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2003 Gawler Seismic Survey

Field Acquisition & Operations Report

Trace Energy Services

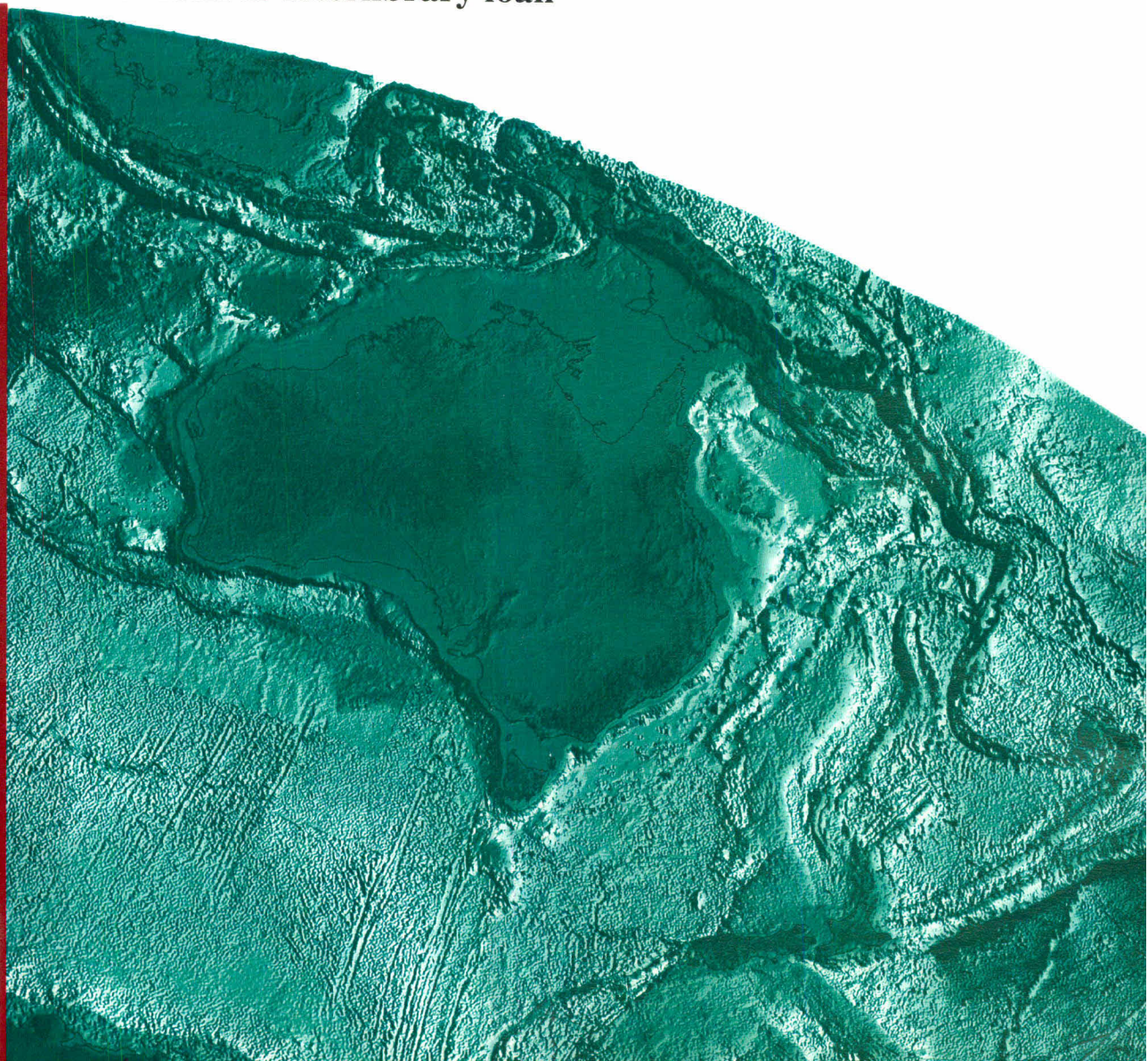
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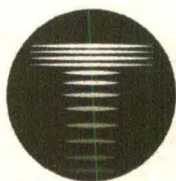
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TRACE
TRACE ENERGY SERVICES

2003 GAWLER SEISMIC SURVEY

FIELD ACQUISITION OPERATIONS REPORT



ANSIR

JULY AUGUST 2003



BY

MIKE BOKOR

OF

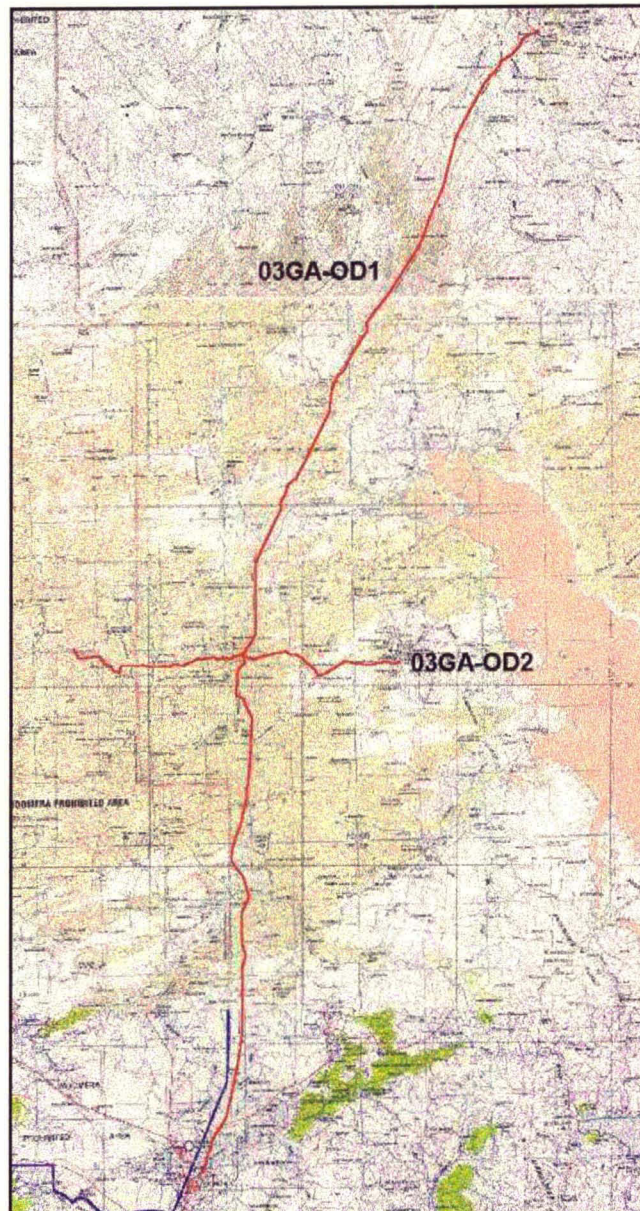
**TRACE ENERGY SERVICES
U2 / 37 HOWSON WAY
BIBRA LAKE WESTERN AUSTRALIA 6163**

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1. INTRODUCTION

Trace Energy Services was contracted by ANSIR to conduct the 2003 Gawler Seismic Survey. The survey was situated in the Roxby Downs area in South Australia. Two lines were recorded in this area over seventeen days with a total of 250.8 Kms recorded



1.1 Geographical Area

The seismic program was conducted in the Roxby Downs area. The area consisted of desert terrain with areas that were under restrictions due to the Department of Defence

1.2 Weather

The weather was fine throughout the program with very cold mornings and evenings. Very light drizzle fell on one afternoon but there were no interruptions to production. There was no time lost for weather.

1.3 Logistics

Crew 401 mobilized from Millicent in South Australia to Roxby Downs.

The Vibrators were mobilized from Alice Springs to Roxby Downs by Slingshot Haulage before the main crew arrived and stored in Olympic Dam Transport yard near the Olympic Dam mine site.

The seismic equipment was mobilized from Canberra before the main crew arrived and stored at the Olympic Dam Transport yard

All personnel were accommodated at Myall Grove Caravan Park in Villas. The office was setup in Villa seven which had a phone line installed to supply fax and phone communications with Perth office. The cable repair van was also situated at the park with all battery charging situated at the van.

The Roxby Sporting Club supplied all meals; the park was located in the middle of town a short fifteen-minute walk from the Caravan Park.

Fuel was supplied from the Trace Energy tanker that was parked in the Olympic Dam Transport yard. A BP tanker on a regular basis topped up the tanker.

Travel to and from the seismic lines was via local shire roads; mine roads and station access tracks.

Communications between all parties was via Trace Energy Services own UHF radios and 40 channel UHF CB radios. An ANSIR satellite phone was used to communicate between the crew and the office in Roxby Downs. Mobile phones had limited use in the prospect area.

2. SURVEYING

2.1 CHAINING / SURVEYING

Dynamic Satellite Surveys carried out all surveying and chaining for this project. They also carried out a gravity survey as they progressed down the line. Refer to separate survey report from Dynamic Satellite Surveys.

2.2 LINE CLEARING

No line clearing was necessary for this project. Existing tracks and roads where used were possible to minimize environmental impact.

2.3. PERMITTING

Personnel from South Australian Government (PIRSA) carried out all clearances and permitting for the program.

