the survey. A minor delay was experienced on the 19th of January due to localized thunderstorms. The thunderstorms were limited to a small area over sandy terrain and production was delayed by two and a half (2 ½) hours only.

1.3 Logistics

Acquisition commenced on the 19th January 2006 on PL100 after mobilizing from Origin Energy Condabri 2D in QLD on the 17th January. Acquisition was completed on the 14th January 2006.

All line equipment was mobilized from Miles to Origin Energy's Spring Gully camp via Roma, a distance of approximately 300 km by Terrex personal.

Vehicle wash down inspections were completed at Roma on the 17th & 18th January by Greg Jackson of Origin Energy before commencement of work.

Access to the lines was via local roads and farm tracks.

The accommodation and meals for the crew was provided by the Spring Gully Camp.

The site office, mechanic's workshop and cable technician workshop was situated at the Spring Gully Construction Camp.

Fuel for all vehicles was supplied by Origin Energy at the Spring Gully camp.

All freighting for Crew 401 whilst at the Spring Gully 2D was provided by Terrex Contracting.

All other logistics were supported out of Terrex Seismic Perth Office.



Line Conditions varied considerably through the Survey

2. SURVEYING

2.1 RANGING / CHAINING / SURVEYING

Line chaining and survey for the entire program were completed by Dynamic Satellite Surveys personal.

2.2 LINE CLEARING

All line clearing was performed by Aztex Earthmoving.

2.3 PERMITTING

Permitting was carried out by Mr. Lindsay Horn. Although, Sam Coniglio was the client representative on site for the entire contract.

3. RECORDING / PROCESSING

3.1 RECORDING PARAMETERS

Spring Gully Seismic Survey, PL 195, 203, 204

Acquisition Type:	Sercel 388 – 24 Bit Telemetry System
Energy Source:	2 x Input-Output 42,000lb Peak Force 6x6 Truck mounted Vibrators Online
Vibrator Point Interval:	15 metres
Vibrator Array:	12.5 m Pad-Pad / No Moveups
Vibrator Array Location:	Centred on Station Pegs (Centred at SP 100)
Receivers:	12 x 10 Hz SM24 Geophones / Group
Receiver Interval:	15 metres
Receiver Array:	15 metres (12 phones)
Receiver Array Location:	Centred between Stations (Centered at SP 100.5)
Sweep Length:	2.0 – 6.0 sec
Number of Sweeps:	2
Sweep Type:	Monosweep or Varisweep
Sweep Frequencies:	12 – 160 Hz (dependent on field tests)
Sweep Taper:	200 msec Taper
Sweep Control:	Pelton Advance 2 Model 5
Accelerometers:	Pelton M5 High Performance
Similarity System:	Pelton VIBRA-SIG
Peak Force:	44000 lbs
Hold Down Weight:	44,200 lbs
Vibrator Drive Level:	Force Control On – 80% Peak Force
Phase Lock:	Ground Force Phase Lock
No. of Channels:	160 Channels
Maximum Offset:	1192 metres
Fold:	80 Fold
Record Length:	2.0 seconds
Correlation Sample Rate:	1 millisecond
Written to Tape S.R.:	1 millisecond
Output Data Format:	SEG D

3.2 RECORDING SPRING GULLY PROSPECT

The first production profile was recorded on line OSG06-06 on the 19th January 2006. Acquisition began at 1517 after the completion of wire lines and testing on that same morning.

Line OSG06-06

Recording commenced on this line on the 19th January from station 104 and was completed the next day at station 528, a total of 6.360 km.

Line OSG06-02

Recording commenced on this line on the 20th January from station 103 and was completed the next day at station 441, a total of 5.070 km. 5 Stations were skipped due to terrain.

Line OSG06-03

Recording commenced on this line on the 21st January from station 87 and was completed the next day at station 922, a total of 12.510 km. Four (4) stations were skipped due to terrain.

Line OSG06-01

Recording commenced on this line on the 22nd January from station 100 and was completed the next day at station 638, a total of 8.070 km. Eleven (11) stations were skipped due to terrain.

Line OSG06-04

Recording commenced on this line on the 24th January from station 113 and was completed the next day at station 1009, a total of 13.440 km. Fifty-two (52) stations were skipped due to very rough terrain and proximity to landholder improvements.

Line OSG06-08

Recording commenced on this line on the 26th January from station 654 and was completed the next day at station 102, a total of 8.280 km.

Line OSG06-05

Recording commenced on this line on the 27th January from station 100 and was completed the 29th January at station 1037, a total of 14.055 km. Thirty (30) stations were skipped due to steep terrain.

The completion of line 05 concluded acquisition on the Spring Gully 2D seismic survey, a total of 5109 VP's, One hundred and forty-three (143) skipped stations and 78.660 km recorded.



**Some steep hills with loose ground required the vibrators be towed up.
The VP's pictured were recorded as skips.**

3.3 PROCESSING

All data 'A' tapes and Data 'B' tapes were sent to Origin Energy Limited in Brisbane.

APPENDIX “A”

EQUIPMENT SPECIFICATIONS

SEISMIC ACQUISITION CREW - EQUIPMENT

RECORDING EQUIPMENT, SOURCE EQUIPMENT AND VEHICLES

3.1.1 RECORDING EQUIPMENT

- SERCEL 388 - 24 Bit 3D Seismic Data Acquisition System
- Sun Monitor and Sun Sparc 5 Computer
- OYO DFM 480 Plotter, UPS, LIM
- One (1) Sercel Real Time APM - Sweep Correlator
- Two (2) Fujitsu 3490 Tape Drives
- One Hundred and Ten (110) SU6 Telemetry units (660 Channels)
- Two Hundred and Twenty (220) 3 T/O Seismic Cables (660 Channels)
- Twenty (20) Sercel PSUs
- Four (4) Sercel CSUs
- Six (6) CSU Patch Cables
- Twenty (20) Battery case power Cords
- Forty (40) Batteries for SU6 Units
- One (1) Sercel Handheld Cable Tester
- Four (4) Sercel Battery Chargers
- Pelton Vibra Sig Real Time Similarity System
- One (1) 10 metre 6 DB Boost High Gain Antenna on Recording Truck
- One Thousand three hundred and twenty (1320) Geophone strings (Sensor SM4 10Hz High Spec Superphones) with 6 ph/group (660 Channels with 12 phones/group)
- One (1) Sensor SMT100 Geophone Tester

The Contractor warrants that at any one time 90% of the equipment will be available to be used in the field and up to 10% may be undergoing repair and maintenance.

Source Equipment

- Four (4) HEMI 44 6x6 Truck mounted Vibrators:
(Peak force is 44000lbs per Vibe and Hold-Down weight is 44200lbs per Vibe)
- Four (4) Pelton Advance 2 Model 5 Vibrator Control Electronics
(One (1) Pelton Encoder Sweep Generator for Recorder Three (3) operating Online and One (1) on Standby; Electronics are capable of Trade Marked Varisweep)

APPENDIX “B”

OCCUPATIONAL HEALTH AND SAFETY STANDARDS

The Contractor will provide on site, a site Safety Manager as defined under the new QLD Petroleum Acts, and will comply with the SMP and the Procedures, (which include the Contractor's Site Specific Safety Plan (“SSSP”). These documents include, but are not limited to, the following pre-survey components:

- a) Risk and Hazard Assessment
- b) Medevac Plan completed for each seismic survey.
- c) Personnel Interviews, Fitness Medicals, 5 Panel Drug Tests, Random Drug and Alcohol testing on crew.
- d) Personnel Contracts (Certified Agreement), Induction Course, Driving Assessment, Driver Training completed on crew.

