



**BLUE ENERGY
COBALT 2D
2007 SEISMIC SURVEY**



OPERATIONS REPORT

NOVEMBER - 2007

BY

T.R. ERNST

OF

CREW # 401

**TERREX SEISMIC
UNIT # 2 / 37 HOWSON WAY
BIBRA LAKE
WESTERN AUSTRALIA, 6163**

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1. INTRODUCTION

Terrex Seismic was contracted by Blue Energy to conduct the Cobalt 2D Seismic Survey. Acquisition commenced on Tuesday the 06th November and was completed on Friday the 16th November 2007.

1.1 GEOGRAPHICAL AREA

The Cobalt 2D prospect is located approximately 15 km East of Injune in QLD.

The surrounding area of the Cobalt 2D prospect consisted mainly of open flat ground working on the verges of both main and local shire roads. There were also lines that ran through farmland areas which had some creek channels, sand and grass plain areas with fence lines in-between.

All 2D lines required either slashing or clearing and were then surveyed at 15m group intervals. Main and local roads, farm tracks and seismic lines were used for access to and from the field.



Receiver Line beside the Taroom-Injune road

1.2 WEATHER

Hot and humid weather was encountered on a regular basis throughout the program. Both late afternoon and early morning thunderstorms were experienced during the Cobalt 2D with heavy rain throughout making line conditions wet, slippery and very boggy in most places on the prospect; 23.5 hours of down time was recorded due to the weather conditions.

1.3 LOGISTICS

All equipment and vehicles were mobilised from the previous prospect by Terrex personnel.

Vehicle washdowns and certified inspections were required prior to the commencement of the Cobalt 2D survey for Blue Energy due to local council weed control programmes.

Access to and from all seismic lines was via local roads and landowners tracks.

All approved access roads and tracks were indicated on the maps supplied by Dynamic Satellite Surveys from Yeppoon, QLD.

No Traffic Control was required for the survey, however signage was placed out and moved along the lines by the HSE as required.

Line clearing of all lines was carried out by Blue Energy sub-contractor personnel.

The crew stayed at two locations for the duration of the program, the Injune Motel in Injune and the Club Hotel / Motel in Roma, QLD; this was due to limited accommodation at Injune. The crew's lunches and meals were supplied by the Injune Roadhouse, Injune Hotel and the Club Hotel / Motel in Roma, QLD.

All supplies including freight were transported via AAE, Australia Post, or TNT. Fuel for all vehicles was supplied by the BP Roadhouse in Injune, QLD.

An induction was held by the Permit Man & Client Representative at the Toolbox Meeting before commencement of the Cobalt 2D.

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

2. SURVEYING

2.1 RANGING / CHAINING / SURVEYING

Line Chaining, Survey and Maps for the entire program were supplied by Dynamic Satellite Survey's personnel from Yeppoon, QLD.

2.2 LINE CLEARING

All line clearing was completed by Blue Energy sub-contractor personnel.

2.3 PERMITTING & CLIENT REPRESENTATIVE

Permitting was carried out by Mr.D.Ayling for Blue Energy.

Client Representative duties were carried out by Mr.N.Holding for Blue Energy.

Both were on site throughout the entire survey.



Vibrators on detour around wet area

3.0 RECORDING / PROCESSING

3.1 RECORDING PARAMETERS

General Survey Details

- Survey: Cobalt 2D.
- ATP 854P, Injune, QLD.

Instrumentation

Instruments	: Sercel 388 24 bit system.
No. Channels	: 260
Tape Format	: SEGD, 8058IEEE Demultiplexed, 3490 Cartridge.
Filters	: 0.8 Nyquist - Lin Phase
Sample Rate	: 2 ms
Record Length	: 4 sec
RTC	: Yes
Correlation Type	: Zero Phase after sum
Stack	: Diversity stack plus burst edit

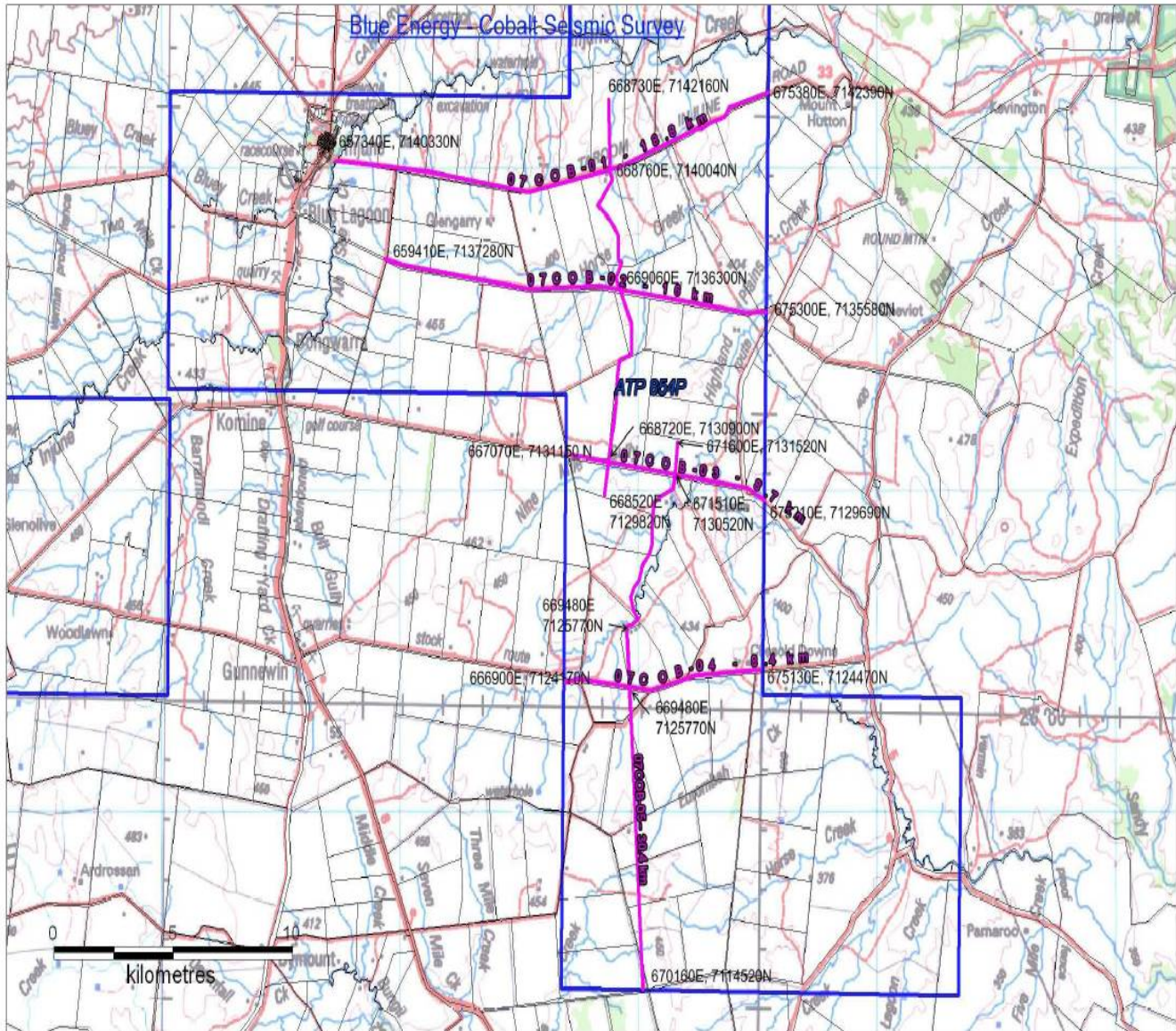
Source Data

Vibrators	: 3 x Input-Output Hemi 44's 44000lb + 1 x Spare
Electronics	: Pelton Advance 2 Model 5 VCE
Sweep Type	: Monosweep
Sweep Frequency	: 6-110 Hz
Sweep Length	: 10 sec
No. Sweeps	: 1 & 2 standing
VP Interval	: 15m
Vibrator Array	: 3 vibs in line, 12.5m pad to pad centered on half station
Sweep Taper	: 200msec taper
Drive Level	: Max Varied by amplitude control function
End Tapers (cosine)	: 0.2s
Phase Locking Type	: Ground Force using M5 accelerometers.
Amplitude Control	: Peak to Peak

Receivers

Receiver Group Interval	: 15m
Spread	: Symmetric Split, 1942.5 – 7.5 - 0 – 7.5 – 1942.5m.
Geophones	: 600 strings Sensor SM4 10 Hz. Hi Spec super phones. (12 per string)
Array	: 6 phones in-line, centered on station, 2.50m spacing.
Connection	: Single (6x1)
Multiplicity	: 130 fold with 7.5m CDP interval.