3 RECORDING

The first production profile was recorded on the 22nd July on line 03GA-OD1. Experimentals were conducted on the same day at the northern end of the line, a total of 47 files were acquired in testing. At the completion of testing the vibrators moved to the start and commenced production.

Line 03GA-OD1

The line was commenced in the north on the intersection of Borefield Road and Oodnadatta Track. The line then continued down close to the Olympic Dam mine site before turning off and following the power line. This road was wide and unsealed with only light traffic during the program. Road signs were used to regulate the traffic along this road. The line turned off from the power lines and followed the main road towards Woomera. Traffic control signs were also used the whole length of this sealed section with a more intensive effort needed because of the increased traffic flow.



Vibes in production on Borefield Road



This dingo caused three cable breaks over two days

Line 03GA-OD2

The line commenced in the west on Roxby Downs Station and ran along station tracks. The line then progressed on the southern side of the mine site and proceeded past the old pilot plant then over the main access road to Olympic Dam mine site onto a unsealed road that went past the desalination plant. The line then moved over Borefield Road onto station tracks again until it moved onto the sealed road that ran up to Andamooka. Restrictions were put on the crew when moving up the line on the station tracks due to the sensitive nature of the terrain. All efforts had to be made to avoid damage when vehicles were passing each other. All gates had to be kept closed and locked at all times to restrict non authorized personal entering the area.



Vibes on road to Andamooka



Loading spare vibe to move south

APPENDIX "A"

PERSONNEL

CREW LIST – 2003 Gawler Survey

	NAME	POSITION
1	R. Stephenson	Crew Manager
2	R Gregg	Safety Officer
3	M Bokor	Observer / Technician
4	P O'Donnell	Observer
5	J. Philippson	Vibe Mechanic
6	N Grainger	Cable / Phone Repair
7	S Goossens	Vibrator Operator
8	A Bann	Vibrator Operator
9	S Beneke	Vibrator Operator
10	A Pippos	Vibrator Operator
11	D Postans	Vibrator Operator
12	L McHugh	Line Boss
13	R Auckram	Line Crew
14	T Ernst	Line Crew
15	L Goold	Line Crew
16	J Goossens	Line Crew
17	J Keane	Line Crew
18	S Toll	Line Crew
19	D Hildred	Line Crew
20	T Hutchison	Line Crew
21	M Bann	Line Crew
22	J Pope	Line Crew
23	L Shuttleworth	Line Crew
24	D Viney	Truck Driver
25	B Olszowly	Mechanic
26	D Rea	Cable / Phone Repair

APPENDIX "B"

EQUIPMENT SPECIFICATIONS

RECORDING EQUIPMENT

Acquisition System:

- Aram 24 Bit Seismic Data Acquisition System
- Pelton Advance 2 Model 6 Encoder Sweep Generator ESG
- One (1) Pelton Advance 2 Model 6 PC Based VIBSIG Real QC System
- Forty Eight (48) Remote Acquisition Modules (384 Channels)
- Forty Eight (48) Telemetry Data Cables (384 Channels), with 8 Take-outs
- Four Hundred (400) Geophone Strings. OYO GS-32CT (400 Channels with 12 ph/group)
- Sensor SMT-200 Geophone Tester and QC System

SOURCE EQUIPMENT

- Four (4) Hemi 60 Vibrators
- Four (4) Pelton Advance 2 Model 6 VCEs plus various spare boards
- Vibrators are equipped with Force Control and Ground Force Phase Lock using M5 High Performance accelerometer
- Electronics are capable of correlating various individual sweeps frequencies and compositing any range or variation of upsweeps or downsweeps within the same VP location. This process is Trade Marked as Varisweep.

VEHICLES

No	Year	Model	Make	Type
One(1)	2001	HZJ80	Toyota	4x4 Station Wagon
One(1)	2001	HZJ 78	Toyota	4x4 Tray Top
Two(2)	2001	HZJ78	Toyota	4x4 Cable Ute's
One(1)	2001	HZJ78	Toyota	4x4 Line Boss Ute
Two(2)	2001	HZJ78	Toyota	4x4 Geo Phone Ute's
One(1)	2000	HZJ75	Toyota	4x4 Crew Cab
One(1)	1999	HZJ75	Toyota	4x4 Personal Carrier
One(1)	2001	HZJ78	Toyota	4x4 Mechanics Tray Top
One(1)	2001	FTS	Isuzu	4x4 Vibe Service Truck
One(1)	2001	FTS	Isuzu	4x4 Crane Truck
One(1)	1998	FTS	Hino	6x4 Fuel Truck
One(1)	1995		Barravan	Cable Geophone Repair Van
One(1)	2002		Trailer	Dual Axle Road Sign Trailer

APPENDIX "C"

OCCUPATIONAL HEALTH AND SAFETY STANDARDS

- Site Specific Safety Plan
- Induction meeting at start of program
- Road traffic control management course for five line crew personal
- Morning toolbox meetings
- High Visibility vest for line crew
- Sunday morning crew safety meeting
- Field crew must wear shirts; long trousers and safety footwear at all times
- Vehicles fitted the high visibility poles
- Vehicles fitted flashing beacons
- UHF 40 Channel Radios along with Mobile Satellite Telephones fitted in recorder

APPENDIX "D"

3490E - Exabyte - CD Summary								
3490E								
Reel	Stn	To	Stn	File	To	File	Comments	
L16303001	1118	-	1126	1	-	47	Parameter Testing	
L16303002	1000	-	1190	48	-	143		
L16303003	1192	-	1380	144	-	238		
L16303004	1382	-	1576	239	-	336		
L16303005	1578	-	1792	337	-	442		
L16303006	1794	-	1960	443	-	526		
L16303007	1962	-	2158	527	-	625	Void file 626	
L16303008	2160	-	2366	626	-	730		
L16303009	2368	-	2496	731	-	795		
L16303010	2494	-	2700	794	-	897	Problems searching tape on recorder move	
L16303011	2702	-	2912	898	-	1003	File 794,795 Rewritten as a precaution	
L16303012	2914	-	3122	1004	-	1108	Problems searching tape on recorder move	
L16303013	3124	-	3334	1109	-	1214		
L16303014	3336	-	3452	1215	-	1273		
L16303015	3454	-	3664	1274	-	1379		
L16303016	3666	-	3846	1380	-	1470		
L16303017	3848	-	3994	1471	-	1576		
L16303018	3996	-	4150	1577	-	1653	File rewritten from 1274 as a precaution	
L16303019	4152	-	4346	1654	-	1751		
L16303020	4348	-	4522	1752	-	1839	Start of 03GA-OD2 Problems reading tape	
L16303021	4524	-	4736	1840	-	1946		
L16303022	4738	-	4948	1947	-	2052		
L16303023	4950	-	5140	2053	-	2148		
L16303024	5142	-	5338	2149	-	2247		
L16303025	5340	-	5488	2248	-	2322		
L16303026	5490	-	5698	2323	-	2427		
L16303027	5700	-	5834	2428	-	2495		
L16303028	1000	-	1124	2496	-	2558		
L16303029	1126	-	1266	2559	-	2629		
L16303030	1268	-	1478	2630	-	2735		
L16303031	1480	-	1690	2736	-	2840		
L16303032	1692	-	1846	2841	-	2918		
L16303033	1848	-	2054	2919	-	3022		
L16303034	2056	-	2242	3023	-	3122		
L16303035	2244	-	2386	3123	-	3194		
L16303036	2388	-	2436	3195	-	3219		
Exabyte								
Reel	Stn	To	Stn	File	To	File		Comments
E16303001	1118	-	1126	1	-	47		Parameter Testing
E16303002	1000	-	1960	48	-	526		
E16303003	1962	-	2844	527	-	969	Void file 626	
E16303004	2846	-	3862	970	-	1485		
E16303005	3863	-	4642	1486	-	1899	Start of 03GA-OD2	
E16303006	4644	-	4848	1900	-	2002		
E16303007	4850	-	5782	2003	-	2469		
E16303008	5784	-	5834	2470	-	2495		
E16303009	1000	-	1594	2496	-	2793		
E16303010	1596	-	2436	2794	-	3219		