And the following operational components:

- a) Crew startup induction
- b) Daily workgroup toolbox meetings
- c) Weekly senior personnel performance/operations meetings
- d) Weekly crew safety meetings
- e) Sunscreen supplied at no cost to all crew members
- f) Hats, shirts and covered safety footwear must be worn by field crew at all times
- g) Reflective orange safety vests for all survey and recording crew personnel
- h) Mobile satellite telephones with email facilities and Fax machines are maintained on crew to assist with safe operations.
- i) Crew Medevac procedures in place as per SSSP
- j) Full International Red Cross standard First Aid Kit
- k) At least 2 people on site at any one time have senior first aid accreditation

APPENDIX 'C'

3490E Tape Listing

Tape Summary -Spring Gully 2D S/S

Tape #	Line #	First FFID	Last FFID	First VP	Last VP	Date Recorded
1A	OSG06-06	1	22	200.5	200.5	19-Jan-06
2A	OSG06-06	23	450	104.5	528.5	19-20-Jan 06
3A	OSG06-02	451	789	103.5	441.5	20-21Jan 06
4A	OSG06-03	790	1225	87.5	513.5	21-Jan-06
5A	OSG06-03	1226	1632	514.5	922.5	22-Jan-06
6A	OSG06-01	1633	2166	100.5	638.5	22-23 Jan 06
7A	OSG06-04	2167	2539	113.5	487.5	24-Jan-06
8A	OSG06-04	2540	3028	488.5	1008.5	24-Jan-06
9A	OSG06-08	3029	3431	654.5	271.5	26-Jan-06
10A	OSG06-08	3432	3601	270.5	102.5	29-27-Jan 05
11A	OSG06-05	3602	3938	100.5	446.5	27-Jan-06
12A	OSG06-05	3939	4352	447.5	870.5	28-Jan-06
13A	OSG06-05	4353	4520	871.5	1037.5	28-29 Jan 06
14A	OSG06-07	4521	4934	100.5	508.5	29-Jan-06
15A	OSG06-07	4935	5211	551.5	825.5	30-Jan-06

APPENDIX “D”

HSE End of Contract Report

Origin Energy Spring Gully 2D Survey

• Terrex Seismic Man-hours.....	4596
• First Aid / Medical Cases.....	1
• Incident / Accident Reports.....	1
• Hazard Identification Reports.....	1
• Training Hours.....	93
• Toolbox / Safety Meeting Man-hours.....	137
• Drills.....	0
• Land Spills (<5 litres).....	0
• Audits and Inspections.....	150

APPENDIX "E"

Safety Meetings

SAFETY MEETING



Date: 22/01/06
Location: Spring Gully 2D
Crew: 401
Client: Origin Energy
Conducted by: Mark Kneipp
Attendance: All
Meeting opened: 6.00 am
Meeting closed: 6.30 am

TOPICS DISCUSSED

Mark Kneipp (Party Man.)

- I have some line traces here to hand out.
- Still looking at the access from line #1 to line #4, looking like the longer access will be better to use.
- We have a new hire with us, her name is Kelly.

Tony Hutchison (Line Boss)

- No problems on line #3 so far; the crew has done a good job.
- Just remember to take it steady when accessing through the creek section at stn 588, moving onto line #1 next.

Lindsay Horn (Field Supervisor)

- The lines get quite sandy further up so you might have some problems.
- Line #4 crosses through some steep country and gets quite dusty as well.
- Matt and Ray have been doing a fair bit of dozer work fixing the road into the gorge to make it smoother and safer for travelling on.
- I have a sheet of data here which shows a sample of the results of your work so far. The data originates from the recorder and is then sent away for processing. The processing of the data has just begun in Brisbane and is being done by Velseis. Once processed the data looks very different to that which

originated from the recorder. The sheet I have here shows line #9 which was shot beside the highway when you were down at Moonie. On that job you were looking down about 2500m for conventional gas but here at Spring Gully you are looking much shallower for coal seam gas. I will pass around some copies for you to look at.

Dudley Horn (Aztex)

- On line #4 there is a nest of hornets camped in a tree close to a gate. Be aware of this as they are quite nasty, I was stung several times whilst trying to cut branches to try and move this problem. Will try and move the tree today.

Ray Broughton (Aztex)

- Hornets are quite protective of their nest and can see you coming from 100m away so if you hear them watch out.

Mark Kneipp (Party Man.)

- If you do get stung let someone know straight away in case you have an allergy you are not aware of, if you don't you could find yourself in serious trouble.

Ray Auckram (Hse)

- We had a minor reversing incident on Monday, these occurrences are totally preventable and should not happen. Terrex has a policy on reversing and the purpose of this policy is to eliminate unnecessary reversing of all vehicles and reduce to a minimum the hazards. The main points of this policy that concern driver behaviour are:
- **Avoid** parking your vehicle in such a way that only allows you to reverse out, try to position your vehicle in a way that allows your direction of travel to be forward.
- The driver shall **walk** around their vehicle and ensure a clear path of travel by **identifying potential hazards** and removing them if possible
- Reverse gear should be used only as a **last resort**.
- When reversing where personnel, equipment or local hazards are present you must use a **ground guide**.
- If driving a truck then you must use a **ground guide**.
- So basically don't become complacent and keep your mind on the job, taking an extra 5 or 10 min to safely finish your task before you knock off for the day will not hurt anyone.
- Clint has let me know that he has cooler bags and ice bricks to keep your lunches fresh if anyone needs one. See me after the meeting if you would like one.

MEETING CLOSED.

Ray Auckram Hse

SAFETY MEETING



Date: Sunday 29/01/06
Location: Spring Gully 2D
Crew: 401
Client: Origin Energy
Conducted by: Mark Kneipp
Attendance: All
Meeting opened: 6.00 am
Meeting closed: 6.30 am

TOPICS DISCUSSED

Mark Kneipp (Party Man.)

- I have another map for you, this one shows the hand carry section and detour around to the southern side.
- If all goes well we should be finished shooting by Monday and in Injune by Tuesday evening.
- When driving on slopes remember to wait for the vehicle in front to clear the slope before proceeding on to it and keep your speeds down when travelling around on detours.

Tony Hutchison (Line Boss)

- Garry will be on line today, we will have both jug trucks working today.
- Ray and Chris will lay the cable through the hand carry for us so you will only have to put boxes in there.
- Make sure you get your load counts right as I do not want people heading around the detour and coming up short with the gear they require, the detour is a very lengthy one.
- All going well out there, should be in Injune on Tuesday.

Lindsay Horn (Field Supervisor)

- Stn 475 is where the dozed section of line ends; there is a turnaround for the vibes.
- This was the wrong GPS point and we can get vehicles further down to stn 507, unfortunately the dozer had already left the area so Dudley has hand cleared that section for light vehicles to access; we will have to wait and see how the vibes will go. Glen took a chainsaw and quad bike into the south side and cleared another 3 to 400m so we have managed to reduce the estimated hand carry from 1.5 kms down to about 600m.

- There are some pretty steep slopes in and out of the hand carry which Ray will discuss with you shortly.
- Ben and I went in there yesterday and used the GPS to mark out the line, we will go back this morning and place the pegs through there.
- There detour around to the south side will be flagged for better access.
- I was leaving line #7 yesterday when I came across a vehicle that was doing something that they should not have been doing. They had come through a gate and left it opened, I am sure they were nearly finished what they were doing and they were not too far from the gate but that is no excuse. There were no cattle around to be seen but that is no guarantee. We are already paying the mustering costs involved with some cattle that got through a gate down on the Westmar site. I get a little tired copping flak from annoyed landowners, it is there land so be a little courteous. In future we may look at putting the cost back onto the contractor.
- If you go through a gate you close it, it is as simple as that.
- Once you get into the confined area with the bunting on the sides and are working towards the hand carry the area becomes very dusty, there is very little wind in there so take it easy.
- The bunting is there to protect the sensitive vegetation that is growing in there and the hand carry is there because of the cultural significance of this section of line.