3.2 BLUE ENERGY – COBALT 2D



3.3 RECORDING

Terrex Seismic was contracted by Blue Energy to conduct the Cobalt 2D Seismic Survey. Acquisition commenced on Tuesday the 06th November and was then completed on Friday the 16th November 2007. Six separate 2D lines with a total of 84.975 linear km were to be recorded. Hardwire and Pointsource tests were conducted during the first line on the second day of recording. Four x Input-Output Hemi 44's 44000lb International Paystar vibrators were used to complete the survey, three operating on line with one spare on standby.

Line 07-COB-01

Recording commenced on this line on the 6th November at station 266.5 and was completed two days later at station 1500.5, a total of 18.51 kms recorded with 126 skipped VP's due to culverts, fence lines, boggy ground and proximity dwellings etc.

Line 07-COB-02

Recording commenced on this line on the 8th November at station 233.5 and was completed the following day later at station 1300.5, a total of 16.005 kms recorded with 10 skipped VP's due to culverts, fence lines, boggy ground and proximity dwellings etc.

Line 07-COB-03

Recording commenced on this line on the 10th November at station 242.5 and was completed two days later at station 800.5, a total of 8.37 kms recorded.

Line 07-COB-04

Recording commenced on this line on the 12th November at station 764.5 and was completed the following day later at station 200.5, a total of 8.46 kms recorded with 3 skipped VP's due to culverts, fence lines, boggy ground and proximity dwellings etc.

Line 07-COB-05

Recording commenced on this line on the 13th November at station 200.5 and was completed the following day later at station 1482.5, a total of 19.23 kms recorded with 22 skipped VP's due to culverts, fence lines, boggy ground and proximity dwellings etc.

Line 07-COB-06

Recording commenced on this line on the 15th November at station 200.5 and was completed the following day later at station 1160.5, a total of 14.40 kms recorded with 47 skipped VP's due to culverts, fence lines, boggy ground and proximity dwellings etc. The end of this line represented the completion of the Cobalt 2D contract, the line crew picked up and packed all equipment that day and commenced wash down on the light vehicles in preparation for the next prospect.

Production rates throughout the program were good with a best day of 14.70 km on Friday the 9th November. Using 15m group intervals for receiver lines, an average of 496 VP's and 7.725 km per day was acquired. The Cobalt 2D survey was completed in eleven days on the 16th November 2007; this included washdowns, mobilisation, recording, spread layout and pickup.

3.4 PROCESSING

All final data shipments were sent to the below locations.

"A" tapes for the Cobalt 2D were sent to MBA Head Office – in Brisbane, QLD.

"B" tapes for the Cobalt 2D were given to the Client Rep to be handcarried.





Vibrators going through gate opening



Vibe Tech checking steep bank for access

APPENDIX A

EQUIPMENT SPECIFICATIONS

SEISMIC ACQUISITION CREW - EQUIPMENT

RECORDING EQUIPMENT, SOURCE EQUIPMENT

RECORDING EQUIPMENT (2D Survey)

SERCEL 388 - 24 Bit 3D Seismic Data Acquisition System

- Sun Monitor and Sun Sparc 5 Computer
- OYO DFM 480 Plotter, UPS, LIM
- One (1) APM
- Two (2) Fujitsu 3490 Tape Drives
- One Hundred (100) 6 x T/O 2D 388 Seismic Cables (600 Channels)
- Four (4) CSU Patch Cables
- One Hundred and Ten (100) SU6 Telemetry Units (600 Channels)
- Sixteen (16) Sercel PSU's and Four (4) Sercel CSU's
- Twenty (20) Line Batteries
- Four (4) Sercel Battery Chargers

- **Pelton** Real Time Similarity System
- One (1) 10 metre 6 DB Boost High Gain Antenna on Recording Truck
- **Sensor SM24 10Hz High Specification Geophones**
- One Thousand two Hundred (1200) Geophone strings with 6 ph/group

SOURCE EQUIPMENT

- **Four (4) Hemi 44 6x6 International Paystar Vibrators:**
- **Peak force is 44000 lbs per Vibe and**
- **Hold-Down weight is 442000 lbs 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

VEHICLE EQUIPMENT LIST

VEHICLE	REGISTRATION
Landcruiser - Wagon	1BWF-930
Landcruiser - Wagon	1BYK-183
Landcruiser - Wagon	1CCL-562
Landcruiser - Trayback	302-JCO
Landcruiser - Trayback	1CET-468
Landcruiser - Trayback	1BSJ-242
Landcruiser - Trayback	1BRJ-753
Landcruiser - Trayback	1BHD-550
Landcruiser - Trayback	1BEK-496
Landcruiser - Trayback	013-IZQ
Nissan - Turbo Diesel Trayback	176-JNA
Nissan - Turbo Diesel Trayback	175-JNA
Nissan - Turbo Diesel Trayback	XMJ-224
Hino - 4x4 Service Truck	1ALU-225
Isuzu – 4x4 Recorder Truck	1CAA-534
Isuzu - Mechanics Truck	1CCC-561
International Paystar - Spread Truck	626-JAH
Isuzu – 4x4 Cable Repair	YBH-15S
Isuzu – Crane Truck	9DL-970
Paystar - Hemi 44 - Vibrator	372-JCN
Paystar - Hemi 44 - Vibrator	373-JCN
Paystar - Hemi 44 - Vibrator	374-JCN
Paystar - Hemi 44 - Vibrator	375-JCN

APPENDIX C

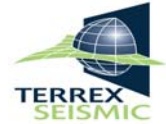
TAPE LISTING

BLUE ENERGY - COBALT 2D								
Tape #	#ID	Line	First FFID	Last FFID	First VP	Last VP	Date Recorded	Comments
999A	1	07-COB-01	9000	9009			7-Nov-07	Startup Tests.
		07-COB-01	8000	8009	461.5	459.5	7-Nov-07	Hardwires, Pointsource, Tap Test.
1A	2	07-COB-01	1	186	266.5	460.5	6-Nov-07	Start Production, Line # 01.
2A	3	07-COB-01	187	550	461.5	831.5	7-Nov-07	
3A	4	07-COB-01	551	798	832.5	1090.5	7-Nov-07	
4A	5	07-COB-01	799	927	1091.5	1239.5	8-Nov-07	
5A	6	07-COB-01	928	1111	1240.5	1500.5	8-Nov-07	Omits # 949,1107. Finish Line # 01.
6A	7	07-COB-02	1112	1200	233.5	320.5	8-Nov-07	Start Line # 02. Omits # 1136
		07-COB-02	1201	1471	321.5	591.5	9-Nov-07	
7A	8	07-COB-02	1472	1847	592.5	967.5	9-Nov-07	
8A	9	07-COB-02	1848	2170	968.5	1300.5	9-Nov-07	Finish Line # 02.
9A	10	07-COB-03	2171	2304	242.5	375.5	10-Nov-07	Start Line # 03. Rain and Wet conditions stopped production for 2 days.
		07-COB-03	2305	2511	376.5	582.5	12-Nov-07	Resumed production.
10A	11	07-COB-03	2512	2729	583.5	800.5	12-Nov-07	Finish Line # 03.
11A	12	07-COB-04	2730	2998	764.5	496.5	12-Nov-07	Start Line # 04
12A	13	07-COB-04	2999	3292	495.5	200.5	13-Nov-07	Omits # 3015. Finish Line # 04.
13A	14	07-COB-05	3293	3606	200.5	514.5	13-Nov-07	Start Line # 05.
14A	15	07-COB-05	3607	3750	515.5	658.5	13-Nov-07	
		07-COB-05	3751	3974	659.5	893.5	14-Nov-07	
15A	16	07-COB-05	3975	4324	894.5	1250.5	14-Nov-07	
16A	17	07-COB-05	4325	4552	1251.5	1482.5	14-Nov-07	Finish Line # 05.
17A	18	07-COB-06	4553	4804	200.5	469.5	15-Nov-07	Start Line # 06.
18A	19	07-COB-06	4805	5179	470.5	852.5	15-Nov-07	
19A	20	07-COB-06	5180	5291	853.5	985.5	15-Nov-07	
		07-COB-06	5292	5466	986.5	1160.5	16-Nov-07	Finish Line # 06
								COBALT 2D COMPLETED