CD Disc							
CD	Stn	To	Stn	File	To	File	Comments
CD16303001	1118	-	1126	1	-	47	Parameter Testing
CD16303002	1000	-	1110	48	-	103	
CD16303003	1112	-	1254	104	-	175	
CD16303004	1256	-	1384	176	-	240	
CD16303005	1386	-	1516	241	-	306	
CD16303006	1518	-	1678	307	-	387	
CD16303007	1680	-	1848	388	-	470	
CD16303008	1850	-	1960	470	-	526	File 470 copied again
CD16303009	1962	-	2122	527	-	607	
CD16303010	2124	-	2282	608	-	688	Void file 626
CD16303011	2284	-	2446	689	-	770	
CD16303012	2448	-	2606	771	-	850	
CD16303013	2608	-	2768	851	-	931	
CD16303014	2770	-	2844	932	-	969	
CD16303015	2846	-	3006	970	-	1050	
CD16303016	3008	-	3166	1051	-	1130	
CD16303017	3168	-	3326	1131	-	1210	
CD16303018	3328	-	3486	1211	-	1290	
CD16303019	3488	-	3646	1291	-	1370	
CD16303020	3648	-	3806	1371	-	1450	
CD16303021	3808	-	3862	1451	-	1485	
CD16303022	3863	-	3964	1486	-	1560	
CD16303023	3966	-	4124	1561	-	1640	
CD16303024	4126	-	4282	1641	-	1719	
CD16303025	4284	-	4444	1720	-	1800	
CD16303026	4446	-	4604	1801	-	1880	
CD16303027	4606	-	4764	1881	-	1960	
CD16303028	4766	-	4848	1961	-	2002	
CD16303029	4850	-	5010	2003	-	2083	
CD16303030	5012	-	5172	2084	-	2164	
CD16303031	5174	-	5334	2165	-	2245	
CD16303032	5336	-	5500	2246	-	2328	
CD16303033	5502	-	5666	2329	-	2411	
CD16303034	5668	-	5788	2412	-	2472	
CD16303035	5790	-	5834	2473	-	2495	
CD16303036	1000	-	1138	2496	-	2565	Start of 03GA-OD2
CD16303037	1140	-	1298	2566	-	2645	
CD16303038	1300	-	1458	2646	-	2725	
CD16303039	1460	-	1594	2726	-	2793	
CD16303040	1596	-	1760	2794	-	2875	
CD16303041	1762	-	1896	2876	-	2943	
CD16303042	1898	-	2034	2944	-	3012	
CD16303043	2036	-	2192	3013	-	3093	
CD16303044	2194	-	2310	3094	-	3156	
CD16303045	2312	-	2422	3157	-	3212	
CD16303046	2424	-	2436	3213	-	3219	

APPENDIX "E"

Month:	July
Year	2003
Client	Ansir
Location	Roxby Downs, South Australia
Permit Area	
Total Personnel on Crew	26
Total Hours Worked (a)	141.36
Total Exposed Hours (b)	3675.5
No of Minor Injuries (c)	0
No of Medical Treatments (d)	1
No of LTI's (e)	0

(a) Total Number of Hours Worked in the Permit area per person

(b) Total exposed Hours = (a) x total number of personnel

(c) Number of injuries that required treatment by first aid/medic

(d) Number of injuries that required treatment by medical practitioner Not LTI's

(e) Number of LTI's as identified by Australian Standard 1885

Month:	August
Year	2003
Client	Ansir
Location	Roxby Downs, South Australia
Permit Area	
Total Personnel on Crew	26
Total Hours Worked (a)	68.5
Total Exposed Hours (b)	1791
No of Minor Injuries (c)	0
No of Medical Treatments (d)	0
No of LTI's (e)	0

(a) Total Number of Hours Worked in the Permit area per person

(b) Total exposed Hours = (a) x total number of personnel

(c) Number of injuries that required treatment by first aid/medic

(d) Number of injuries that required treatment by medical practitioner Not LTI's

(e) Number of LTI's as identified by Australian Standard 1885

APPENDIX "F"

SAFETY MEETING REPORT

Date:	27-07-03
Client:	ANSIR
Prospect:	Gawler
Area:	Roxby Downs
State:	South Australia
Party Manager:	Bob Stephenson
Scribe:	Russell Gregg
Client Rep:	David Johnstone

# Of Accidents since Last Meeting. Vehicles	0
# Of Accidents Since Last Meeting. Employees	0
# Of Compensation Claims Since Last Meeting.	0
# Of LTI'S Since Last Meeting.	0

Details:

This meeting was held outside Trace Energy's Temporary field office in Roxby Downs at 0700 hrs

Bob Stephenson the Crew Manager addressed the crew on how the survey is going and asked the crew to keep up the good work. In addition, to be aware of extra traffic for the next couple of days as there are a lot of tourists around, and the traffic is likely to be heavier.

Russell Gregg the crews Safety officer then addressed the crew on the following topics.

Thanked the crew for the work that they have been doing when laying and picking up spread on the gravel road as it is very dusty and the ground tends to be very uneven at times.

The crew was then told of the incident free week we have had and that no incidents. It was asked that the crew flag obstacles when they come across them and use the radio and pass on this type of information.

The crew was asked to ensure that keep a watch out for traffic and ensure that all traffic warning devices are put in place and that vests are worn and worn properly.

Reminder that seatbelts are to be worn at all times.

The crew were once again warned and informed on the Trace Energy Alcohol and Drug guidelines, and that they will be policed and enforced.

The crew was asked to report any near misses or incidents, so that it can be rectified.

Trace Energy Services Personnel:

J.Phillipson, R.Gregg, P.Odonnel, N.Grainger, D.Viney S.Goossens, J.Goossens,
D.Postans,A.Bann, S.Beneke, L.Goold, J.Keane, D.Rea,
L.Shuttleworth,R.Auchram,T.Hutchinson, T.Earnst, L.McHugh, S.Toll, M.Bann,
D.Hildred, A.Pippos, J.Pope,

Client Personnel:

David Johnstone.

APPENDIX "G"

Trace Toolbox Meetings by Russel Gregg

ANSIR

2003 Gawler Survey

Tuesday the 22nd of July 2003.

The crew were asked to ensure that flashing beacons be on at all times when working alongside the road as well as all people walking alongside the road are to ensure that high visibility vests are worn and done up.

Extra roadwork signs have been ordered and should be on the crew in the next couple of days.

The crew was asked to take care whilst driving out to the start of the line as it is around 110kms away. Most of the travelling will be done on dusty gravel roads also keep watch out for tourists travelling along the road as it is fairly busy at this time of year.

Three Managers from the Western Mining Corporation addressed the crew even though they have nothing to do with the contract but most of the lines run through their leases and their private roads, the comments that they passed on were mainly environmental.

Wednesday the 23rd of July 2003.

This morning the crew talked about the moving up of the road signs and the importance of not becoming complacent about road safety because we are working on a gravel road that does not have a very high volume of traffic. Remember it only takes a fraction of a second for someone to lose concentration and cause an incident; it may be a public road user or a crewmember, so stay alert. Please take care not to dust people out when driving down the lines.

Thursday the 24th of July 2003.

The crew were thanked for working a good day yesterday and shooting around 14kms, they were also asked to take care whilst driving in at the end of the day as we are still quite a fair distance away from camp.

The crew were also asked to check the line traces that they have been given as there a quite a few pipelines that cross the line. And we do not want to break or cause any damage any of them.

Friday the 25th of July 2003.

Today's main topic was taking care with the tourist traffic that was moving up the line, as at times it can be numerous for some periods and then you wont see another vehicle for two hours. The line crew were asked to stay alert for this hazard and to ensure that all road traffic control devices be put in place. High visibility vest are to be worn properly meaning they must be done up at all times.

Saturday the 26th of July 2003.

The crew was thanked for a great day yesterday for a good production day. The crew was asked to take care whilst driving in and out to the line as on some of the corners on the gravel road, loose gravel was starting to build up where the road has been used a lot. The chance of a vehicle sliding out has increased.

Sunday the 27th of July 2003.

There was no toolbox this morning as the weekly Safety Meeting was held.

Monday the 28th of July 2003.

The crew had a great day yesterday although there were some communication problems in the morning. 20kms or just over was recorded which is excellent. The crew was warned to be on the lookout for trail bikes as there is quite a considerable amount crossing the lines as they cruise through the bush and they will not be looking for you. Also the surveyors were asked to put the line as far off the bitumen as possible to reduce the risk to the line crew as from today, they will be laying spread alongside the road.

Tuesday the 29th of July 2003.

The crew were warned to take care whilst stomping geophones on the line as at the moment the line is very hard and placing phones correctly will be hard if any ankle or wrist soreness occurs report it straight away so that it can be strapped up. Also be on the lookout for heavy vehicles as of now the line is next to the main road to Woomera

Wednesday the 30th of July 2003.

The crew was thanked for the previous day as it was a good production day. The road works were discussed as the new signs have been delivered, the crew were also handed out new high visibility stress jackets for road work so now there is no excuse for them not to be worn.

Thursday the 31st of July 2003.

The crew had another good day previous, the road works were discussed as they seem to be working efficiently with nearly all traffic slowing down when approaching the working areas, today the line jumps off the road at periods of time but it is still essential to have a pilot vehicle on standby as they will at times have to pull on to the road.

Friday the 1st of August 2003.

Today should be the last day of shooting along the main road the crew were asked to maintain their vigilance and be cautious of traffic as it being Friday the volumes of traffic may increase. The crew was thanked for the good day's production the day before.

Saturday the 2nd of August 2003.

The crew finished shooting along the road yesterday but still have to pick up the remaining spread. So still be aware of the traffic and carry on what they have been doing thus far. When starting the new line beware to stay on the track and not go off it as there is a large amount of heritage sites out there, also there are several gates that have to be locked when passing through them, keys have been distributed so use them and ensure that gates are shut and locked when passing through them.

Sunday the 3rd of August 2003.

No toolbox held this morning as the weekly Safety Meeting took place.

Monday the 4th of August 2003.

The crew was told that hanging off the side of a vehicle is highly dangerous and crewmembers know better than to do so, so it will not be seen again. The crew was asked to take care when laying the cable mat this morning as it is at the entrance of the mine and quite possibly there will be a shift change. Also when crossing the Borefield Rd take extra care as where the line crosses the road it is on a crest, Traffic warning devices will need to be put in place.

Tuesday the 5th of August 2003.