Ray Auckram (Hse)

- The terrain you will encounter today during the hand carry, mainly on the northern side, will be sloping and consist of an uneven loose rocky surface with gutters caused by erosion running down the face. Watch your footing and keep your mind on what you are doing.
- Chris and I will have already laid the cable through so all you need to do is lay out the boxes and geophones.
- This morning I want to discuss the **Stepping and Manual Handling** techniques that you need to think about when you are in the hand carry today. IF you go down a steep slope with a loose surface and you have your back to the face of the slope then what can happen is that if you do slip or trip and fall you will most likely **A**: fall forward in a fashion much like diving off a spring board but without the water and land with a heavy impact. The potential outcome of this is severe head injuries, internal injuries, severe bruising, cuts and abrasions, bleeding and broken bones etc. or **B**: fall backwards which would expose the back of your skull and spine to injury which could be potentially life threatening or require long term rehabilitation. The best way to attack this situation is to adopt a side-ways or crab-like motion whereby you lead with the outside leg and then follow with the inner leg, repeat this down the slope until you reach the bottom or until the slope becomes gentler. The positives to this technique are that you maintain better balance and body weight support; there is less likelihood of falling and if you do slip then you will be in a position to throw out your arm to help cushion the impact. You will land on your side but you will have better control over the situation and should be able to avoid serious injury.
- As far as manual handling goes I just want people when carrying loads in and out of the hand carry to not over burden themselves, stick to small loads. I want everyone to work together and help each other to get the job done. If you see someone struggling then go and help them, it is not going to be a race in there to get the spread out. I want everyone to take their time and not get any injuries.
- This is a safety meeting so let's get some participation from the crew.

Bob Garden (Vibe Tech.)

- When exiting the vibe be careful leaving it unattended. Make sure that the park brake is on and if you are pressured up then have the pad in the down position, remember to ensure your pad switch is also in the down position.

Lisa Welsh (Front Crew)

- When working around the hills try and work in pairs.

Ruth Pitt (Back Crew)

- The dust can be a problem at times so can drivers slow down a bit more.

Ray Auckram (Hse)

- When driving down the line you need to be aware of the wind direction and slow down a lot sooner than you think.

Christine Smith (Geophone Truck)

- Can back crew put some thought into where they place the geophones on the track for scooping; avoid obstacles and not too far off the line.

Dudley Horn (Aztex)

- I did it on some of the gates at Westmar but you may have noticed that every gate on this survey has a ring with a hook attached to it. The hook stops the ring from sliding up or down so if cattle play with the gate it won't come open.

Sam Coniglio (Client Rep.)

- If you come across any artifacts in the hand carry section please do not disturb them.
- Beware of cattle crossing the road at night, I had to slow down to avoid one last night.

Ben Allsop (DSS)

- There are other work groups in the area so be aware of this when driving around.

Lindsay Horn (Field Supervisor)

- Origin does own the lease but there are cattle here on agistment that belong to the landowner from Pony Hills. If you do see cattle that are in distress then let us know and we will pass on the information to the owner and they can take it from there.

MEETING CLOSED.

Ray Auckram Hse

Appendix "F"

Vehicle Listing

LIGHT VEHICLE LIST			
#	VEHICLE	USED FOR	REGISTRATION
1	Land Cruiser Tray Back	Cable Truck	1BGN 212
2	Land Cruiser Tray Back	Cable Truck	1BSJ 242
3	Land Cruiser 100 Series	Vibe Crew	1CCL 562
4	Land Cruiser Tray Back	T/Shooter	1BRJ 753
5	Land Cruiser Tray Back	Jug Ute	1BHD 550
6	Land Cruiser Tray Back	Jug Ute	1BEK 496
7	Land Cruiser 100 Series	Back Crew	1BWF 930
8	Land Cruiser 100 Series	Front Crew	1 BYK 183
9	Land Cruiser Tray Back	Office	013 IZQ
10	Land Cruiser 100 Series	Hse/Ambo	658 057
11	Toyota Tray Back	Line Boss	302 JCO
HEAVY VEHICLE LIST			
1	Isuzu FTS 700	Service Truck	ALU 225
2	Paystay	Spread Truck	626-JAH
3	Paystar	Spread Truck	371JCN QLD
4	International Paystar	Vibrator	372 JCN QLD
5	International Paystar	Vibrator	373JCN QLD
6	International Paystar	Vibrator	374 JCN QLD
7	International Paystar	Vibrator	375 JCN QLD
8	International Paystar	Vibrator	376 JCN QLD
9	Izusu STF	Recorder	1CAA 534
10	Izusu	Mechanics wkshop	1CCC561

Appendix "G"

Crew List

TERREX SEISMIC CREW LIST FOR ORIGIN ENERGY WESTMAR 2D SEISMIC SURVEY

	<u>NAME</u>	<u>POSITION</u>	<u>DAYS ON CREW</u>
1	Crew Manager	Kneipp Mark	13
2	Crew Manager	Turner Jon	1
3	HSE Advisor	Auckram Ray	14
4	Mechanic	Smith Rob	14
5	Observer	Whitehead Frank	7
6	Observer	Berger Dave	14
7	Cable Repair	Bailey-Garden	13
8	Cable Repair	Grams Chris	14
9	Vib Op	Anderson Peter	14
10	Vib Op	Parityn Clive	14
11	Vib Op	Crispe Snr Doug	11
12	Vib Op	Timms Garry	14
13	Vib Op	Turner Karen	3
14	Vib Tech	Garden Bob	14
15	Vib Tech	Corbin Dennis	0
16	Vib Tech Jnr	Doug Crispe Jnr	14
17	Line Boss	Hutchison Tony	14
18	Line Boss	Pope Justin	3
19	Line Crew	Bishoff Daryn	14
20	Line Crew	Tapping Carl	14
21	Line Crew	Crispe Anita	14
22	Line Crew	Eberhardt Simon	14
23	Line Crew	Pitt Ruth	14
24	Line Crew	Gilmore Grant	14
25	Line Crew	Welsh Lisa	14
26	Line Crew	Roberts Wade	14
27	Line Crew	Scouller Clinton	14
28	Line Crew	Shanks	10
29	Line Crew	Wood Sue	14
30	Line Crew	Lowry Rob	14
31	Line Crew	Smith Christine	14
32	Line Crew	Blay Jonathon	14

DAILY REPORT TERREX SEISMIC CREW 401

Client: Origin Energy
Prospect: Spring Gully 2D
Area: PL 195/203/204
State: QLD

Crew Manager: Jon Turner
Client Rep: Sam Coniglio
Weather: Fine
Date: Tuesday, 17 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files		Totals	Combined Prospects Totals	
										VP's.....	0	
										Cum.VP's.....	0	VP's.....
										Skips.....	0	
										Cum.Skips.....	0	Skips.....
										km.....	0.0000	
										Cum.km.....	0.0000	Kms.....
												11449
												327
												262.4875