APPENDIX D

HSE POLICY and OCCUPATIONAL HEALTH & SAFETY STANDARDS

- Site specific inductions / daily toolbox meetings / weekly safety meetings
 - Monthly Section head meetings
 - Personal protective equipment
 - Traffic Management Safety
 - VHF / UHF / HF communications
 - Vehicle emergency equipment
 - Random drug and alcohol tests



TERREX SEISMIC HEALTH, SAFETY AND ENVIRONMENT POLICY

Terrex Seismic is an Exploration Contractor involved in Seismic Acquisition to the Oil, Gas and Mineral Industries.

Our Commitments

- To provide a safe, healthy and injury free workplace for our employees, contractors and the general public.
- Assisting all of our employees and contractors to meet their HSE obligations.
- Establish and implement an HSE Management System and Operational Plans at all levels of the Company.
- Education and training of all of our Employees in HSE Systems, Procedures, Risk Assessment and Risk Minimization.
- Ongoing evaluation and modification of all of our HSE Management Systems, Procedures and Plans in order to ensure a consistent improvement in the establishment of a safe, healthy and environmentally sound workplace.
- Ensure all of our HSE Systems are in accordance with the relevant legislation and requirements of Clients and Government Bodies.

Our Goal

- To achieve a workplace where the targets of zero injuries, equipment damage and environmental incidents are attained.

Our Systems

- Management shall provide a visible, personal involvement in all aspects of HSE, and through their actions create a culture that facilitates employee HSE involvement. Management shall make available the appropriate resources to carry out all manner of HSE.
- Policies and objectives shall be initiated, defined, communicated and revised at all organizational levels.
- Organizational responsibilities shall be defined and the necessary resources provided to achieve HSE objectives
- Management shall continuously evaluate the HSE risks to the employees, clients and environment. Comprehensive risk assessment provides the necessary information in order to take action to reduce the risk to our operations.
- HSE shall be integrated in the design, development and delivery of all services. This includes planning for existing operations, managing change and developing emergency response measures.

Each employee has a personal responsibility to comply with this policy and contribute towards its implementation. Management holds the responsibility to communicate the requirements of this policy to all our employees, contractors and visitors and to involve them in its implementation.

Breach of this policy will be taken very seriously and may involve disciplinary action.

Stephen P. C. Tobin

APPENDIX E

END OF CONTRACT HSE SUMMARY



Health Safety & Environment

End of Contract Report

Cobalt 2D_ ATP 854P Seismic Survey
6th - 16th Nov 2007

Client	Blue Energy	HSE Advisor	Ray Auckram
Location	ATP 854P	Combined Personnel	23
Camp Site	Injune Motel	BAC Tests Conducted	59
Camp Location	Injune	Preliminary Drug Tests Conducted	10
Sub-Contractors	DSS	Standard Operating Procedure Revisions	

Summary:

6/11/2007: Wash down and Certified Inspections.
Commence Production.
Alcohol and Drug testing conducted

7/11/2007: Some standby, unsafe work conditions due to inclement weather.

8/11/2007: Some standby, unsafe work conditions due to inclement weather.
Inductions for new hires.

10/11/2007: Crew on standby, unsafe work conditions due to inclement weather.
Blanket Breath Test conducted.

11/11/2007: Crew on standby, unsafe work conditions due to inclement weather.

13/11/2007: Random Drug Test conducted.
Vehicle wash downs.

16/11/2007: Blanket Breath Test conducted.
Vehicle wash downs.
EOC

Report compiled by: Ray Auckram HSE

Safety Statistics

Terrex Seismic Man-hours	3,156
Sub-Contractor Man-hours	300
Fatalities	0
LTI's	0
MTI's	0
Days since last MTI/LTI	260
First Aid Incidents	0
Incident / Accident Reports	0
Work Days Lost	0
Hazard Identification Reports	0
Training Hours	2
Tool Box / Safety Meeting Man-hours	25
Audits / Inspections	29
Drills	0
Land Spills (< 5 litres)	0

Medical Statistics

Clinic Attendance	
Referral	
Eye infections, injuries	
Heat	
GIT: Diarrhoea, Nausea, Vomiting	
Headaches	
Bites and Stings	
Misc	
Muscular Skeletal: Soft tissue injury, Sprain/Strain	1
Skin Conditions: Rash, Fungal Infection	
Colds, Influenza type symptoms	
Throat infection, Tonsillitis	
Wound Care: Lacerations, Dressings, Suture removal	
TOTAL	1

APPENDIX F

PERSONNEL – CREW LIST

POSITION	NAMES
Crew Manager	Ernst Terry
HSE Advisor	Auckram Ray
Admin Staff	
Observer	Carry Joel
Observer	Konta Tom
Cable Repair	Fadian Scott
Technical	
Vib Op	Kingston Dean
Vib Op	Tuite Al
Vib Op	Bann Abby
Vib Op	Harland June
Vib Op	Marsh Lloyd Guy
Vib Op	McDonald Brett
Vibrator Crew	
Vib Tech	Sharam Colin
Vib Tech	
Line Boss	Goodwill Jamie
Snr Line	
Trouble Shooter	Moody Andrew
Trouble Shooters	
Line Crew	Bishoff Daryn
Line Crew	Carroll Dan
Line Crew	Clancey Keenan
Line Crew	Clayton Ray
Line Crew	Collom Eileen
Line Crew	Dowling Daniel
Line Crew	Ellice-Flint Edward
Line Crew	Heenan Mark
Line Crew	Lovell Mick
Line Crew	Mitchell Madelaine
Line Crew	Ngatai Bryan
Line Crew	Parkes Robert
Line Crew	Roll Mitchell
Line Crew	Watty Dion
Line Crew	Zimmerman Steve
Line Crew	

PERSONNEL – CREW NUMBERS

POSITION	NUMBERS
Crew Manager	1
HSE Advisor	1
Observer	1
Cable Repair	4
Vib Op	4
Vib Tech	1
Line Boss	1
Trouble Shooter	1
Line Crew	12



APPENDIX G

DAILY REPORTS

Terrex Seismic Crew 401 - Cobalt 2D

Daily Report

CREW 401

Client..... Blue Energy
 Survey Name... Cobalt 2D
 Area..... Injune - ATP 854P - Bowen Basin
 State..... QLD

Party Manager.. Terry Ernst
 Client Rep..... Nick Holding
 Weather..... Fine / Hot / Humid
 Date..... Tuesday, 6 November 2007

Line	VP	VP	File	File	Skips	km	VPS	Stns	TOTALS	
07-COB-01	266.5	460.5	1	186	9	2.9100	186	194	VPs...	186
									Skips...	9
									Lin.km...	2.910
									Cum.Lin.km...	2.910
									%Completed...	3.55%
									Cum.Total Vps (Job)...	186
									Lin.km.Remaining...	79.090
									Av.Daily Production Lin.km	2.910