Today should be the last day of production on this area of the contract, the crew were thanked for doing a good job safely and asked to keep it up, a few traffic signs will have to be moved up this morning to cover the traffic near Andamooka, even though there is a low volume of traffic in this area, still be cautious and keep doing the things that need to be done to ensure yours and the public's safety.

Wednesday the 6th of August 2003.

Today the crew will have to pick up the spread and pack it back into the container, because this part of the contract has finished.

It was asked that the crew still take care whilst picking up the spread as they are still on the roads. Once all the spread is all picked up, all vehicles are to be made ready for the camp move. This means all lights and indicators are to be checked and any defects on the vehicles are to be reported and fixed.

Thursday the 7th of August 2003.

The crew will be travelling around 680kms today to the next area of the prospect, it is asked of all drivers to abide by the road rules and maintain even spacing between vehicles so other road users have adequate overtaking room and a space to pull into.

TRACE ENERGY SERVICES **DAILY PRODUCTION REPORT**

CREW 401 DATE..... 15-Jul-03

Client.....	ANSIR	Party Manager..	Bob Stephenson
Survey Name.	Gawler	Client Rep.....	David Johnston
Area.....	Roxby Downs	Weather.....	Fine
State.....	South Australia		

RECORDING				Kms.	SKIPS	PROFILES	TOTALS
Line No.....	03GA-OD1	Rec	Rec			Profiles.....	0
Line No.....		Rec	Rec			Skips.....	0
Line No.....		Rec	Rec			Kms.....	0.000
Line No.....		Rec	Rec			Cum Kms..	0.000

HOURS				Down Time -		Extra Charges	
	Travel Time.....			Recorder.....		Extra Hrs.....	
	Test Time.....			Cables.....		Detours Charge Hrs	
	Recording Time...			ATU's.....		Washdowns.....Hrs	
Other Time	Line Change.....			Detours/Terr...		Extra Other Charge..	
	Recorder Move..			W / on Spread.		Total Extra.....Hrs	0.00
	Detours/Terrain.			Stock Damage		Total Extra(Job).Hrs	0.00
	Experimental...			Other.....		Processing Hrs.....	
	QC Spread						
	Pick up Spread....						
	Vibes Drive to Camp						
	Stock Damage..			Total Down Time.....	0.00	Total Day.....Hrs	0.00
	Safety Meeting..			Cum. Down Time (Job)	0.00	Total Hrs (Job).....	0.00

COMMENTS:

SURVEY							
Line No.....	STN..	STN..	Kms.		Establish 3 base stations Bas1,Bas2 & Bas3		
Line No.....	STN..	STN..	Kms.				
Line No.....	STN..	STN..	Kms.				
Line No.....	STN..	STN..	Kms.			Total Kms.....	0.000
Line No.....	STN..	STN..	Kms.			Cum. Kms. (Job).....	0.000

GRAVITY							
Line No.....	STN..	STN..	Kms.				
Line No.....	STN..	STN..	Kms.				
Line No.....	STN..	STN..	Kms.				
Line No.....	STN..	STN..	Kms.			Total Kms.....	0.000
Line No.....	STN..	STN..	Kms.			Cum. Kms. (Job).....	0.000

RANGING							
Line No.....	Kms						
Line No.....	Kms						
Line No.....	Kms					Total Kms.....	0.000
Line No.....	Kms					Cum. Kms. (Job).....	0.00

LINE CLEAR							
Dozer	1 Line No.....		Kms. Cut.....	Hrs.		Total Kms.....	0.000
Dozer	2 Line No.....		Kms. Cut.....	Hrs.		Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....		Kms. Cut.....	Hrs.		Total Hours.....	0.00
Grader	1 Line No.....		Kms.Graded....	Hrs.		Total Hrs (Job).....	0.00

DRILLING						PRE LOADING			
Rig No.	1	# Mtr	#Holes	Hrs		1	# Holes	# Dets	# Charges
Rig No.	2	# Mtr	#Holes	Hrs		2	# Holes	# Dets	# Charges
Rig No.	3	# Mtr	#Holes	Hrs		3	# Holes	# Dets	# Charges
Rig No.	4	# Mtr	#Holes	Hrs		4	# Holes	# Dets	# Charges
Rig No.	5	# Mtr	#Holes	Hrs		5	# Holes	# Dets	# Charges
Rig No.	6	# Mtr	#Holes	Hrs		6	# Holes	# Dets	# Charges
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0		Total # Holes.....	0	Cum #Holes(Job)	0
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0		Total Dets.....	0	Cum Dets(Job)	0
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0		Total Charges	0	Total # Charges(Job)	0

COMMENT

TRACE ENERGY SERVICES **DAILY PRODUCTION REPORT**

CREW 401		DATE..... 16-Jul-03	
Client.....	ANSIR	Party Manager.	Bob Stephenson
Survey Name.	Gawler	Client Rep.....	David Johnston
Area.....	Roxby Downs	Weather.....	Fine
State.....	South Australia		

RECORDING		Kms.	SKIPS	PROFILES	TOTALS
Line No.....	Rec	Rec		Profiles.....	0
Line No.....	Rec	Rec		Skips.....	0
Line No.....	Rec	Rec		Kms.....	0.000
Line No.....	Rec	Rec		Cum Kms..	0.000
Line No.....	Rec	Rec			
HOURS		Down Time -		Extra Charges	
	Travel Time.....			Extra Hrs.....	0.00
	Test Time.....		Recorder.....	Detours Charge Hrs	0.00
	Recording Time...		Cables.....	Washdowns.....Hrs	0.00
Other Time	Line Change.....		ATU's.....	Extra Other Charge..	0.00
	Recorder Move..		Detours/Terr...	Total Extra.....Hrs	0.00
	Detours/Terrain.		W / on Spread.	Total Extra(Job).Hrs	0.00
	Experimental...		Stock Damage	Processing Hrs.....	
	Camp move		Vibes.....		
	Wait on Spread.				
	Weather Time...				
	Stock Damage..				
	Safety Meeting..				
		Total Down Time.....	0.00	Total Day.....Hrs	0.00
		Cum. Down Time (Job)	0.00	Total Hrs (Job).....	0.00

COMMENTS:

SURVEY					
Line No.....	03GA-OD1	STN.. 1000	STN.. 1375	Kms. 15.000	
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	Total Kms..... 15.000
Line No.....		STN..	STN..	Kms.	Cum. Kms. (Job)..... 15.000

GRAVITY					
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	Total Kms..... 0.000
Line No.....		STN..	STN..	Kms.	Cum. Kms. (Job)..... 0.000

RANGING					
COMMENTS :					
Line No.....		Kms			
Line No.....		Kms			
Line No.....		Kms			
Line No.....		Kms			
				Total Kms.....	0.000
				Cum. Kms. (Job).....	0.00

LINE CLEAR					
Dozer	1 Line No.....		Kms. Cut.....	Hrs.	Total Kms..... 0.000
Dozer	2 Line No.....		Kms. Cut.....	Hrs.	Cum. Kms. (Job)..... 0.000
Dozer	3 Line No.....		Kms. Cut.....	Hrs.	Total Hours..... 0.00
Grader	1 Line No.....		Kms.Graded....	Hrs.	Total Hrs (Job)..... 0.00

DRILLING				PRE LOADING			
Rig No.	1	# Mtr	#Holes	Hrs	1	# Holes	# Dets
Rig No.	2	# Mtr	#Holes	Hrs	2	# Holes	# Dets
Rig No.	3	# Mtr	#Holes	Hrs	3	# Holes	# Dets
Rig No.	4	# Mtr	#Holes	Hrs	4	# Holes	# Dets
Rig No.	5	# Mtr	#Holes	Hrs	5	# Holes	# Dets
Rig No.	6	# Mtr	#Holes	Hrs	6	# Holes	# Dets
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)

COMMENT

TRACE ENERGY SERVICES **DAILY PRODUCTION REPORT**

CREW 401

DATE..... 17-Jul-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Fine

RECORDING	Kms.	SKIPS	PROFILES	TOTALS
Line No..... Rec Rec			Profiles.....	0
Line No..... Rec Rec			Skips.....	0
Line No..... Rec Rec			Kms.....	0.000
Line No..... Rec Rec			Cum Kms..	0.000

HOURS	Travel Time.....	Down Time -	Extra Charges	
	Test Time.....	Recorder.....	Extra Hrs.....	0.00
	Recording Time...	Cables.....	Detours Charge Hrs	0.00
Other Time	Line Change....	ATU's.....	Washdowns.....Hrs	0.00
	Recorder Move..	Detours/Terr...	Extra Other Charge..	0.00
	Detours/Terrain.	W / on Spread.	Total Extra.....Hrs	0.00
	Experimental...	Stock Damage	Total Extra(Job).Hrs	0.00
	Other Charge...	Vibes	Processing Hrs.....	
	Lay Spread			
	Weather Time...			
	Stock Damage..	Total Down Time.....	Total Day.....Hrs	0.00
	Safety Induction	Cum. Down Time (Job)	Total Hrs (Job).....	0.00

COMMENTS:

SURVEY

Line No.....	03GA-OD1	STN..	1375	STN..	1750	Kms.	15.000		
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.		Total Kms.....	15.000
Line No.....		STN..		STN..		Kms.		Cum. Kms. (Job).....	30.000