HOURS	Travel.....	1.00								Non-Charge.....		
	Recording.....									Toolbox Meeting.....	0.25	
	Recorder Move.....									Vibes...		
	Line Change.....									Recorder/Instuments...		
	QC & Test.....									Troubleshooting		
	Experimentals.....									WOS.....		
	Detours.....									Other.....		
	WOS.....									Non Charge Hrs.....	0.25	
	Layout/Pickup Spread.....									Total Non Charge(Job)	28.27	
	Other.....											
	Induction.....									Day Chg Hrs	1.00	
	Safety Meeting.....									Total Chg Hrs.(Job)	331.75	
	Washdowns.....	5.00								Day.Standby.Hrs	8.00	
	Weather.....									Total.Stby.Hrs.(Job)	62.91	
	Standby(Other).....	3.00										
	Extra Travel.....	0.75								Extra Tvl Chg Hrs	0.75	
										Total Tvl Chg Hrs(Job)	45.39	
										Total Day Hrs	10.00	

COMMENTS:	Layout:				Pickup:			
	Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
Weather: Fine Bad Cable: Bad Phones: Bad Boxes: Toolbox at 6:00am. Line crew mobilized from Miles to Roma for washdown and inductions today. Crew departed Miles at 6:45am and arrived Roma at 8:30am. Washdown pad was already occupied by cattle truck washing down, unable to commence washdown until 12:00 midday, most line vehicles completed by 5:00pm with one spread truck remaining for tomorrow morning. Induction organized for 8:30am tomorrow morning. One cable repair and one line crew arrived in camp today with extra hire vehicle. Tape shipments 4A and 2B prepared for handcarry back to Brisbane with Origin personnel tomorrow. 8 Hrs Washdowns and inspections charged separately. (Spring Gully washdown)								
			Total	0		Total		0

ENVIRONMENTAL/HAZARD REPORTING

QUESTION: WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?	YES	NO
	<input type="checkbox"/>	<input checked="" type="checkbox"/>

COMMENTS:

Crew Manager _____

Client Rep _____

DAILY REPORT TERREX SEISMIC CREW 401

Client: Origin Energy
Prospect: Spring Gully 2D
Area: PL195/203/204
State: QLD

Crew Manager: Mark Kneipp
Client Rep: Sam Coniglio
Weather: Afternoon showers
Date: Wednesday, 18 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files		Totals	Combined Prospects Totals	
										VP's.....	0	
										Cum.VP's.....	0	VP's..... 11449
										Skips.....	0	
										Cum.Skips.....	0	Skips..... 327
										km.....	0.0000	
										Cum.km.....	0.0000	Kms..... 262.4875

HOURS	Travel.....	1.00								Non-Charge.....		
	Recording.....									Toolbox Meeting.....		
	Recorder Move.....									Vibes...		
	Line Change.....									Recorder/Instuments...		
	QC & Test.....									Troubleshooting		
	Experimentals.....									WOS.....		
	Detours.....									Other.....		
	WOS.....									Non Charge Hrs.....	0.00	
	Layout/Pickup Spread.....									Total Non Charge(Job)	28.27	
	Other.....											
	Induction.....	2.00								Day Chg Hrs	1.00	
	Safety Meeting.....									Total Chg Hrs.(Job)	332.75	
	Washdowns.....	2.50								Day.Standby.Hrs	5.00	
	Weather.....									Total.Stby.Hrs.(Job)	67.91	
	Standby(Other).....	0.50										
	Extra Travel.....	1.00								Extra Tvl Chg Hrs	1.00	
										Total Tvl Chg Hrs(Job)	46.39	
										Total Day Hrs	7.00	

COMMENTS:	Layout:				Pickup:				
	Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations	
Weather: Afternoon showers									
Bad Cable: Bad Phones: Bad Boxes:									
Late start due to Inductions									
Crew went to Aztex yard @ 0800 to unload paystar to clean tray under cables for washdown									
Washdown inspection completed and inductions for Spring Gully S/S started @ 1030									
Induction completed @ 1230, lunch/crew return to Aztex yard @ 1330 to start camp move, leaving @ 1430 when trucks are ready									
Arrived at Spring Gully camp @ 1630, room allocations ect until 1700									
No spread laid out due to late arrival									
Tape shipment 4A (Westmar 2D) sent with Amy Kingston(Origin)									
2.5 hrs (washdown) to be invoiced separately "Spring Gully washdown charge"									
Total				0	Total				0

ENVIRONMENTAL/HAZARD REPORTING

QUESTION: WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?

YES NO

	X
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COMMENTS:

Crew Manager



Client Rep _____

DAILY REPORT TERREX SEISMIC CREW 401

Client: Origin Energy
Prospect: Spring Gully 2D
Area: PL195/203/204
State: QLD

Crew Manager: Mark Kneipp
Client Rep: Sam Coniglio
Weather: Afternoon showers
Date: Thursday, 19 January 2006

TERREX RECORDING


Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files		Totals	Combined Prospects Totals	
OSGO6-06	1-172	104-251	2.2050	148	0	3	21			VP's..... 148 Cum.VP's..... 148 Skips..... 0 Cum.Skips..... 0 km..... 2.2050 Cum.km..... 2.2050	VP's.....	11597
											Skips.....	327
											Kms.....	264.6925

HOURS	Travel.....	1.00	Non-Charge.....		
	Recording.....	1.70	Toolbox Meeting.....		0.17
	Recorder Move.....		Vibes...		
	Line Change.....		Recorder/Instuments...		0.05
	QC & Test.....		Troubleshooting		
	Experimentals.....	2.97	WOS.....		
	Detours.....	0.37	Other.....		
	WOS.....		Non Charge Hrs.....		0.22
	Layout/Pickup Spread.....	2.90	Total Non Charge(Job)		28.49
	Other.....				
	Induction.....	0.33	Day Chg Hrs		8.94
	Safety Meeting.....		Total Chg Hrs.(Job)		341.69
	Washdowns.....		Day.Standby.Hrs		2.83
	Weather.....	2.50	Total.Stby.Hrs.(Job)		70.74
	Standby(Other).....				
	Extra Travel.....	0.18	Extra Tvl Chg Hrs		0.18
			Total Tvl Chg Hrs(Job)		46.57
			Total Day Hrs		12.17

COMMENTS:	Layout:				Pickup:			
	Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
Weather: Afternoon showers	OSOG06-06	104	528	424				
Bad Cable: 0 Bad Phones: 3 Bad Boxes: 0	OSOG06-02	103	217	114				
Origin site induction held in morning after toolbox								
Weather standby until 0930								
Recording commenced @ 1517								
PM & HSE to field in morning to assess line conditions								
Mechanic & Cable Tech to Roma to pick up Mechanics truck								
Total crew # - 28								
			Total	538		Total		0

ENVIRONMENTAL/HAZARD REPORTING

QUESTION: WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?	YES	NO
	<input type="checkbox"/>	<input checked="" type="checkbox"/>

COMMENTS:	
Crew Manager 	Client Rep _____

DAILY REPORT TERREX SEISMIC CREW 401

Client: Origin Energy
Prospect: Spring Gully 2D
Area: PL195/203/204
State: QLD

Crew Manager: Mark Kneipp
Client Rep: Sam Coniglio
Weather: Warm/Fine
Date: Friday, 20 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files		Totals	Combined Prospects Totals	
OSGO6-06	173-450	251-528	4.1550	277				1		VP's.....	539	
OSGO6-02	451-713	103-364	3.9150	262		1				Cum.VP's.....	687	VP's..... 12136
										Skips.....	0	
										Cum.Skips.....	0	Skips..... 327
										km.....	8.0700	
										Cum.km.....	10.2750	Kms..... 272.7625