Chargeable Hrs:		Non Charge (Downtime) Hours:		Cum.L/Spread Hrs...		Cum.P/Spread Hrs...	
Recording.....	1.70	Human Error.....					
Recorder Move.....	0.50	QC Spread.....					
Prospect Move.....	3.80	Recorder.....					
Detours/Terrain.....		Vibes.....					
Daily Tests.....	0.10	WOS.....			Total Hrly Work Rate (Day)...	8.70	
Travel.....	0.30	Other.....	0.50		Cum.Hrly Work rate (Job)...	8.70	
Experimental.....					Total Work Hrs (Day)...	12.00	
QC Spread.....					Total St/By Rate Hrs (Day)...	2.80	
Layout Spread.....	2.30				Cum.St/By Rate Hrs (Job)...	2.80	
Pickup Spread.....							
WOS.....							
Other St/By.....		Total Down Time.....	0.50				
Weather St/By.....		Toolbox Meeting.....	0.30				
Washdown St/By.....	2.50	Safety Meeting.....	0.00				
		Cum.Non-Charge (Downtime).....	0.50		Cum.Total Hrs (Job)	12.00	

COMMENTS:

Crew Toolbox Meeting = 0.3 Hrs, St/By.
 Prospect Move from Emerald to Injune = 3.80 Hrs, 307 km.
 Certified washdowns required before start up = 2.50 Hrs.
 Layout spread = 2.30 Hrs.
 2 x Vibrators loaded & floated from Emerald to Injune.
 D/Time Other = 0.5 Hrs, discrepancy with Vibrator permits, re-checked with QLD-DT.
 Start production, Line # 01, 186 VPs, 2.910 km, 9 Skips. Starting with 2 vibrators.
 PM organising accomm, meals, lunches, fuel etc.
 Light vehicles = 13.
 Heavy vehicles = 1 x Service, 1 x Recorder, 1 x Mechos, 1 x Cable Repair, 1 x Spread = 5
 Heavy Vehicles = 4 x Vibrators, Total Trucks = 9.
 Personnel = 14 x Persons on Line, 4 x Vibe Operators.
 Personnel = 1 x PM, 1 x Cable repair, 1 x Vibe Tech, 1 x HSE, 1 x Observer.
 Total Personnel = 23.

Spread Movement						
Client: Blue Energy - Cobalt 2D						
Layout				Pickup		
Line	Station #	Tot		Line	Station #	Tot
07-COB-01	266	815	550			1
Total Stations:			550	Total Stations:		

	Bad Cables	0
	Bad Phones	0
	Bad Boxes	0

DSS - SURVEY

COMMENTS:

06th Nov 2007 - Survey started pegging on Cobalt 2D.

Crew Manager _____ Client Rep _____

Terrex Seismic Crew 401 - Cobalt 2D

Daily Report

CREW 401

Client..... Blue Energy
 Survey Name... Cobalt 2D
 Area..... Injune - ATP 854P - Bowen Basin
 State..... QLD

Party Manager.. Terry Ernst
 Client Rep..... Nick Holding
 Weather..... Rain / Overcast / Humid
 Date..... Wednesday, 7 November 2007

Line	VP	VP	File	File	Skips	km	VPs	Stns	TOTALS
07-COB-01	461.5	459.5	8000	8009	0	P/SOURCE + H/WIRES + T-TEST	0	0	VPs... 612
07-COB-01	460.5	1090.5	187	798	18	9.4500	612	630	Skips... 18
									Lin.km... 9.450
									Cum.Lin.km... 12.360
									%Completed... 15.07%
									Cum.Total Vps (Job)... 798
									Lin.km.Remaining... 69.640
									Av.Daily Production Lin.km 6.180

Chargeable Hrs:

Non Charge (Downtime) Hours:

Cum.L/Spread Hrs... 2.30
 Cum.P/Spread Hrs... 0.00

Recording..... 4.70
 Recorder Move..... 0.60
 Prospect Move.....
 Detours/Terrain.....
 Daily Tests..... 0.30
 Travel..... 1.10
 P/Source, H/Wires, Tap Test..... 0.80
 QC Spread.....
 Layout Spread.....
 Pickup Spread.....
 WOS.....
 Other St/By.....
 Weather St/By..... 4.00
 Washdown St/By.....

Human Error.....
 QC Spread..... 0.20
 Recorder.....
 Vibes.....
 WOS.....
 Other.....
 Total Down Time..... 0.20
 Toolbox Meeting..... 0.30
 Safety Meeting..... 0.00
 Cum.Non-Charge (Downtime)..... 0.70

Total Hrly Work Rate (Day)... 7.50
 Cum.Hrly Work rate (Job)... 16.20
 Total Work Hrs (Day)... 12.00
 Total St/By Rate Hrs (Day)... 4.30
 Cum.St/By Rate Hrs (Job)... 7.10
 Cum.Total Hrs (Job) 24.00

COMMENTS:

Crew Toolbox Meeting = 0.3 Hrs, St/By.
 Signage by HSE re-erected in morning.
 Pointsource, Hardwires + Tap Test completed.
 Rain made conditions slippery, rain continued, crew went to St/By = 4.0 Hrs.
 Restart Production - 612 VPs, 9.435 km, 18 Skips.
 Signage being moved by HSE all day long.
 Afternoon storms + rain late in the afternoon.
 2 x New Vibrator operators arrived on site + 1 x Line Crew person.
 Light vehicles = 13.
 Heavy vehicles = 1 x Service, 1 x Recorder, 1 x Mechos, 1 x Cable Repair, 1 x Spread = 5
 Heavy Vehicles = 4 x Vibrators, Total Trucks = 9.
 Personnel = 14 x Persons on Line, 6 x Vibe Operators.
 Personnel = 1 x PM, 1 x Cable repair, 1 x Vibe Tech, 1 x HSE, 1 x Observer.
 Total Personnel = 25.

Spread Movement

Client: Blue Energy - Cobalt 2D

Layout				Pickup			
Line	Station #	Tot		Line	Station #	Tot	
07-COB-01	816	1286	471	07-COB-01	266	950	685
Total Stations:			471	Total Stations:			685

DSS - SURVEY

COMMENTS:

07th Nov 2007 - Survey continued pegging on Cobalt 2D.

Bad Cables	0
Bad Phones	2
Bad Boxes	0

Terrex Seismic Crew 401 - Cobalt 2D

Daily Report

CREW 401

Client..... Blue Energy
 Survey Name... Cobalt 2D
 Area..... Injune - ATP 854P - Bowen Basin
 State..... QLD

Party Manager.. Terry Ernst
 Client Rep..... Nick Holding
 Weather..... Rain / Overcast / Humid
 Date..... Thursday, 8 November 2007

Line	VP	VP	File	File	Skips	km	VPs	Stns	TOTALS	
07-COB-01	1090.5	1500.5	799	1111	99	6.1500	311	410	VPs...	399
07-COB-02	233.5	320.5	1112	1200	0	1.3050	88	87	Skips...	99
									Lin.km...	7.455
									Cum.Lin.km...	19.815
									%Completed...	24.16%
									Cum.Total Vps (Job)...	1197
									Lin.km.Remaining...	62.185
									Av.Daily Production Lin.km	6.605

Chargeable Hrs:

Non Charge (Downtime) Hours:

Recording.....	3.90								Cum.L/Spread Hrs...	2.30
Recorder Move.....	0.50								Cum.P/Spread Hrs...	0.00
Line Move.....	0.70						Human Error.....			
Detours/Terrain.....	0.30						QC Spread.....	0.30		
Daily Tests.....	0.20						Recorder.....			
Travel.....	0.90						Vibes.....			
P/Source, H/Wires, Tap Test.....							WOS.....		Total Hrly Work Rate (Day)...	6.50
QC Spread.....							Other.....		Cum.Hrly Work rate (Job)...	22.70
Layout Spread.....									Total Work Hrs (Day)...	11.70
Pickup Spread.....									Total St/By Rate Hrs (Day)...	4.90
WOS.....									Cum.St/By Rate Hrs (Job)...	12.00
Other St/By.....							Total Down Time.....	0.30		
Weather St/By.....	4.60						Toolbox Meeting.....	0.30		
Washdown St/By.....							Safety Meeting.....	0.00		
							Cum.Non-Charge (Downtime).....	1.00	Cum.Total Hrs (Job)	35.70