GRAVITY

Line No.....	STN..	STN..	Kms.		
Line No.....	STN..	STN..	Kms.		
Line No.....	STN..	STN..	Kms.		
Line No.....	STN..	STN..	Kms.		
Line No.....	STN..	STN..	Kms.	Total Kms.....	0.000
				Cum. Kms. (Job).....	0.000

RANGING

COMMENTS :

Line No.....	Kms			
Line No.....	Kms			
Line No.....	Kms			
Line No.....	Kms			
			Total Kms.....	0.000
			Cum. Kms. (Job).....	0.00

LINE CLEAR

Dozer	1 Line No.....	Kms. Cut.....	Hrs.	Total Kms.....	0.000
Dozer	2 Line No.....	Kms. Cut.....	Hrs.	Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....	Kms. Cut.....	Hrs.	Total Hours.....	0.00
Grader	1 Line No.....	Kms.Graded....	Hrs.	Total Hrs (Job).....	0.00

DRILLING

DRILLING	PRE LOADING	Elect Dets	
Rig No. 1 # Mtr #Holes Hrs	1 # Holes # Dets	# Charges	
Rig No. 2 # Mtr #Holes Hrs	2 # Holes # Dets	# Charges	
Rig No. 3 # Mtr #Holes Hrs	3 # Holes # Dets	# Charges	
Rig No. 4 # Mtr #Holes Hrs	4 # Holes # Dets	# Charges	
Rig No. 5 # Mtr #Holes Hrs	5 # Holes # Dets	# Charges	
Rig No. 6 # Mtr #Holes Hrs	6 # Holes # Dets	# Charges	
Total # Mtr.....	0.0 Cum # Mtr(Job).....	0.0 Total # Holes.....	0 Cum #Holes(Job)
Total Drilled.....	0.0 Cum Drilled(Job)..	0.0 Total Dets.....	0 Cum Dets(Job)
Total Hrs.....	0.0 Total # Hrs(Job).....	0.0 Total Charges	0 Total # Charges(Job)

COMMENT

TRACE ENERGY SERVICES **DAILY PRODUCTION REPORT**

CREW 401		DATE..... 18-Jul-03	
Client.....	ANSIR	Party Manager.	Bob Stephenson
Survey Name.	Gawler	Client Rep.....	David Johnston
Area.....	Roxby Downs	Weather.....	Fine
State.....	South Australia		

RECORDING	Kms.	SKIPS	PROFILES	TOTALS
Line No.....	Rec	Rec	Profiles.....	0
Line No.....	Rec	Rec	Skips.....	0
Line No.....	Rec	Rec	Kms.....	0.000
Line No.....	Rec	Rec	Cum Kms..	0.000

HOURS	Travel Time.....	Down Time -	Extra Charges	
	Test Time.....	Recorder.....	Extra Hrs.....	0.00
	Recording Time...	Cables.....	Detours Charge Hrs	0.00
Other Time	Line Change.....	ATU's.....	Washdowns.....Hrs	0.00
	Recorder Move..	Detours/Terr...	Extra Other Charge..	0.00
	Detours/Terrain.	W / on Spread.	Total Extra.....Hrs	0.00
	Experimental...	Stock Damage	Total Extra(Job).Hrs	0.00
	QC spread	Other.....	Processing Hrs.....	
	Pick up Spread			
	Weather Time...			
	Stock Damage..	Total Down Time.....	Total Day.....Hrs	0.00
	Safety Meeting..	Cum. Down Time (Job)	Total Hrs (Job).....	0.00

COMMENTS:

SURVEY

Line No.....	03GA-OD1	STN..	1750	STN..	2250	Kms.	20.000	
Line No.....		STN..		STN..		Kms.		
Line No.....		STN..		STN..		Kms.		
Line No.....		STN..		STN..		Kms.		Total Kms..... 20.000
Line No.....		STN..		STN..		Kms.		Cum. Kms. (Job)..... 50.000

GRAVITY

Line No.....	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	Total Kms..... 0.000
Line No.....	STN..	STN..	Kms.	Cum. Kms. (Job)..... 0.000

RANGING

COMMENTS :

Line No.....	Kms	
Line No.....	Kms	
Line No.....	Kms	Total Kms..... 0.000
Line No.....	Kms	Cum. Kms. (Job)..... 0.00

LINE CLEAR

Dozer	1 Line No.....	Kms. Cut.....	Hrs.	Total Kms.....	0.000
Dozer	2 Line No.....	Kms. Cut.....	Hrs.	Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....	Kms. Cut.....	Hrs.	Total Hours.....	0.00
Grader	1 Line No.....	Kms.Graded....	Hrs.	Total Hrs (Job).....	0.00

DRILLING

Rig No.	1	# Mtr	#Holes	Hrs	PRE LOADING	# Dets	# Charges
Rig No.	2	# Mtr	#Holes	Hrs	1 # Holes	# Dets	# Charges
Rig No.	3	# Mtr	#Holes	Hrs	2 # Holes	# Dets	# Charges
Rig No.	4	# Mtr	#Holes	Hrs	3 # Holes	# Dets	# Charges
Rig No.	5	# Mtr	#Holes	Hrs	4 # Holes	# Dets	# Charges
Rig No.	6	# Mtr	#Holes	Hrs	5 # Holes	# Dets	# Charges
					6 # Holes	# Dets	# Charges
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)

COMMENT

TRACE ENERGY SERVICES DAILY PRODUCTION REPORT

CREW 401

DATE..... 19-Jul-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Fine

RECORDING	Kms.	SKIPS	PROFILES	TOTALS
Line No.....	Rec	Rec	Profiles.....	0
Line No.....	Rec	Rec	Skips.....	0
Line No.....	Rec	Rec	Kms.....	0.000
Line No.....	Rec	Rec	Cum Kms..	0.000

HOURS	Travel Time.....	Down Time -	Extra Charges	
	Test Time.....	Recorder.....	Extra Hrs.....	0.00
	Recording Time...	Cables.....	Detours Charge Hrs	0.00
Other Time	Line Change.....	ATU's.....	Washdowns.....Hrs	0.00
	Recorder Move..	Detours/Terr...	Extra Other Charge..	0.00
	Detours/Terrain.	W / on Spread.	Total Extra.....Hrs	0.00
	Experimental...	Stock Damage	Total Extra(Job).Hrs	0.00
	Other Charge...	Other.....	Processing Hrs.....	
	Wait on Spread.			
	Weather Time...			
	Stock Damage..	Total Down Time.....	Total Day.....Hrs	0.00
	Safety Meeting..	Cum. Down Time (Job)	Total Hrs (Job).....	0.00

COMMENTS:

SURVEY

Line No.....	03GA-OD1	STN..	2250	STN..	2750	Kms.	20.000		
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.		Total Kms.....	20.000
Line No.....		STN..		STN..		Kms.		Cum. Kms. (Job).....	70.000

GRAVITY

Line No.....	STN..	STN..	Kms.		
Line No.....	STN..	STN..	Kms.		
Line No.....	STN..	STN..	Kms.		
Line No.....	STN..	STN..	Kms.	Total Kms.....	0.000
Line No.....	STN..	STN..	Kms.	Cum. Kms. (Job).....	0.000

RANGING

COMMENTS :

Line No.....	Kms		
Line No.....	Kms		
Line No.....	Kms	Total Kms.....	0.000
Line No.....	Kms	Cum. Kms. (Job).....	0.00

LINE CLEAR

Dozer	1 Line No.....	Kms. Cut.....	Hrs.	Total Kms.....	0.000
Dozer	2 Line No.....	Kms. Cut.....	Hrs.	Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....	Kms. Cut.....	Hrs.	Total Hours.....	0.00
Grader	1 Line No.....	Kms.Graded....	Hrs.	Total Hrs (Job).....	0.00

DRILLING

DRILLING	PRE LOADING	Elect Dets	
Rig No. 1 # Mtr #Holes Hrs	1 # Holes # Dets # Charges		
Rig No. 2 # Mtr #Holes Hrs	2 # Holes # Dets # Charges		
Rig No. 3 # Mtr #Holes Hrs	3 # Holes # Dets # Charges		
Rig No. 4 # Mtr #Holes Hrs	4 # Holes # Dets # Charges		
Rig No. 5 # Mtr #Holes Hrs	5 # Holes # Dets # Charges		
Rig No. 6 # Mtr #Holes Hrs	6 # Holes # Dets # Charges		
Total # Mtr.....	0.0 Cum # Mtr(Job).....	0.0	Total # Holes.....
Total Drilled.....	0.0 Cum Drilled(Job)..	0.0	Total Dets.....
Total Hrs.....	0.0 Total # Hrs(Job).....	0.0	Total Charges

COMMENT

TRACE ENERGY SERVICES **DAILY PRODUCTION REPORT**

CREW 401

DATE..... 20-Jul-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Fine

RECORDING	Kms.	SKIPS	PROFILES	TOTALS
Line No.....	Rec	Rec	Profiles.....	0
Line No.....	Rec	Rec	Skips.....	0
Line No.....	Rec	Rec	Kms.....	0.000
Line No.....	Rec	Rec	Cum Kms..	0.000

HOURS	Travel Time.....	Down Time -	Extra Charges	
	Test Time.....	Recorder.....	Extra Hrs.....	0.00
	Recording Time...	Cables.....	Detours Charge Hrs	0.00
Other Time	Line Change.....	ATU's.....	Washdowns.....Hrs	0.00
	Recorder Move..	Detours/Terr...	Extra Other Charge..	0.00
	Detours/Terrain.	W / on Spread.	Total Extra.....Hrs	0.00
	Experimental...	Stock Damage	Total Extra(Job).Hrs	0.00
	Download Exabyte	Other.....	Processing Hrs.....	
	Wait on Spread.			
	Weather Time...			
	Stock Damage..	Total Down Time.....	Total Day.....Hrs	0.00
	Safety Meeting..	Cum. Down Time (Job)	Total Hrs (Job).....	0.00

COMMENTS: Trace Energy Services crew arrived at Roxby Downs, after mobilizing from Millicent in South Australia.