HOURS	Travel.....	1.00	Non-Charge.....		
	Recording.....	7.41	Toolbox Meeting.....		0.25
	Recorder Move.....	0.50	Vibes...		0.20
	Line Change.....	0.85	Recorder/Instuments...		
	QC & Test.....	1.48	Troubleshooting		0.35
	Experimentals.....		WOS.....		
	Detours.....		Other.....		
	WOS.....		Non Charge Hrs.....		0.80
	Layout/Pickup Spread.....		Total Non Charge(Job)		29.29
	Other.....				
	Induction.....		Day Chg Hrs		11.24
	Safety Meeting.....		Total Chg Hrs.(Job)		352.93
	Washdowns.....		Day.Standby.Hrs		0.00
	Weather.....		Total.Stby.Hrs.(Job)		70.74
	Standby(Other).....				
	Extra Travel.....	0.13	Extra Tvl Chg Hrs		0.13
			Total Tvl Chg Hrs(Job)		46.70
			Total Day Hrs		12.17

COMMENTS:	Layout:			Pickup:			
	Weather: Warm/Fine			Rec Line	Stn	Stn	# Stations
	Bad Cable: 1	Bad Phones: 5	Bad Boxes: 0	OSOG06-02	218	441	223
				OSOG06-03	87	330	243
				OSOG06-02	103	250	147
	PM to field in morning						
	HSE to field in afternoon to scout upcoming line condition						
	Mechanic to Roma to drop off 2 crew members and pick up freight from TC						
	2 crew members resigned, arrangements made for replacements						
	Total crew # - 26						
				Total	466	Total	571

ENVIRONMENTAL/HAZARD REPORTING


QUESTION: WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?

YES NO

☐ ☒

COMMENTS:

Crew Manager



Client Rep _____

DAILY REPORT TERREX SEISMIC CREW 401

Client: Origin Energy
Prospect: Spring Gully 2D
Area: PL195/203/204
State: QLD

Crew Manager: Mark Kneipp
Client Rep: Sam Coniglio
Weather: Warm/Fine
Date: Saturday, 21 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files		Totals	Combined Prospects Totals	
OSGO6-02	714-789	364-441	1.1550	72	5	2		2		498		
OSGO6-03	790-1225	87-513	6.3750	426		8		2		1185	VP's.....	12634
	*OSGO6-03 station 331 does not exist, survey error. Interval between #330 & 332 is 15 mtrs									5	Skips.....	332
										5		
										7.5300		
										17.8050	Kms.....	280.2925

HOURS	Travel.....	1.00	Non-Charge.....		
	Recording.....	7.26	Toolbox Meeting.....		0.25
	Recorder Move.....		Vibes...		0.27
	Line Change.....	0.83	Recorder/Instuments...		0.20
	QC & Test.....	1.27	Troubleshooting		
	Experimentals.....	0.10	WOS.....		
	Detours.....	0.55	Other.....		
	WOS.....		Non Charge Hrs.....		0.72
	Layout/Pickup Spread.....		Total Non Charge(Job)		30.01
	Other.....				
	Induction.....		Day Chg Hrs		11.01
	Safety Meeting.....		Total Chg Hrs.(Job)		363.94
	Washdowns.....				
	Weather.....		Day.Standby.Hrs		0.00
	Standby(Other).....		Total.Stby.Hrs.(Job)		70.74
	Extra Travel.....	0.27			
			Extra Tvl Chg Hrs		0.27
			Total Tvl Chg Hrs(Job)		46.97
			Total Day Hrs		12.00

COMMENTS:

Weather: Warm/Fine
Bad Cable: 1 Bad Phones: 3 Bad Boxes: 0

0.38 Recorder/Inst. DT due to generator problems and vibe error
0.42 Other charge > test sweeps, sweep parameters changed @ start of OSOG06-03
2 LC in via Roma
HSE to Roma to pick up 2 Line Crew
Total crew # - 28

Layout:				Pickup:			
Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
OSOG06-03	331	820	489	OSOG06-02	251	441	190
				OSOG06-03	87	378	291

Total 489 Total 481

ENVIRONMENTAL/HAZARD REPORTING

QUESTION: WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?

YES	NO
	X

COMMENTS:

Crew Manager



Client Rep _____

**DAILY REPORT
TERREX SEISMIC
CREW 401**

Client: Origin Energy
Prospect: Spring Gully 2D
Area: PL195/203/204
State: QLD

Crew Manager: Mark Kneipp
Client Rep: Sam Coniglio
Weather: Warm/Fine
Date: Sunday, 22 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files		Totals	Combined Prospects Totals	
OSGO6-03	1226-1632	513-922	6.1350	405	4	1		1		VP's.....	440	
OSGO6-01	1633-1667	100-134	0.5100	35						Cum.VP's.....	1625	VP's..... 13074
										Skips.....	4	
										Cum.Skips.....	9	Skips..... 336
										km.....	6.6450	
										Cum.km.....	24.4500	Kms..... 286.9375

HOURS	Travel.....	1.00	Non-Charge.....		
	Recording.....	6.46	Toolbox Meeting.....		0.17
	Recorder Move.....	0.67	Vibes...		
	Line Change.....	0.48	Recorder/Instuments...		0.75
	QC & Test.....	1.42	Troubleshooting		
	Experimentals.....		WOS.....		
	Detours.....	0.30	Other.....		
	WOS.....		Non Charge Hrs.....		0.92
	Layout/Pickup Spread.....		Total Non Charge(Job)		30.93
	Other.....				
	Induction.....		Day Chg Hrs		10.33
	Safety Meeting.....	0.25	Total Chg Hrs.(Job)		374.27
	Washdowns.....		Day.Standby.Hrs		0.25
	Weather.....		Total.Stby.Hrs.(Job)		70.99
	Standby(Other).....				
	Extra Travel.....	0.50	Extra Tvl Chg Hrs		0.50
			Total Tvl Chg Hrs(Job)		47.47
			Total Day Hrs		12.00

COMMENTS:					Layout:				Pickup:			
					Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
	Weather: Warm/Fine				OSOG06-03	821	922	101	OSOG06-03	379	922	543
	Bad Cable: 1 Bad Phones: 2 Bad Boxes: 0				OSOG06-01	100	458	358				
0.75 NC, working on phase control, troubleshooting												
Safety Meeting held												
PM to field to drop off new hire, scout upcoming lines and check line crew												
Mechanic to Roma to pick up supplies off TC												

ENVIRONMENTAL/HAZARD REPORTING


QUESTION: WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?

YES NO

☐ ☒

COMMENTS:

Crew Manager



Client Rep

**DAILY REPORT
TERREX SEISMIC
CREW 401**

Client: Origin Energy
Prospect: Spring Gully 2D
Area: PL195/203/204
State: QLD

Crew Manager: Mark Kneipp
Client Rep: Sam Coniglio
Weather: Warm/Fine
Date: Monday, 23 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files			Totals	Combined Prospects Totals	
OSGO6-01	1668-2166	134-638	7.5600	497	7	1		1		VP's.....	497		
										Cum.VP's.....	2122	VP's.....	13571
										Skips.....	7		
										Cum.Skips.....	16	Skips.....	343
										km.....	7.5600		
										Cum.km.....	32.0100	Kms.....	294.4975

HOURS	Travel.....	1.00	Non-Charge.....	
	Recording.....	6.92	Toolbox Meeting.....	0.25
	Recorder Move.....		Vibes...	
	Line Change.....	1.12	Recorder/Instuments...	0.40
	QC & Test.....	0.63		
	Experimentals.....		WOS.....	
	Detours.....	0.35	Other.....	
	WOS.....		Non Charge Hrs.....	0.65
	Layout/Pickup Spread.....		Total Non Charge(Job)	31.58
	Other.....			
	Induction.....		Day Chg Hrs	10.02
	Safety Meeting.....		Total Chg Hrs.(Job)	384.29
	Washdowns.....		Day.Standby.Hrs	0.00
	Weather.....		Total.Stby.Hrs.(Job)	70.99
	Standby(Other).....			
	Extra Travel.....	0.83	Extra Tvl Chg Hrs	0.83
			Total Tvl Chg Hrs(Job)	48.30
			Total Day Hrs	11.50


COMMENTS:					Layout:				Pickup:				
Weather:	Warm/Fine				Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations	
Bad Cable:	0	Bad Phones:	1	Bad Boxes:	0	OSOG06-01	459	638	179	OSOG06-06	100	638	538
						OSOG06-04	113	420	307				
Early finish due to line change late in the afternoon													
Hse to field in afternoon to check upcoming line conditions													
PM to Roma to pick up supplies													

ENVIRONMENTAL/HAZARD REPORTING

QUESTION: WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?