COMMENTS:

Crew Toolbox Meeting = 0.3 Hrs, St/By.
 Overnight rain continued in morning, crew on St/By = 4.6 Hrs.
 PM checking conditions of lines @ first light.
 Restart Production, Line # 01 - 311 VPs, 6.150 km, 99 Skips.
 Continue production, Line # 02 - 88 VPs, 1.305 km, 0 Skips.
 Signage being moved by HSE all day long.
 D/Time QC Spread = 0.3 Hrs, leakage from overnight rain.
 2 x New Vibrator operators learning.
 Light vehicles = 13.
 Heavy vehicles = 1 x Service, 1 x Recorder, 1 x Mechos, 1 x Cable Repair, 1 x Spread = 5
 Heavy Vehicles = 4 x Vibrators, Total Trucks = 9.
 Personnel = 14 x Persons on Line, 6 x Vibe Operators.
 Personnel = 1 x PM, 1 x Cable repair, 1 x Vibe Tech, 1 x HSE, 1 x Observer.
 Total Personnel = 25.

Spread Movement

Client: Blue Energy - Cobalt 2D

Layout				Pickup			
Line	Station #	Tot		Line	Station #	Tot	
07-COB-01	1287	1500	214	07-COB-01	951	1500	550
07-COB-02	233	586	354				
Total Stations:			568	Total Stations:			550

DSS - SURVEY

COMMENTS:

08th Nov 2007 - Survey on St/By in morning, continued pegging on Cobalt 2D.

Bad Cables	0
Bad Phones	4
Bad Boxes	1

Terrex Seismic Crew 401 - Cobalt 2D

Daily Report

CREW 401

Client..... Blue Energy
 Survey Name... Cobalt 2D
 Area..... Injune - ATP 854P - Bowen Basin
 State..... QLD

Party Manager.. Terry Ernst
 Client Rep..... Nick Holding
 Weather..... Rain / Overcast / Humid
 Date..... Friday, 9 November 2007

Line	VP	VP	File	File	Skips	km	VPs	Stns	TOTALS	
07-COB-02	320.5	1300.5	1201	2170	10	14.7000	970	980	VPs...	970
									Skips...	10
									Lin.km...	14.700
									Cum.Lin.km...	34.515
									%Completed...	42.09%
									Cum.Total Vps (Job)...	2167
									Lin.km.Remaining...	47.485
									Av.Daily Production Lin.km	8.629

Chargeable Hrs:

Non Charge (Downtime) Hours:

Cum.L/Spread Hrs... 2.30
 Cum.P/Spread Hrs... 0.00

Recording..... 7.00
 Recorder Move..... 1.20
 Line Move..... 0.90
 Detours/Terrain..... 0.40
 Daily Tests..... 0.10
 Travel..... 0.60
 P/Source, H/Wires, Tap Test.....
 QC Spread.....
 Layout Spread.....
 Pickup Spread.....
 WOS.....
 Other St/By.....
 Weather St/By.....
 Washdown St/By.....

Human Error.....
 QC Spread..... 0.50
 Recorder.....
 Vibes.....
 WOS.....
 Other.....
 Total Down Time..... 0.50
 Toolbox Meeting..... 0.30
 Safety Meeting..... 0.00
 Cum.Non-Charge (Downtime)..... 1.50

Total Hrly Work Rate (Day)... 10.20
 Cum.Hrly Work rate (Job)... 32.90
 Total Work Hrs (Day)... 11.00
 Total St/By Rate Hrs (Day)... 0.30
 Cum.St/By Rate Hrs (Job)... 12.30
 Cum.Total Hrs (Job) 46.70

COMMENTS:

Crew Toolbox Meeting = 0.3 Hrs, St/By.
 Continue production, Line # 02 - 970 VPs, 14.700 km, 10 Skips.
 Signage being moved by HSE all day long.
 Heavy afternoon rain from thunderstorm - crew shutdown late afternoon.
 Recorder & Vibes Line moving back to Injune.
 D/Time QC Spread = 0.5 Hrs, cable & box causing line problems.
 2 x Vibe Operator personnel going on leave.
 1 x Line Crew person in.
 Light vehicles = 13.
 Heavy vehicles = 1 x Service, 1 x Recorder, 1 x Mechos, 1 x Cable Repair, 1 x Spread = 5
 Heavy Vehicles = 4 x Vibrators, Total Trucks = 9.
 Personnel = 15 x Persons on Line, 4 x Vibe Operators.
 Personnel = 1 x PM, 1 x Cable repair, 1 x Vibe Tech, 1 x HSE, 1 x Observer.
 Total Personnel = 24.

Spread Movement

Client: Blue Energy - Cobalt 2D

Layout				Pickup			
Line	Station #	Tot		Line	Station #	Tot	
07-COB-02	587	1300	714	07-COB-02	266	1105	840
07-COB-03	242	340	99				
Total Stations:				Total Stations:			

Bad Cables 1
 Bad Phones 3
 Bad Boxes 1

DSS - SURVEY

COMMENTS:

09th Nov 2007 - Survey continued pegging on Cobalt 2D.

Terrex Seismic Crew 401 - Cobalt 2D

Daily Report

CREW 401

Client..... Blue Energy
 Survey Name... Cobalt 2D
 Area..... Injune - ATP 854P - Bowen Basin
 State..... QLD

Party Manager.. Terry Ernst
 Client Rep..... Nick Holding
 Weather..... Rain / Overcast / Humid
 Date..... Saturday, 10 November 2007

Line	VP	VP	File	File	Skips	km	VPs	Stns	TOTALS	
07-COB-03	242.5	375.5	2171	2304	0	1.9950	134	133	VPs...	134
									Skips...	0
									Lin.km...	1.995
									Cum.Lin.km...	36.510
									%Completed...	44.52%
									Cum.Total Vps (Job)...	2301
									Lin.km.Remaining...	45.490
									Av.Daily Production Lin.km	7.302

Chargeable Hrs:

Non Charge (Downtime) Hours:

Recording.....	1.00								Cum.L/Spread Hrs...	2.30
Recorder Move.....									Cum.P/Spread Hrs...	0.00
Line Move.....	0.80						Human Error.....			
Detours/Terrain.....							QC Spread.....	0.50		
Daily Tests.....	0.20						Recorder.....			
Travel.....	0.50						Vibes.....			
P/Source, H/Wires, Tap Test.....							WOS.....		Total Hrly Work Rate (Day)...	2.50
QC Spread.....							Other.....		Cum.Hrly Work rate (Job)...	35.40
Layout Spread.....									Total Work Hrs (Day)...	8.50
Pickup Spread.....									Total St/By Rate Hrs (Day)...	5.50
WOS.....									Cum.St/By Rate Hrs (Job)...	17.80
Other St/By.....							Total Down Time.....	0.50		
Weather St/By.....	5.20						Toolbox Meeting.....	0.30		
Washdown St/By.....							Safety Meeting.....	0.00		
							Cum.Non-Charge (Downtime).....	2.00	Cum.Total Hrs (Job)	55.20

COMMENTS:

Late start for Crew due to Heavy thunderstorms & rain from yesterday afternoon & night.
 Crew Manager scouting Lines # 02 & 03 early in morning.
 Crew Toolbox Meeting + Liase with Client = 0.3 Hrs, St/By.
 Start production, Line # 03 - 134 VPs, 1.995 km, 0 Skips.
 Signage set up by HSE in morning.
 Crew went back to St/By due to wet conditions, can not access Line # 02 to pick up spread.
 D/Time QC Spread = 0.5 Hrs, leakage from Heavy rain.
 Light vehicles = 13.
 Heavy vehicles = 1 x Service, 1 x Recorder, 1 x Mechos, 1 x Cable Repair, 1 x Spread = 5
 Heavy Vehicles = 4 x Vibrators, Total Trucks = 9.
 Personnel = 15 x Persons on Line, 4 x Vibe Operators.
 Personnel = 1 x PM, 1 x Cable repair, 1 x Vibe Tech, 1 x HSE, 1 x Observer.
 Total Personnel = 24.