SURVEY	03GA-OD1	STN..	2750	STN..	3250	Kms.	20.000		
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.		Total Kms.....	20.000
Line No.....		STN..		STN..		Kms.		Cum. Kms. (Job).....	90.000

GRAVITY	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	Total Kms..... 0.000
Line No.....	STN..	STN..	Kms.	Cum. Kms. (Job)..... 0.000

RANGING	COMMENTS :	
Line No.....	Kms	
Line No.....	Kms	
Line No.....	Kms	Total Kms..... 0.000
Line No.....	Kms	Cum. Kms. (Job)..... 0.00

LINE CLEAR	1 Line No.....	Kms. Cut.....	Hrs.	Total Kms.....	0.000
Dozer	2 Line No.....	Kms. Cut.....	Hrs.	Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....	Kms. Cut.....	Hrs.	Total Hours.....	0.00
Grader	1 Line No.....	Kms.Graded....	Hrs.	Total Hrs (Job).....	0.00

DRILLING	PRE LOADING	Elect Dets	
Rig No. 1 # Mtr #Holes Hrs	1 # Holes # Dets # Charges		
Rig No. 2 # Mtr #Holes Hrs	2 # Holes # Dets # Charges		
Rig No. 3 # Mtr #Holes Hrs	3 # Holes # Dets # Charges		
Rig No. 4 # Mtr #Holes Hrs	4 # Holes # Dets # Charges		
Rig No. 5 # Mtr #Holes Hrs	5 # Holes # Dets # Charges		
Rig No. 6 # Mtr #Holes Hrs	6 # Holes # Dets # Charges		
Total # Mtr..... 0.0 Cum # Mtr(Job).....	0.0 Total # Holes..... 0	Cum #Holes(Job)	0
Total Drilled..... 0.0 Cum Drilled(Job)..	0.0 Total Dets..... 0	Cum Dets(Job)	0
Total Hrs..... 0.0 Total # Hrs(Job).....	0.0 Total Charges	0	Total # Charges(Job) 0

COMMENT

TRACE ENERGY SERVICES **DAILY PRODUCTION REPORT**

CREW 401

DATE..... 21-Jul-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Windy

RECORDING				Kms.	SKIPS	PROFILES	TOTALS
Line No.....	03GA-OD1	Rec	Rec			Profiles.....	0
Line No.....		Rec	Rec			Skips.....	0
Line No.....		Rec	Rec			Kms.....	0.000
Line No.....		Rec	Rec			Cum Kms..	0.000

HOURS	Travel Time.....	3.00	Down Time -	Extra Charges	
	Test Time.....		Recorder.....	Extra Hrs.....	0.00
	Recording Time...		Cables.....	Detours Charge Hrs	0.00
Other Time	Line Change.....		ATU's.....	Washdowns.....Hrs	0.00
	Recorder Move..		Detours/Terr...	Extra Other Charge..	0.00
	Detours/Terrain.		W / on Spread.	Total Extra.....Hrs	0.00
	Experimental...		Stock Damage	Total Extra(Job).Hrs	0.00
	Laying & QC Spread	5.00	Vibes	Processing Hrs.....	
	Loading Spread	2.75			
	Weather Time...				
	Stock Damage..		Total Down Time.....	0.00	Total Day.....Hrs 11.25
	Safety Meeting..	0.50	Cum. Down Time (Job)	0.00	Total Hrs (Job)..... 11.25

COMMENTS: Start up meeting first thing in the morning, load acquisition equipment on to vehicles. Drive to the north end of line 03GA-OD1 and commence laying spread and QC same. Vib drive to the field. Crew drive 110km back to town. Front crew laid line 03GA-OD1 stn 1000 - 1340, Total 340 stns.

SURVEY				Kms.	
Line No.....	STN..	STN..		Kms.	
Line No.....	STN..	STN..		Kms.	
Line No.....	STN..	STN..		Kms.	
Line No.....	STN..	STN..		Kms.	Total Kms..... 0.000
Line No.....	STN..	STN..		Kms.	Cum. Kms. (Job)..... 90.000

GRAVITY				Kms.	
Line No.....	03GA-OD1	STN.. 1000	STN.. 1360	Kms. 14.400	
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	Total Kms..... 14.400
Line No.....		STN..	STN..	Kms.	Cum. Kms. (Job)..... 14.400

RANGING				COMMENTS :	
Line No.....		Kms			
Line No.....		Kms			
Line No.....		Kms			Total Kms..... 0.000
Line No.....		Kms			Cum. Kms. (Job)..... 0.00

LINE CLEAR					
Dozer	1 Line No.....	Kms. Cut.....	Hrs.	Total Kms.....	0.000
Dozer	2 Line No.....	Kms. Cut.....	Hrs.	Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....	Kms. Cut.....	Hrs.	Total Hours.....	0.00
Grader	1 Line No.....	Kms.Graded....	Hrs.	Total Hrs (Job).....	0.00

DRILLING				PRE LOADING			
Rig No.	1	# Mtr	#Holes	Hrs	1	# Holes	# Dets
Rig No.	2	# Mtr	#Holes	Hrs	2	# Holes	# Dets
Rig No.	3	# Mtr	#Holes	Hrs	3	# Holes	# Dets
Rig No.	4	# Mtr	#Holes	Hrs	4	# Holes	# Dets
Rig No.	5	# Mtr	#Holes	Hrs	5	# Holes	# Dets
Rig No.	6	# Mtr	#Holes	Hrs	6	# Holes	# Dets
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)

COMMENT No surveying today survey crew running gravity. Survey crew want to stay ahead of recording crew on gravity so recording crew can remove all survey pegs from line as they progress.

TRACE ENERGY SERVICES **DAILY PRODUCTION REPORT**

CREW 401		DATE..... 22-Jul-03	
Client.....	ANSIR	Party Manager.	Bob Stephenson
Survey Name.	Gawler	Client Rep.....	David Johnston
Area.....	Roxby Downs	Weather.....	Windy
State.....	South Australia		

RECORDING				Kms.	SKIPS	PROFILES	TOTALS
Line No.....	03GA-OD1	Rec	1000.0	Rec	1110.0	4.400	0
Line No.....		Rec		Rec			111
Line No.....		Rec		Rec			Profiles.....
Line No.....		Rec		Rec			Skips.....
Line No.....		Rec		Rec			Kms.....
Line No.....		Rec		Rec			Cum Kms..
							4.400

HOURS		Travel Time.....	3.00	Down Time -	Extra Charges
		Test Time.....		Recorder.....	Extra Hrs.....
		Recording Time...	1.90	Cables.....	Detours Charge Hrs
Other Time		Line Change.....		ATU's.....	Washdowns.....Hrs
		Recorder Move..		Detours/Terr...	Extra Other Charge..
		Detours/Terrain.		W / on Spread.	Total Extra.....Hrs
		Experimental...	3.10	Stock Damage	Total Extra(Job).Hrs
		QC Spread.....	1.75	Vibes	Processing Hrs.....
		Wait on Spread.			
		Vibs Move to start	0.70		
		Dump Data to Disk	0.80	Total Down Time.....	0.00
		Safety Meeting..	0.50	Cum. Down Time (Job)	0.00
				Total Day.....Hrs	11.75
				Total Hrs (Job).....	23.00

COMMENTS: Safety Meeting at start of day attended by three WMC personnel, Completed experimental and commenced to record acquisition on line 03GA-OD1 from stn 1000.
Front crew Line 03GA-OD1 stn 1340 - 1372, Total 32 stn.

SURVEY				Kms.	Total Kms.....	0.000
Line No.....	STN..	STN..		Kms.		
Line No.....	STN..	STN..		Kms.		
Line No.....	STN..	STN..		Kms.		
Line No.....	STN..	STN..		Kms.		
Line No.....	STN..	STN..		Kms.		
					Cum. Kms. (Job).....	90.000

GRAVITY				Kms.	22.400	Total Kms.....	22.400
Line No.....	03GA-OD1	STN..	1360	STN..	1920	Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
							Cum. Kms. (Job).....
							36.800

RANGING				Kms	Total Kms.....	0.000
Line No.....		Kms		Kms.		
Line No.....		Kms		Kms.		
Line No.....		Kms		Kms.		
Line No.....		Kms		Kms.		
					Cum. Kms. (Job).....	0.00

LINE CLEAR				Kms. Cut.....	Hrs.	Total Kms.....	0.000
Dozer	1 Line No.....			Kms. Cut.....	Hrs.	Cum. Kms. (Job).....	0.000
Dozer	2 Line No.....			Kms. Cut.....	Hrs.	Total Hours.....	0.00
Dozer	3 Line No.....			Kms. Cut.....	Hrs.	Total Hrs (Job).....	0.00
Grader	1 Line No.....			Kms.Graded....	Hrs.		