YES NO
☐ ☒

COMMENTS:

Crew Manager  Client Rep _____

DAILY REPORT TERREX SEISMIC CREW 401

Client: Origin Energy
Prospect: Spring Gully 2D
Area: PL195/203/204
State: QLD

Crew Manager: Mark Kneipp
Client Rep: Sam Coniglio
Weather: Warm/Fine
Date: Tuesday, 24 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files		Totals	Combined Prospects Totals		
OSGO6-04	2167-2665	113-619	7.5900	492	15	6		1		VP's..... Cum.VP's..... Skips..... Cum.Skips..... km..... Cum.km.....	492 2614 15 31 7.5900 39.6000	VP's..... Skips..... Kms.....	14063 358 302.0875

HOURS	Travel.....	1.00								Non-Charge.....		
	Recording.....	6.98								Toolbox Meeting.....	0.33	
	Recorder Move.....	1.18								Vibes...	0.28	
	Line Change.....	0.40								Recorder/Instuments...	0.28	
	QC & Test.....	0.85										
	Experimentals.....									WOS.....		
	Detours.....	0.10								Other.....		
	WOS.....									Non Charge Hrs.....	0.89	
	Layout/Pickup Spread.....									Total Non Charge(Job)	32.47	
	Other.....	0.32										
	Induction.....									Day Chg Hrs	10.83	
	Safety Meeting.....									Total Chg Hrs.(Job)	395.12	
	Washdowns.....											
	Weather.....									Day.Standby.Hrs	0.00	
	Standby(Other).....									Total.Stby.Hrs.(Job)	70.99	
	Extra Travel.....	0.28								Extra Tvl Chg Hrs	0.28	
										Total Tvl Chg Hrs(Job)	48.58	
										Total Day Hrs	12.00	

COMMENTS:						Layout:				Pickup:					
Weather:	Warm/Fine					Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations		
Bad Cable:	1	Bad Phones:	2	Bad Boxes:	0	OSOG06-04	459	638	179	OSOG06-04	113	510	397		
15 skips due to terrain being too steep to vibrate and a water tank/trough beside line															
0.40 NC (Vibes) due to Vibe overheating															
0.20 Other Charge due to Having to turn off vibes whilst descending steep terrain															
0.40 Line Change - waiting for vibes to complete line change from line 01															
HSE to Roma to drop off Observer															
1 observer out for break															
PM to field to check upcoming lines															
Total Crew # 27						Total				179	Total				397

ENVIRONMENTAL/HAZARD REPORTING

QUESTION: WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?

YES NO

	X
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COMMENTS:

Crew Manager



Client Rep

DAILY REPORT
 TERREX SEISMIC
 CREW 401

Client: Origin Energy	Crew Manager: Mark Kneipp
Prospect: Spring Gully 2D	Client Rep: Sam Coniglio
Area: PL195/203/204	Weather: Warm/Fine
State: QLD	Date: Wednesday, 25 January 2006

Client: Origin Energy	Crew Manager: Mark Kneipp
Prospect: Spring Gully 2D	Client Rep: Sam Coniglio
Area: PL195/203/204	Weather: Warm/Fine
State: QLD	Date: Wednesday, 25 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files			Totals	Combined Prospects Totals	
OSGO6-04	2666-3028	619-1009	5.8500	353	37	7		3		VP's.....	353		
										Cum.VP's.....	2967	VP's.....	14416
										Skips.....	37		
										Cum.Skips.....	68	Skips.....	395
										km.....	5.8500		
										Cum.km.....	45.4500	Kms.....	307.9375

HOURS		Non-Charge	
Travel.....	1.00	Toolbox Meeting.....	0.25
Recording.....	5.95	Vibes...	0.63
Recorder Move.....	0.67	Recorder/Instruments...	
Line Change.....	0.75		
QC & Test.....	0.50		
Experimentals.....		WOS.....	
Detours.....		Other.....	
WOS.....		Non Charge Hrs.....	0.88
Layout/Pickup Spread.....		Total Non Charge(Job)	33.35
Other.....	1.00		
		Day Chg Hrs	9.87
		Total Chg Hrs.(Job)	404.99
		Day.Standby.Hrs	0.00
		Total.Stby.Hrs.(Job)	70.99
		Extra Tvl Chg Hrs	0.50
		Total Tvl Chg Hrs(Job)	49.08
		Total Day Hrs	11.25

COMMENTS:	Layout:	Pickup:

Weather:	Warm/Fine	Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
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Bad Cable:	0	Bad Phones:	5	Bad Boxes:	0	OSOG06-04	911	1009	98	OSOG06-04	511	1009	498
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<p>Rough terrain caused slow recording, many terrain delays and 37 skips</p> <p>Some vibe NC due to vibe changeout (sweep problems)</p> <p>HSE to field to drop off Origin supplied port-a-loo, check steep terrain</p> <p>PM to Injune to scout accom ect for Fairview 2D, Roma for washdown cert.</p>	<p>030600-06</p> <p>280</p> <p>654</p> <p>374</p>
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COMMENTS: Weather: Warm/Fine Bad Cable: 0 Bad Phones: 5 Bad Boxes: 0					Layout:				Pickup:			
					Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
					OSOG06-04	911	1009	98	OSOG06-04	511	1009	498
					OSOG06-08	280	654	374				

	Total	472	Total	498
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ENVIRONMENTAL/HAZARD REPORTING	
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QUESTION:	WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?	YES	NO

QUESTION:	WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?	YES	NO

	X	
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COMMENTS: Vehicle damage(light) incident, report pending

Crew Manager  Client Rep _____

Crew Manager  Client Rep _____

DAILY REPORT
 TERREX SEISMIC
 CREW 401

Client: Origin Energy	Crew Manager: Mark Kneipp
Prospect: Spring Gully 2D	Client Rep: Sam Coniglio
Area: PL195/203/204	Weather: Warm/Fine
State: QLD	Date: Thursday, 26 January 2006

Client: Origin Energy	Crew Manager: Mark Kneipp
Prospect: Spring Gully 2D	Client Rep: Sam Coniglio
Area: PL195/203/204	Weather: Warm/Fine
State: QLD	Date: Thursday, 26 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files			Totals	Combined Prospects Totals	
OSGO6-08	3029-3467	654-235	6.2850	420	0	17		2		VP's.....	420		
										Cum.VP's.....	3387	VP's.....	14836
										Skips.....	0		
										Cum.Skips.....	68	Skips.....	395
										km.....	6.2850		
										Cum.km.....	51.7350	Kms.....	314.2225

HOURS		Non-Charge	
Travel.....	1.00	Toolbox Meeting.....	0.25
Recording.....	5.73	Vibes...	0.82
Recorder Move.....	0.67	Recorder/Instruments...	1.00
Line Change.....			
QC & Test.....	1.03	WOS.....	
Experimentals.....		Other.....	
Detours.....	0.05	Non Charge Hrs.....	2.07
WOS.....		Total Non Charge(Job)	35.42
Layout/Pickup Spread.....			
Other.....		Day Chg Hrs	8.48
		Total Chg Hrs.(Job)	413.47
Induction.....		Day.Standby.Hrs	0.00
Safety Meeting.....		Total.Stby.Hrs.(Job)	70.99
Washdowns.....			
Weather.....		Extra Tvl Chg Hrs	0.45
Standby(Other).....		Total Tvl Chg Hrs(Job)	49.53
Extra Travel.....	0.45		
		Total Day Hrs	11.00