Spread Movement

Client: Blue Energy - Cobalt 2D

Layout				Pickup			
Line	Station #	Tot		Line	Station #	Tot	
07-COB-03	341	505	165	07-COB-02			1
Total Stations:			165	Total Stations:			1
				Bad Cables 2			
				Bad Phones 18			
				Bad Boxes 0			

DSS - SURVEY

COMMENTS:

10th Nov 2007 - Survey continued pegging where possible on Cobalt 2D.

Terrex Seismic Crew 401 - Cobalt 2D

Daily Report

CREW 401

Client..... Blue Energy
 Survey Name... Cobalt 2D
 Area..... Injune - ATP 854P - Bowen Basin
 State..... QLD

Party Manager.. Terry Ernst
 Client Rep..... Nick Holding
 Weather..... Rain / Overcast / Humid
 Date..... Sunday, 11 November 2007

Line	VP	VP	File	File	Skips	km	VPs	Stns	TOTALS
						0.0000			VPs... 0 Skips... 0 Lin.km... 0.000 Cum.Lin.km... 36.510
									%Completed... 44.52%
									Cum.Total Vps (Job)... 2301
									Lin.km.Remaining... 45.490
									Av.Daily Production Lin.km 7.302

Chargeable Hrs:		Non Charge (Downtime) Hours:		TOTALS	
Recording.....				Cum.L/Spread Hrs...	2.30
Recorder Move.....				Cum.P/Spread Hrs...	0.00
Line Move.....		Human Error.....			
Detours/Terrain.....		QC Spread.....			
Daily Tests.....		Recorder.....			
Travel.....		Vibes.....			
P/Source, H/Wires, Tap Test.....		WOS.....		Total Hrly Work Rate (Day)...	0.00
QC Spread.....		Other.....		Cum.Hrly Work rate (Job)...	35.40
Layout Spread.....				Total Work Hrs (Day)...	10.00
Pickup Spread.....					
WOS.....				Total St/By Rate Hrs (Day)...	10.00
Other St/By.....		Total Down Time.....	0.00	Cum.St/By Rate Hrs (Job)...	27.80
Weather St/By.....	9.70	Toolbox Meeting.....	0.00		
Washdown St/By.....		Safety Meeting.....	0.30		
		Cum.Non-Charge (Downtime).....	2.00	Cum.Total Hrs (Job)	65.20

COMMENTS:

Crew manager scouting Lines 02 & 03 early morning.
 Lines to wet to access, St/By day = 10.00 Hrs.
 Light vehicles = 13.
 Heavy vehicles = 1 x Service, 1 x Recorder, 1 x Mechos, 1 x Cable Repair, 1 x Spread = 5
 Heavy Vehicles = 4 x Vibrators, Total Trucks = 9.
 Personnel = 15 x Persons on Line, 4 x Vibe Operators.
 Personnel = 1 x PM, 1 x Cable repair, 1 x Vibe Tech, 1 x HSE, 1 x Observer.
 Total Personnel = 24.

Spread Movement							
Client: Blue Energy - Cobalt 2D							
Layout				Pickup			
Line	Station #	Tot		Line	Station #	Tot	
			1				1
Total Stations:			1	Total Stations:			1

DSS - SURVEY	Bad Cables	2
COMMENTS:	Bad Phones	18
	Bad Boxes	0

11th Nov 2007 - Survey continued pegging where possible on Cobalt 2D.

Terrex Seismic Crew 401 - Cobalt 2D

Daily Report

CREW 401

Client..... Blue Energy
 Survey Name... Cobalt 2D
 Area..... Injune - ATP 854P - Bowen Basin
 State..... QLD

Party Manager.. Terry Ernst
 Client Rep..... Nick Holding
 Weather..... Overcast / Clearing / Humid
 Date..... Monday, 12 November 2007

Line	VP	VP	File	File	Skips	km	VPs	Stns	TOTALS	
07-COB-03	375.5	800.5	2305	2729	0	6.3750	425	425	VPs...	694
07-COB-04	764.5	496.5	2730	2998	0	4.0200	269	268	Skips...	0
									Lin.km...	10.395
									Cum.Lin.km...	46.905
									%Completed...	57.20%
									Cum.Total Vps (Job)...	2995
									Lin.km.Remaining...	35.095
									Av.Daily Production Lin.km	7.818

Chargeable Hrs:

Non Charge (Downtime) Hours:

Recording.....	5.80	Cum.L./Spread Hrs...	2.30
Recorder Move.....	0.70	Cum.P./Spread Hrs...	0.00
Line Move.....	1.40	Human Error.....	
Detours/Terrain.....		QC Spread.....	1.20
Daily Tests.....	0.20	Recorder.....	
Travel.....	1.10	Vibes.....	
P/Source, H/Wires, Tap Test.....		WOS.....	Total Hrly Work Rate (Day)...
QC Spread.....		Other.....	Cum.Hrly Work rate (Job)...
Layout Spread.....			Total Work Hrs (Day)...
Pickup Spread.....			Total St/By Rate Hrs (Day)...
WOS.....	1.50		Cum.St/By Rate Hrs (Job)...
Other St/By.....		Total Down Time.....	1.20
Weather St/By.....		Toolbox Meeting.....	0.40
Washdown St/By.....		Safety Meeting.....	0.00
		Cum.Non-Charge (Downtime).....	3.20
		Cum.Total Hrs (Job)	77.50

COMMENTS:

Crew manager scouting Lines 02 & 03 early morning.
 Crew Toolbox Meeting + Liase with Client = 0.4 Hrs St/By
 Resume production on Line # 03, 425 VPs, 6.375 km, 0 Skips.
 Continue production on Line # 04, 269 VPs, 4.02 km, 0 Skips.
 WOS = 1.50 Hrs, due to running with limited spread.
 D/Time QC Spread = 1.20 Hrs, leakage, bad boxes, cables crashing line (Powercontrol)
 Over 190 channels of equipment still unable to access on Line # 02.
 Channels finally able to be picked up from Line # 02 early afternoon.
 HSE continue moving signs from Line # 03 to Line # 04.
 Light vehicles = 13.
 Heavy vehicles = 1 x Service, 1 x Recorder, 1 x Mechos, 1 x Cable Repair, 1 x Spread = 5
 Heavy Vehicles = 4 x Vibrators, Total Trucks = 9.
 Personnel = 15 x Persons on Line, 4 x Vibe Operators.
 Personnel = 1 x PM, 1 x Cable repair, 1 x Vibe Tech, 1 x HSE, 1 x Observer.
 Total Personnel = 24.

Spread Movement

Client: Blue Energy - Cobalt 2D

Layout				Pickup			
Line	Station #	Tot		Line	Station #	Tot	
07-COB-03	505	800	296	07-COB-02	1300	1106	195
07-COB-04	764	219	546	07-COB-03	242	800	559
				07-COB-04	764	650	115
Total Stations:			842	Total Stations:			869

DSS - SURVEY

COMMENTS:

12th Nov 2007 - Survey resumed pegging on Line # 05, Cobalt 2D.