DRILLING				Hrs	Total # Holes.....	0	Cum #Holes(Job)	0
Rig No.	1	# Mtr	#Holes	Hrs	1	# Holes	# Dets	# Charges
Rig No.	2	# Mtr	#Holes	Hrs	2	# Holes	# Dets	# Charges
Rig No.	3	# Mtr	#Holes	Hrs	3	# Holes	# Dets	# Charges
Rig No.	4	# Mtr	#Holes	Hrs	4	# Holes	# Dets	# Charges
Rig No.	5	# Mtr	#Holes	Hrs	5	# Holes	# Dets	# Charges
Rig No.	6	# Mtr	#Holes	Hrs	6	# Holes	# Dets	# Charges
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)	0
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)	0
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)	0

COMMENT

TRACE ENERGY SERVICES DAILY PRODUCTION REPORT
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COMMENT	Gravity only was run again today.
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TRACE ENERGY SERVICES **DAILY PRODUCTION REPORT**

CREW 401		DATE..... 24-Jul-03	
Client.....	ANSIR	Party Manager.	Bob Stephenson
Survey Name.	Gawler	Client Rep.....	David Johnston
Area.....	Roxby Downs	Weather.....	Fine
State.....	South Australia		

RECORDING				Kms.	SKIPS	PROFILES		TOTALS
Line No.....	03GA-OD1	Rec	1516.0	Rec	1960.0	17.760	3	220
Line No.....		Rec		Rec				Profiles..... 220
Line No.....		Rec		Rec				Skips..... 3
Line No.....		Rec		Rec				Kms..... 17.760
Line No.....		Rec		Rec				Cum Kms.. 38.400

HOURS	Travel Time.....	2.30	Down Time -	Extra Charges	
	Test Time.....		Recorder.....	Extra Hrs.....	0.00
	Recording Time...	6.90	Cables.....	Detours Charge Hrs	0.00
Other Time	Line Change.....		ATU's.....	Washdowns.....Hrs	0.00
	Recorder Move..	0.70	Detours/Terr...	Extra Other Charge..	0.00
	Detours/Terrain.		W / on Spread.	Total Extra.....Hrs	0.00
	Experimental...		Stock Damage	Total Extra(Job).Hrs	0.00
	QC Spread	0.80	Other.....	Processing Hrs.....	0.00
	Wait on Spread.				
	Weather Time...				
	DumpTapes	0.30	Total Down Time.....	0.00	Total Day.....Hrs 11.30
	Safety Meeting..	0.30	Cum. Down Time (Job)	0.00	Total Hrs (Job)..... 46.10

COMMENTS: **Excelent days production, travel time slowly getting shorter as we move closer to town.**
Front crew stn 1707 to 2175, Total 468 stn
Back crew stn 1380 to 1825, Total 445 stn

SURVEY				Kms.	Ran and observed control.
Line No.....	03GA-OD1	STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	Total Kms..... 0.000
Line No.....		STN..	STN..	Kms.	Cum. Kms. (Job)..... 90.000

GRAVITY				Kms.	
Line No.....	03GA-OD1	STN..	2520	STN.. 3140	Kms. 24.800
Line No.....		STN..		STN..	Kms.
Line No.....		STN..		STN..	Kms.
Line No.....		STN..		STN..	Kms.
Line No.....		STN..		STN..	Kms.
					Total Kms..... 24.800
					Cum. Kms. (Job)..... 85.600

RANGING		COMMENTS :	
Line No.....	Kms		
Line No.....	Kms		
Line No.....	Kms		
Line No.....	Kms		
		Total Kms.....	0.000
		Cum. Kms. (Job).....	0.00

LINE CLEAR					
Dozer	1 Line No.....	Kms. Cut.....	Hrs.	Total Kms.....	0.000
Dozer	2 Line No.....	Kms. Cut.....	Hrs.	Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....	Kms. Cut.....	Hrs.	Total Hours.....	0.00
Grader	1 Line No.....	Kms.Graded....	Hrs.	Total Hrs (Job).....	0.00

DRILLING					PRE LOADING			
Rig No.	1	# Mtr	#Holes	Hrs	1	# Holes	# Dets	# Charges
Rig No.	2	# Mtr	#Holes	Hrs	2	# Holes	# Dets	# Charges
Rig No.	3	# Mtr	#Holes	Hrs	3	# Holes	# Dets	# Charges
Rig No.	4	# Mtr	#Holes	Hrs	4	# Holes	# Dets	# Charges
Rig No.	5	# Mtr	#Holes	Hrs	5	# Holes	# Dets	# Charges
Rig No.	6	# Mtr	#Holes	Hrs	6	# Holes	# Dets	# Charges
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)	0
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)	0
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)	0

COMMENT

TRACE ENERGY SERVICES **DAILY PRODUCTION REPORT**

CREW 401

DATE..... 25-Jul-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Light Rain

RECORDING					Kms.	SKIPS	PROFILES		TOTALS
Line No.....	03GA-OD1	Rec	1960.0	Rec	2392.0	17.280	0	216	Profiles..... 216
Line No.....		Rec		Rec					Skips..... 0
Line No.....		Rec		Rec					Kms..... 17.280
Line No.....		Rec		Rec					Cum Kms.. 55.680

HOURS	Travel Time.....	2.00	Down Time -	Extra Charges	
	Test Time.....		Recorder.....	Extra Hrs.....	0.00
	Recording Time...	6.80	Cables.....	Detours Charge Hrs	0.00
Other Time	Line Change.....		ATU's.....	Washdowns.....Hrs	0.00
	Recorder Move..	0.60	Detours/Terr...	Extra Other Charge..	0.00
	Detours/Terrain.		W / on Spread.	Total Extra.....Hrs	0.00
	Experimental...		Stock Damage	Total Extra(Job).Hrs	0.00
	QC Spread	0.50	Other.....	Processing Hrs.....	0.00
	Wait on Spread.				
	Vib Hydraulics	0.30			
	Stock Damage..	0.50	Total Down Time.....	0.00	Total Day.....Hrs 11.00
	Safety Meeting..	0.30	Cum. Down Time (Job)	0.00	Total Hrs (Job)..... 57.10

COMMENTS: Excelent days production, light rain fell on the spread, one cable chewed by dingo, vib hydraulic problem repaired.
Front crew stn 2176 to stn 2551, total 375 stn.
Back crew stn 1826 to stn 2256, total 430 stn.

SURVEY								
Line No.....	03GA-OD1	STN..	3250	STN..	3750	Kms.	20.000	
Line No.....		STN..		STN..		Kms.		
Line No.....		STN..		STN..		Kms.		
Line No.....		STN..		STN..		Kms.		Total Kms..... 20.000
Line No.....		STN..		STN..		Kms.		Cum. Kms. (Job)..... 110.000

GRAVITY								
Line No.....	03GA-OD1	STN..	3140	STN..	3190	Kms.	2.000	
Line No.....		STN..		STN..		Kms.		
Line No.....		STN..		STN..		Kms.		
Line No.....		STN..		STN..		Kms.		Total Kms..... 2.000
Line No.....		STN..		STN..		Kms.		Cum. Kms. (Job)..... 87.600

RANGING								
Line No.....		Kms						
Line No.....		Kms						
Line No.....		Kms						Total Kms..... 0.000
Line No.....		Kms						Cum. Kms. (Job)..... 0.00

LINE CLEAR		Survey crew had problems with gravity meter.						
Dozer	1 Line No.....			Kms. Cut.....	Hrs.		Total Kms.....	0.000
Dozer	2 Line No.....			Kms. Cut.....	Hrs.		Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....			Kms. Cut.....	Hrs.		Total Hours.....	0.00
Grader	1 Line No.....			Kms.Graded....	Hrs.		Total Hrs (Job).....	0.00

DRILLING					PRE LOADING				
Rig No.	1	# Mtr	#Holes	Hrs	1	# Holes	# Dets	# Charges	
Rig No.	2	# Mtr	#Holes	Hrs	2	# Holes	# Dets	# Charges	
Rig No.	3	# Mtr	#Holes	Hrs	3	# Holes	# Dets	# Charges	
Rig No.	4	# Mtr	#Holes	Hrs	4	# Holes	# Dets	# Charges	
Rig No.	5	# Mtr	#Holes	Hrs	5	# Holes	# Dets	# Charges	
Rig No.	6	# Mtr	#Holes	Hrs	6	# Holes	# Dets	# Charges	
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)	0	
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)	0	
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)	0	

COMMENT

TRACE ENERGY SERVICES DAILY PRODUCTION REPORT

CREW 401

DATE..... 26-Jul-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Fine

RECORDING					Kms.	SKIPS	PROFILES		TOTALS
Line No.....	03GA-OD1	Rec	2393.0	Rec	2844.0	18.080	0	226	Profiles..... 226
Line No.....		Rec		Rec					Skips..... 0
Line No.....		Rec		Rec					Kms..... 18.080
Line No.....		Rec		Rec					Cum Kms.. 73.760
Line No.....		Rec		Rec					