COMMENTS:	Layout:	Pickup:

Weather: Warm/Fine				Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
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Bad Cable:	0	Bad Phones:	3	Bad Boxes:	0	OSOG06-08	100	279	179	OSOG06-08	361	654	293
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0.82 Vibe NC/17 Omit files due to vibe position error & instrument problems

1.00 Recorder NC due to troubleshooting and Instrument lock-up

HSE to field to scout upcoming line and observe line crew

Working 11 hrs days to try and avoid catching Line Survey

COMMENTS:					Layout:				Pickup:			
					Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
Weather: Warm/Fine					OSOG06-08	100	279	179	OSOG06-08	361	654	293
Bad Cable: 0 Bad Phones: 3 Bad Boxes: 0					OSOG06-05	100	220	120				

	Total	299	Total	293
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ENVIRONMENTAL/HAZARD REPORTING	
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QUESTION:	WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?	YES	NO
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QUESTION:	WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?	YES	NO
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COMMENTS:

Crew Manager  Client Rep _____

Crew Manager  Client Rep _____

DAILY REPORT
 TERREX SEISMIC
 CREW 401

Client: Origin Energy	Crew Manager:	Mark Kneipp
Prospect: Spring Gully 2D	Client Rep:	Sam Coniglio
Area: PL195/203/204	Weather:	Warm/Fine
State: QLD	Date:	Friday, 27 January 2006

Client: Origin Energy	Crew Manager:	Mark Kneipp
Prospect: Spring Gully 2D	Client Rep:	Sam Coniglio
Area: PL195/203/204	Weather:	Warm/Fine
State: QLD	Date:	Friday, 27 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files			Totals	Combined Prospects Totals	
OSGO6-08	3468-3601	235-102	1.9950	133				1		VP's.....	468		
OSGO6-05	3602-3938	100-446	5.1900	335	12	1		1		Cum.VP's.....	3855	VP's.....	15304
										Skips.....	12		
										Cum.Skips.....	80	Skips.....	407
										km.....	7.1850		
										Cum.km.....	58.9200	Kms.....	321.4075

HOURS		Non-Charge	
Travel.....	0.87	Toolbox Meeting.....	0.17
Recording.....	6.72	Vibes...	
Recorder Move.....		Recorder/Instruments...	
Line Change.....	1.32		
QC & Test.....	1.20		
Experimentals.....		WOS.....	
Detours.....	0.80	Other.....	
WOS.....		Non Charge Hrs.....	0.17
Layout/Pickup Spread.....		Total Non Charge(Job)	35.59
Other.....			
		Day Chg Hrs	10.91
Induction.....		Total Chg Hrs.(Job)	424.38
Safety Meeting.....			
Washdowns.....		Day.Standby.Hrs	0.00
Weather.....		Total.Stby.Hrs.(Job)	70.99
Standby(Other).....			
		Extra Tvl Chg Hrs	0.00
Extra Travel.....		Total Tvl Chg Hrs(Job)	49.53
		Total Day Hrs	11.08

COMMENTS:	Layout:	Pickup:

Weather:	Warm/Fine	Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
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Bad Cable:	1	Bad Phones:	5	Bad Boxes:	0	OSOG06-05	221	729	508	OSOG06-08	100	360	260
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12 skips due to steep terrain

Slow recording at times due to rocky terrain

Mechanic to Roma to pick up supplies

HSE & PM to line to scout upcoming lines conditions

COMMENTS:					Layout:				Pickup:			
					Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
Weather: Warm/Fine					OSOG06-05	221	729	508	OSOG06-08	100	360	260
Bad Cable: 1 Bad Phones: 5 Bad Boxes: 0									OSOG06-05	100	359	259

	Total	508	Total	519
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	Total	508	Total	519
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	Total	508	Total	519
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ENVIRONMENTAL/HAZARD REPORTING	
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QUESTION:	WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?	YES	NO
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QUESTION:	WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?	YES	NO
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	X
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COMMENTS:

Crew Manager  Client Rep _____

Crew Manager  Client Rep _____

**DAILY REPORT
TERREX SEISMIC
CREW 401**

Client: Origin Energy
Prospect: Spring Gully 2D
Area: PL195/203/204
State: QLD

Crew Manager: Mark Kneipp
Client Rep: Sam Coniglio
Weather: Warm/Fine
Date: Saturday, 28 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files		Totals	Combined Prospects Totals	
OSGO6-05	3939-4400	446-917	7.0650	455	16	6		1		VP's..... 455 Cum.VP's..... 4310 Skips..... 16 Cum.Skips..... 96 km..... 7.0650 Cum.km..... 65.9850	VP's.....	15759
											Skips.....	423
											Kms.....	328.4725

HOURS	Travel.....	0.80	Non-Charge.....		
	Recording.....	6.67	Toolbox Meeting.....		0.17
	Recorder Move.....	1.62	Vibes...		1.15
	Line Change.....		Recorder/Instruments...		0.10
	QC & Test.....	0.33	WOS.....		
	Experimentals.....		Other.....		
	Detours.....	1.32	* Includes terrain related delays		
	WOS.....		Non Charge Hrs.....		1.42
	Layout/Pickup Spread.....		Total Non Charge(Job)		37.01
	Other.....				
	Induction.....		Day Chg Hrs		10.74
	Safety Meeting.....		Total Chg Hrs.(Job)		435.12
	Washdowns.....		Day.Standby.Hrs		0.00
	Weather.....		Total.Stby.Hrs.(Job)		70.99
	Standby(Other).....				
	Extra Travel.....		Extra Tvl Chg Hrs		0.00
			Total Tvl Chg Hrs(Job)		49.53
			Total Day Hrs		12.16

COMMENTS:				Layout:				Pickup:			
Weather:	Warm/Fine			Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
Bad Cable:	1	Bad Phones:	2	OSOG06-05	730	1037	307	OSOG06-05	360	810	450
		Bad Boxes:	0	OSOG06-05	100	240	140				
1.13 NC(vibes) due to flat tyre, and accelerometer problems in morning											
HSE & Cable Tech to line to lay out cable on large handcarry section coming up tommorrow											
PM to field in morning											
Recorder truck blew a tyre, will need source a new spare ASAP											
12.02 km remaining, anticipated end of production morning of 31st											
Survey lead improved, working hrs increased to 12/day											
				Total				Total			
				447				450			

ENVIRONMENTAL/HAZARD REPORTING

QUESTION: WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?