Bad Cables	3
Bad Phones	3
Bad Boxes	2

Terrex Seismic Crew 401 - Cobalt 2D

Daily Report

CREW 401

Client..... Blue Energy
 Survey Name... Cobalt 2D
 Area..... Injune - ATP 854P - Bowen Basin
 State..... QLD

Party Manager.. Terry Ernst
 Client Rep..... Nick Holding
 Weather..... Fine / Humid
 Date..... Tuesday, 13 November 2007

Line	VP	VP	File	File	Skips	km	VPs	Stns	TOTALS	
07-COB-04	496.5	200.5	2999	3292	3	4.4400	293	296	VPs...	752
07-COB-05	200.5	658.5	3293	3750	0	6.8700	459	458	Skips...	3
									Lin.km...	11.310
									Cum.Lin.km...	58.215
									%Completed...	70.99%
									Cum.Total Vps (Job)...	3747
									Lin.km.Remaining...	23.785
									Av.Daily Production Lin.km	8.316

Chargeable Hrs:

Non Charge (Downtime) Hours:

Recording.....	6.50								Cum.L/Spread Hrs...	2.30
Recorder Move.....	1.00								Cum.P/Spread Hrs...	0.00
Line Move.....	1.10						Human Error.....			
Detours/Terrain.....	0.20						QC Spread.....	0.70		
Daily Tests.....	0.30						Recorder.....	0.50		
Travel.....	1.40						Vibes.....			
P/Source, H/Wires, Tap Test.....							WOS.....		Total Hrly Work Rate (Day)...	11.00
QC Spread.....	0.20						Other.....		Cum.Hrly Work rate (Job)...	57.10
Layout Spread.....									Total Work Hrs (Day)...	12.50
Pickup Spread.....										
WOS.....	0.30								Total St/By Rate Hrs (Day)...	0.30
Other St/By.....							Total Down Time.....	1.20	Cum.St/By Rate Hrs (Job)...	28.50
Weather St/By.....							Toolbox Meeting.....	0.30		
Washdown St/By.....							Safety Meeting.....	0.00		
							Cum.Non-Charge (Downtime).....	4.40	Cum.Total Hrs (Job)	90.00

COMMENTS:

Crew Toolbox Meeting = 0.3 Hrs St/By
 Continue production on Line # 04, 293 VPs, 4.440 km, 3 Skips.
 Continue production on Line # 05, 459 VPs, 6.870 km, 0 Skips.
 WOS = 0.30 Hrs.
 D/Time QC Spread = 0.70 Hrs, 4 x bad cables, D/Time Recorder = 0.5 Hrs, APM
 Crew Manager & HSE to Roma - drop off 1 x Observer, 1 x Line Crew.
 Light vehicles = 13.
 Heavy vehicles = 1 x Service, 1 x Recorder, 1 x Mechos, 1 x Cable Repair, 1 x Spread = 5
 Heavy Vehicles = 4 x Vibrators, Total Trucks = 9.
 Personnel = 14 x Persons on Line, 4 x Vibe Operators.
 Personnel = 1 x PM, 1 x Cable repair, 1 x Vibe Tech, 1 x HSE, 1 x Observer.
 Total Personnel = 23.

Spread Movement

Client: Blue Energy - Cobalt 2D

Layout				Pickup			
Line	Station #	Tot		Line	Station #	Tot	
07-COB-04	218	200	19	07-COB-04	649	200	450
07-COB-05	200	829	630	07-COB-05	200	500	301
Total Stations:				Total Stations:			
				649			
				751			

DSS - SURVEY

COMMENTS:

13th Nov 2007 - Survey completed pegging on Line # 05, Cobalt 2D.

Bad Cables	4
Bad Phones	0
Bad Boxes	0

Terrex Seismic Crew 401 - Cobalt 2D

Daily Report

CREW 401

Client..... Blue Energy
 Survey Name... Cobalt 2D
 Area..... Injune - ATP 854P - Bowen Basin
 State..... QLD

Party Manager.. Terry Ernst
 Client Rep..... Nick Holding
 Weather..... Fine / Humid
 Date..... Wednesday, 14 November 2007

Line	VP	VP	File	File	Skips	km	VPs	Stns	TOTALS	
07-COB-05	658.5	1482.5	3751	4552	22	12.3600	802	824	VPs...	802
									Skips...	22
									Lin.km...	12.360
									Cum.Lin.km...	70.575
									%Completed...	86.07%
									Cum.Total Vps (Job)...	4549
									Lin.km.Remaining...	11.425
									Av.Daily Production Lin.km	8.822

Chargeable Hrs:

Non Charge (Downtime) Hours:

Recording.....	6.90								Cum.L/Spread Hrs...	2.30
Recorder Move.....	1.80								Cum.P/Spread Hrs...	0.00
Line Move.....	0.40						Human Error.....			
Detours/Terrain.....	0.70						QC Spread.....			
Daily Tests.....	0.10						Recorder.....			
Travel.....	1.30						Vibes.....	0.10		
P/Source, H/Wires, Tap Test.....							WOS.....		Total Hrly Work Rate (Day)...	11.90
QC Spread.....	0.70						Other.....		Cum.Hrly Work rate (Job)...	69.00
Layout Spread.....									Total Work Hrs (Day)...	12.30
Pickup Spread.....									Total St/By Rate Hrs (Day)...	0.30
WOS.....									Cum.St/By Rate Hrs (Job)...	28.80
Other St/By.....							Total Down Time.....	0.10		
Weather St/By.....							Toolbox Meeting.....	0.30		
Washdown St/By.....							Safety Meeting.....	0.00		
							Cum.Non-Charge (Downtime).....	4.50	Cum.Total Hrs (Job)	102.30

COMMENTS:

Crew Toolbox Meeting = 0.3 Hrs St/By
 Complete production on Line # 05, 802 VPs, 12.360 km, 22 Skips.
 QC Spread = 0.7 Hrs, cattle dragged geophones and cables.
 D/Time Vibes = 0.10 Hrs.
 PM to field, check line # 06.
 HSE to field, move signage around, wash down 2 x vehicles.
 1 x Line Crew person gone on leave.
 Light vehicles = 13.
 Heavy vehicles = 1 x Service, 1 x Recorder, 1 x Mechos, 1 x Cable Repair, 1 x Spread = 5
 Heavy Vehicles = 4 x Vibrators, Total Trucks = 9.
 Personnel = 13 x Persons on Line, 4 x Vibe Operators.
 Personnel = 1 x PM, 1 x Cable repair, 1 x Vibe Tech, 1 x HSE, 1 x Observer.
 Total Personnel = 22.

Spread Movement

Client: Blue Energy - Cobalt 2D

Layout				Pickup			
Line	Station #	Tot		Line	Station #	Tot	
07-COB-05	830	1482	653	07-COB-05	501	1380	880
07-COB-06	200	350	151				
Total Stations:				Total Stations:			
				804			
				880			

DSS - SURVEY

COMMENTS:

14th Nov 2007 - Survey continued pegging on Line # 06, Cobalt 2D.

Bad Cables	0
Bad Phones	1
Bad Boxes	0

Terrex Seismic Crew 401 - Cobalt 2D

Daily Report

CREW 401

Client..... Blue Energy
 Survey Name... Cobalt 2D
 Area..... Injune - ATP 854P - Bowen Basin
 State..... QLD

Party Manager.. Terry Ernst
 Client Rep..... Nick Holding
 Weather..... Fine / Humid
 Date..... Thursday, 15 November 2007

Line	VP	VP	File	File	Skips	km	VPs	Stns	TOTALS	
07-COB-06	200.5	985.5	4553	5291	47	11.7750	739	785	VPs...	739
									Skips...	47
									Lin.km...	11.775
									Cum.Lin.km...	82.350
									%Completed...	96.91%
									Cum.Total Vps (Job)...	5288
									Lin.km.Remaining...	2.625
									Av.Daily Production Lin.km	9.150

Chargeable Hrs:

Non Charge (Downtime) Hours:

Recording.....	6.90								Cum.L/Spread Hrs...	2.30
Recorder Move.....	1.80								Cum.P/Spread Hrs...	0.00
Line Move.....							Human Error.....			
Detours/Terrain.....	0.70						QC Spread.....	0.70		
Daily Tests.....	0.10						Recorder.....			
Travel.....	2.30						Vibes.....			
P/Source, H/Wires, Tap Test.....							WOS.....		Total Hrly Work Rate (Day)...	12.00
QC Spread.....	0.20						Other.....		Cum.Hrly Work rate (Job)...	81.00
Layout Spread.....									Total Work Hrs (Day)...	13.00
Pickup Spread.....										
WOS.....									Total St/By Rate Hrs (Day)...	0.30
Other St/By.....							Total Down Time.....	0.70	Cum.St/By Rate Hrs (Job)...	29.10
Weather St/By.....							Toolbox Meeting.....	0.30		
Washdown St/By.....							Safety Meeting.....	0.00		
							Cum.Non-Charge (Downtime).....	5.20	Cum.Total Hrs (Job)	115.30

COMMENTS:

Crew Toolbox Meeting = 0.3 Hrs St/By
 Continue production on Line # 06, 739 VPs, 11.775 km, 47 Skips.
 QC Spread = 0.2 Hrs, little cattle damage.
 D/Time QC Spread = 0.70 Hrs. Cables & Boxes causing line problems.
 Excessive travel Time = 2.3 Hrs, due to no accommodation at Injune, travel to Roma.
 PM, HSE & Cable Repair moving camp from Injune to Roma, 2 x trips.
 Light vehicles = 13.
 Heavy vehicles = 1 x Service, 1 x Recorder, 1 x Mechos, 1 x Cable Repair, 1 x Spread = 5
 Heavy Vehicles = 4 x Vibrators, Total Trucks = 9.
 Personnel = 13 x Persons on Line, 4 x Vibe Operators.
 Personnel = 1 x PM, 1 x Cable repair, 1 x Vibe Tech, 1 x HSE, 1 x Observer.
 Total Personnel = 22.

Spread Movement

Client: Blue Energy - Cobalt 2D

Layout				Pickup			
Line	Station #	Tot		Line	Station #	Tot	
07-COB-06	351	1160	810	07-COB-05	1381	1482	102
				07-COB-06	200	830	631
Total Stations:				Total Stations:			
				810			
				733			

DSS - SURVEY

COMMENTS:

15th Nov 2007 - Survey completed pegging on Line # 06, Cobalt 2D.

Bad Cables	2
Bad Phones	0
Bad Boxes	1

Terrex Seismic Crew 401 - Cobalt 2D

Daily Report

CREW 401

Client..... Blue Energy
 Survey Name... Cobalt 2D
 Area..... Injune - ATP 854P - Bowen Basin
 State..... QLD

Party Manager.. Terry Ernst
 Client Rep..... Nick Holding
 Weather..... Fine / Humid
 Date..... Friday, 16 November 2007

Line	VP	VP	File	File	Skips	km	VPs	Stns	TOTALS	
07-COB-06	985.5	1160.5	5292	5466	0	2.6250	175	175	VPs...	175
									Skips...	0
									Lin.km...	2.625
									Cum.Lin.km...	84.975
									%Completed...	100.00%
									Cum.Total Vps (Job)...	5463
									Lin.km.Remaining...	0.000
									Av.Daily Production Lin.km	8.498

Chargeable Hrs:

Non Charge (Downtime) Hours:

Recording.....	1.60								Cum.L/Spread Hrs...	2.30
Recorder Move.....									Cum.P/Spread Hrs...	1.60
Line Move.....							Human Error.....			
Detours/Terrain.....							QC Spread.....			
Daily Tests.....	0.10						Recorder.....			
Travel.....	1.40						Vibes.....			
P/Source, H/Wires, Tap Test.....							WOS.....		Total Hrly Work Rate (Day)...	4.90
QC Spread.....	0.20						Other.....		Cum.Hrly Work rate (Job)...	85.90
Layout Spread.....									Total Work Hrs (Day)...	8.50
Pickup Spread.....	1.60								Total St/By Rate Hrs (Day)...	3.60
WOS.....									Cum.St/By Rate Hrs (Job)...	32.70
Other St/By.....							Total Down Time.....	0.00		
Weather St/By.....							Toolbox Meeting.....	0.30		
Washdown St/By.....	3.30						Safety Meeting.....	0.00		
							Cum.Non-Charge (Downtime).....	5.20	Cum.Total Hrs (Job)	123.80

COMMENTS:

Crew Toolbox Meeting = 0.3 Hrs St/By
 Complete production on Line # 06, 175 VPs, 2.625 km, 0 Skips.
 Complete Cobalt 2D.
 QC Spread = 0.2 Hrs, little cattle damage.
 Excessive travel Time = 1.4 Hrs, due to no accommodation at Injune, travel from Roma.
 PM, HSE & Cable Repair moving camp from Roma to Miles, 2 x trips.
 Pick up remaining spread.
 Washdown heavy vehicles @ Injune, washdown light vehicles @ Roma.
 Prospect move from Injune to Roma to Miles. Crew overnighed @ Miles.
 Light vehicles = 13.
 Heavy vehicles = 1 x Service, 1 x Recorder, 1 x Mechos, 1 x Cable Repair, 1 x Spread = 5
 Heavy Vehicles = 4 x Vibrators, Total Trucks = 9.
 Personnel = 13 x Persons on Line, 4 x Vibe Operators.
 Personnel = 1 x PM, 1 x Cable repair, 1 x Vibe Tech, 1 x HSE, 1 x Observer.
 Total Personnel = 22.

Spread Movement

Client: Blue Energy - Cobalt 2D

Layout			Pickup		
Line	Station #	Tot	Line	Station #	Tot
		1	07-COB-06	831 1160	330
Total Stations:			Total Stations:		
		1			330

DSS - SURVEY

COMMENTS:

16th Nov 2007 - Survey @ Goondiwindi, Indigo 2D.

Bad Cables	0
Bad Phones	0
Bad Boxes	0

APPENDIX H

RECORDING STATISTICS



Date	Travel Time	Downtime	Recording	Layout/Pick-up Spread	QC Spread	Recorder/Vibrator Move	Detours & Terrain	Prospect Move	Line Move	H/Wires & P/Source & Tests	WOS	Weather/Other	Safety Meetings	Total Stand-by	Total Hours	Total Kms
	Chargeable	Non-Chargeable	Chargeable	Chargeable	Chargeable	Chargeable	Chargeable	Chargeable	Chargeable	Chargeable	Chargeable	Stand-by	Stand-by	Chargeable	Chargeable	
6 November 2007	0.30	0.50	1.70	2.30	0.10	0.50		3.80					0.30	0.30	8.70	2.9100
7 November 2007	1.10	0.20	4.70		0.30	0.60				0.80		4.00	0.30	4.30	7.50	9.4500
8 November 2007	0.90	0.30	3.90		0.20	0.50	0.30		0.70			4.60	0.30	4.90	6.50	7.4550
9 November 2007	0.60	0.50	7.00		0.10	1.20	0.40		0.90				0.30	0.30	10.20	14.7000
10 November 2007	0.50	0.50	1.00		0.20				0.80			5.20	0.30	5.50	2.50	1.9950
11 November 2007												9.70	0.30	10.00	0.00	
12 November 2007	1.10	1.20	5.80		0.20	0.70			1.40		1.50		0.40	0.40	10.70	10.3950
13 November 2007	1.40	1.20	6.50		0.50	1.00	0.20		1.10		0.30		0.30	0.30	11.00	11.3100
14 November 2007	1.30	0.10	6.90		0.80	1.80	0.70		0.40				0.30	0.30	11.90	12.3600
15 November 2007	2.30	0.70	6.90		0.30	1.80	0.70						0.30	0.30	12.00	11.7750
16 November 2007	1.40		1.60	1.60	0.30								0.30	0.30	4.90	2.6250
Total	10.9000	5.2000	46.0000	3.9000	3.0000	8.1000	2.3000	3.8000	5.3000	0.8000	1.8000	23.5000	3.4000	26.9000	85.9000	84.9750