YES NO

☐ ☒

COMMENTS:

Crew Manager



Client Rep _____

**DAILY REPORT
TERREX SEISMIC
CREW 401**

Client: Origin Energy
Prospect: Spring Gully 2D
Area: PL195/203/204
State: QLD

Crew Manager: Mark Kneipp
Client Rep: Sam Coniglio
Weather: Warm/Fine
Date: Sunday, 29 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files		Totals	Combined Prospects Totals	
OSGO6-05	4401-4520	917-1037	1.8000	118	2	1		1		VP's.....	527	
OSGO6-07	4521-4934	100-508	6.1200	409		1		4		Cum.VP's.....	4837	VP's..... 16286
										Skips.....	2	
										Cum.Skips.....	98	Skips..... 425
										km.....	7.9200	
										Cum.km.....	73.9050	Kms..... 336.3925

HOURS	Travel.....	0.33								Non-Charge.....	
	Recording.....	8.34								Toolbox Meeting.....	0.17
	Recorder Move.....	1.25								Vibes...	0.73
	Line Change.....	0.93								Recorder/Instruments...	0.32
	QC & Test.....	0.58									
	Experimentals.....	0.43								WOS.....	
	Detours.....									Other.....	
	WOS.....									Non Charge Hrs.....	1.22
	Layout/Pickup Spread.....									Total Non Charge(Job)	38.23
	Other.....										
										Day Chg Hrs	11.86
	Induction.....									Total Chg Hrs.(Job)	446.98
	Safety Meeting.....	0.42									
	Washdowns.....									Day.Standby.Hrs	0.42
	Weather.....									Total.Stby.Hrs.(Job)	71.41
	Standby(Other).....										
										Extra Tvl Chg Hrs	0.00
	Extra Travel.....									Total Tvl Chg Hrs(Job)	49.53
										Total Day Hrs	13.50

COMMENTS:						Layout:				Pickup:			
Weather:	Warm/Fine					Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
Bad Cable:	4	Bad Phones:	7	Bad Boxes:	0	OSOG06-07	241	825	584	OSOG06-05	811	1037	226
										OSOG06-07	100	380	280
1 vibe used on OSOG06-05 from 477 to 508, 6 sweeps per vp, slow recording													
Long day due to 34.5 km detour around hand carry section at end of day, vibes & recorder 1/2 way around													
HSE & cable the to field to help on 600mtr handcarry section													
Vibrator drivetrain trouble on hill caused some NC													
Finish acquisition tommorrow, ready for move Tues morning													
									Total	584			
											Total		506

ENVIRONMENTAL/HAZARD REPORTING

QUESTION: WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?

YES NO

☐ ☒

COMMENTS:

Crew Manager



Client Rep _____

DAILY REPORT
 TERREX SEISMIC
 CREW 401

Client: Origin Energy	Crew Manager: Mark Kneipp
Prospect: Spring Gully 2D	Client Rep: Sam Coniglio
Area: PL195/203/204	Weather: Warm/Fine
State: QLD	Date: Monday, 30 January 2006

Client: Origin Energy	Crew Manager: Mark Kneipp
Prospect: Spring Gully 2D	Client Rep: Sam Coniglio
Area: PL195/203/204	Weather: Warm/Fine
State: QLD	Date: Monday, 30 January 2006

TERREX RECORDING

Rec Line	Files	Stns Used	km	VP's	Skips	Omit Files	Exp. Files	Test files			Totals	Combined Prospects Totals	
OSGO6-07	4935-5211	508-825	4.7550	272	45	4		1		VP's.....	272		
										Cum.VP's.....	5109	VP's.....	16558
										Skips.....	45		
										Cum.Skips.....	143	Skips.....	470
										km.....	4.7550		
										Cum.km.....	78.6600	Kms.....	341.1475

HOURS		Non-Charge	
Travel.....	0.50	Toolbox Meeting.....	0.42
Recording.....	3.64	Vibes...	0.13
Recorder Move.....	1.35	Recorder/Instruments...	0.16
Line Change.....			
QC & Test.....	0.80	WOS.....	
Experimentals.....		Other.....	
Detours.....	0.08	Non Charge Hrs.....	0.71
WOS.....		Total Non Charge(Job)	38.94
Layout/Pickup Spread.....	1.75		
Other.....		Day Chg Hrs	8.12
		Total Chg Hrs.(Job)	455.10
Induction.....		Day.Standby.Hrs	0.00
Safety Meeting.....		Total.Stby.Hrs.(Job)	71.41
Washdowns.....			
Weather.....		Extra Tvl Chg Hrs	0.00
Standby(Other).....		Total Tvl Chg Hrs(Job)	49.53
Extra Travel.....		Total Day Hrs	8.83

COMMENTS:	Layout:	Pickup:

Weather: Warm/Fine						Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
Bad Cable: 0 Bad Phones: 0 Bad Boxes: 0										OSOG06-07	381	825	444

Weather:	Warm/Fine				Rec Line	Stn	Stn	# Stations	Rec Line	Stn	Stn	# Stations
Bad Cable:	0	Bad Phones:	0	Bad Boxes:	0				OSOG06-07	381	825	444
Acquisition completed at 1246												
Spread picked up, ready to move tommorrow morning												
HSE to Roma to pick up supplies												
Contract Complete												
Total								0	Total		444	

ENVIRONMENTAL/HAZARD REPORTING	
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QUESTION:	WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?	YES	NO
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QUESTION: WERE THERE ANY ENVIRONMENTAL/HAZARD REPORTS TODAY?	YES	NO
		X

COMMENTS:

Crew Manager  Client Rep _____

Crew Manager  Client Rep _____

APPENDIX I - ORIGIN SPRING GULLY SURVEY - RECORDING STATISTICS

Date	Travel Time	Extra Travel	Recording Time	Detours/ Terrain	Line- Change	QC & Test	Experimental	Recorder Move	Other	Layout/Pickup Spread & Other Charges	Vibes	Trouble-shooting	Safety & Other Charge	DownTime	Washdown	Safety Meeting/Induction	Other Stand-by	Shutdown days	Total Standby Hours	Total Operational Hours	Total Hours	Total km's
17-January-2006	1.00	0.75											0.25		8.00				8.00	1.00	10.00	
18-January-2006	1.00	1.00													2.50	2.00	0.50		5.00	1.00	7.00	-
19-January-2006	1.00	0.18	1.70	0.37			2.97			2.90			0.17	0.05		0.33	2.50		2.83	8.94	12.17	2.2205
20-January-2006	1.00	0.13	7.41		0.85	1.48		0.50			0.20	0.35	0.25						0.00	11.24	12.17	8.0765
21-January-2006	1.00	0.27	7.26	0.55	0.83	1.27	0.10				0.27		0.25	0.20					0.00	11.01	12.00	7.5300
22-January-2006	1.00	0.50	6.46	0.30	0.48	1.42		0.67					0.17	0.75		0.25			0.25	10.33	12.00	6.6450
23-January-2006	1.00	0.83	6.92	0.35	1.12	0.63							0.25	0.40					0.00	10.02	11.50	7.5600
24-January-2006	1.00	0.28	6.98	0.10	0.40	0.85		1.18	0.32		0.28		0.33	0.28					0.00	10.83	12.00	7.5900
25-January-2006	1.00	0.50	5.95		0.75	0.50		0.67	1.00		0.63		0.25						0.00	9.87	11.25	5.8500
26-January-2006	1.00	0.45	5.73	0.05		1.03		0.67			0.82		0.25	1.00					0.00	8.48	11.00	6.2850
27-January-2006	0.87		6.72	0.80	1.32	1.20							0.17						0.00	10.91	11.08	7.1850
28-January-2006	0.80		6.67	1.32		0.33		1.62			1.15		0.17	0.10					0.00	10.74	12.16	7.0650
29-January-2006	0.33		8.34		0.93	0.58	0.43	1.25			0.73		0.17	0.32		0.42			0.42	11.86	13.50	7.9200
30-January-2006	0.50		3.64	0.08		0.80		1.35		1.75	0.13		0.42	0.16					0.00	8.12	8.83	4.7550
31-January-2006																			0.00	0.00	0.00	
															10.50							
Total	12.5000	4.8900	73.7800	3.9200	6.6800	10.0900	3.5000	7.9100	1.3200	4.6500	4.2100	0.3500	3.1000	3.2600	21.0000	3.0000	3.0000	0.0000	16.5000	124.3500	156.6600	78.6820