HOURS	Travel Time.....	1.70	Down Time -	Extra Charges	
	Test Time.....		Recorder.....	Extra Hrs.....	0.00
	Recording Time...	7.00	Cables.....	Detours Charge Hrs	0.00
Other Time	Line Change....		ATU's.....	Washdowns.....Hrs	0.00
	Recorder Move..	0.90	Detours/Terr...	Extra Other Charge..	0.00
	Detours/Terrain.		W / on Spread.	Total Extra.....Hrs	0.00
	Experimental...		Stock Damage	Total Extra(Job).Hrs	0.00
	Other		Other.....	Processing Hrs.....	0.00
	QC Spread	1.10			
	Weather Time...				
	Stock Damage..		Total Down Time.....	0.00	Total Day.....Hrs 11.00
	Safety Meeting..	0.30	Cum. Down Time (Job)	0.00	Total Hrs (Job)..... 68.10

COMMENTS: Excelent days production, changed out one cable chewed by dingo. Travel time decreasing daily.
Front crew stn 2552 to stn 3067
Back crew stn 2257 to stn 2718

SURVEY									
Line No.....	03GA-OD1	STN..	STN..	Kms.					
Line No.....		STN..	STN..	Kms.					
Line No.....		STN..	STN..	Kms.					
Line No.....		STN..	STN..	Kms.				Total Kms.....	0.000
Line No.....		STN..	STN..	Kms.				Cum. Kms. (Job).....	110.000

GRAVITY									
Line No.....	03GA-OD1	STN..	3190	STN..	3750	Kms.	22.400		
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.		Total Kms.....	22.400
Line No.....		STN..		STN..		Kms.		Cum. Kms. (Job).....	110.000

RANGING									
Line No.....		Kms							
Line No.....		Kms							
Line No.....		Kms						Total Kms.....	0.000
Line No.....		Kms						Cum. Kms. (Job).....	0.00

LINE CLEAR									
Dozer	1 Line No.....		Kms. Cut.....	Hrs.				Total Kms.....	0.000
Dozer	2 Line No.....		Kms. Cut.....	Hrs.				Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....		Kms. Cut.....	Hrs.				Total Hours.....	0.00
Grader	1 Line No.....		Kms.Grased....	Hrs.				Total Hrs (Job).....	0.00

DRILLING						PRE LOADING			
Rig No.	1	# Mtr	#Holes	Hrs		1	# Holes	# Dets	# Charges
Rig No.	2	# Mtr	#Holes	Hrs		2	# Holes	# Dets	# Charges
Rig No.	3	# Mtr	#Holes	Hrs		3	# Holes	# Dets	# Charges
Rig No.	4	# Mtr	#Holes	Hrs		4	# Holes	# Dets	# Charges
Rig No.	5	# Mtr	#Holes	Hrs		5	# Holes	# Dets	# Charges
Rig No.	6	# Mtr	#Holes	Hrs		6	# Holes	# Dets	# Charges
Total # Mtr.....			0.0 Cum # Mtr(Job).....		0.0	Total # Holes.....	0	Cum #Holes(Job)	0
Total Drilled.....			0.0 Cum Drilled(Job)..		0.0	Total Dets.....	0	Cum Dets(Job)	0
Total Hrs.....			0.0 Total # Hrs(Job).....		0.0	Total Charges	0	Total # Charges(Job)	0

COMMENT Gravity has now caught up with survey. Tomorrow survey, chaining and gravity will be conducted as one unit.

TRACE ENERGY SERVICES DAILY PRODUCTION REPORT

CREW 401

DATE..... 27-Jul-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Windy

RECORDING				Kms.		SKIPS	PROFILES	TOTALS	
Line No.....	03GA-OD1	Rec	2844.0	Rec	3364.0	20.800	0	260	Profiles..... 260
Line No.....		Rec		Rec					Skips..... 0
Line No.....		Rec		Rec					Kms..... 20.800
Line No.....		Rec		Rec					Cum Kms.. 94.560

HOURS		Travel Time.....		1.30	Down Time -		Extra Charges	
		Test Time.....			Recorder.....		Extra Hrs.....	
		Recording Time...		8.00	Cables.....		Detours Charge Hrs	
Other Time	Line Change.....				ATU's.....		Washdowns.....Hrs	
	Recorder Move..		0.50		Detours/Terr...		Extra Other Charge..	
	Detours/Terrain.				W / on Spread.		Total Extra.....Hrs	
	Experimental...				Stock Damage		Total Extra(Job).Hrs	
	Other Charge...				Other.....		Processing Hrs.....	
	QC Spread		0.90					
	Weather Time...							
	Stock Damage..							
		Safety Meeting..		0.30	Total Down Time.....		0.00	Total Day.....Hrs 11.00
					Cum. Down Time (Job)		0.00	Total Hrs (Job)..... 79.10

COMMENTS: Excelent days production, visit by local news paper to warn locals of our operation.
Front crew stn 3068 to stn 3567, Total 499 stns.
Back Crew stn 2719 to stn 3240, Total 521 stns.

SURVEY				Kms.			
Line No.....	03GA-OD1	STN..	3750	STN..	4250	Kms.	20.000
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
						Total Kms.....	20.000
						Cum. Kms. (Job).....	130.000

CHAINING				Kms.			
Line No.....	03GA-OD1	STN..	3750	STN..	4120	Kms.	14.800
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
						Total Kms.....	14.800
						Cum. Kms. (Job).....	124.800

RANGING				Kms			
Line No.....				Kms			
Line No.....				Kms			
Line No.....				Kms			
Line No.....				Kms			
						Total Kms.....	0.000
						Cum. Kms. (Job).....	0.00

LINE CLEAR				Kms. Cut.....		Hrs.	Total Kms.....
Dozer	1 Line No.....			Kms. Cut.....		Hrs.	0.000
Dozer	2 Line No.....			Kms. Cut.....		Hrs.	0.000
Dozer	3 Line No.....			Kms. Cut.....		Hrs.	0.00
Grader	1 Line No.....			Kms.Graded....		Hrs.	0.00

DRILLING				Kms.		Hrs.	PRE LOADING		Elect Dets	
Rig No.	1	# Mtr	#Holes	Hrs			1	# Holes	# Dets	# Charges
Rig No.	2	# Mtr	#Holes	Hrs			2	# Holes	# Dets	# Charges
Rig No.	3	# Mtr	#Holes	Hrs			3	# Holes	# Dets	# Charges
Rig No.	4	# Mtr	#Holes	Hrs			4	# Holes	# Dets	# Charges
Rig No.	5	# Mtr	#Holes	Hrs			5	# Holes	# Dets	# Charges
Rig No.	6	# Mtr	#Holes	Hrs			6	# Holes	# Dets	# Charges
Total # Mtr.....				0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....			
Total Drilled.....				0.0	Cum Drilled(Job)..	0.0	Total Dets.....			
Total Hrs.....				0.0	Total # Hrs(Job).....	0.0	Total Charges			

COMMENT

TRACE ENERGY SERVICES DAILY PRODUCTION REPORT

CREW 401

DATE..... 28-Jul-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Fine

RECORDING				Kms.		SKIPS	PROFILES	TOTALS		
Line No.....	03GA-OD1	Rec	3364.0	Rec	3862.0	19.920	0	256	Profiles.....	256
Line No.....		Rec		Rec					Skips.....	0
Line No.....		Rec		Rec					Kms.....	19.920
Line No.....		Rec		Rec					Cum Kms..	114.480
Line No.....		Rec		Rec						
HOURS										
	Travel Time.....		0.90		Down Time -				Extra Charges	
	Test Time.....								Extra Hrs....	0.00
	Recording Time...		7.70						Detours Charge Hrs	0.00
Other Time	Line Change.....								Washdowns.....Hrs	0.00
	Recorder Move..		1.30						Extra Other Charge..	0.00
	Detours/Terrain.								Total Extra.....Hrs	0.00
	Experimental...								Total Extra(Job).Hrs	0.00
	QC Spread		0.80						Processing Hrs.....	0.00
	Wait on Spread.									
	Weather Time...									
	Stock Damage..									
	Safety Meeting..		0.30							
					Total Down Time.....		0.00	Total Day.....Hrs		11.00
					Cum. Down Time (Job)		0.00	Total Hrs (Job).....		90.10

COMMENTS:

Front crew stn 3568 to 4095, Total 527 stn.
Back Crew stn 3241 to 3730, Total 489 stn.

SURVEY

Line No.....	03GA-OD1	STN..	4250	STN..	4825	Kms.	23.000		
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.		Total Kms.....	23.000
Line No.....		STN..		STN..		Kms.		Cum. Kms. (Job).....	153.000

GRAVITY

Line No.....	03GA-OD1	STN..	4120	STN..	4630	Kms.	20.400		
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.		Total Kms.....	20.400
Line No.....		STN..		STN..		Kms.		Cum. Kms. (Job).....	145.200

RANGING

COMMENTS :

Line No.....	Kms								
Line No.....	Kms								
Line No.....	Kms							Total Kms.....	0.000
Line No.....	Kms							Cum. Kms. (Job).....	0.00

LINE CLEAR

Dozer	1 Line No.....			Kms. Cut.....	Hrs.		Total Kms.....	0.000
Dozer	2 Line No.....			Kms. Cut.....	Hrs.		Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....			Kms. Cut.....	Hrs.		Total Hours.....	0.00
Grader	1 Line No.....			Kms. Graded....	Hrs.		Total Hrs (Job).....	0.00

DRILLING

					PRE LOADING				Elect Dets	
Rig No.	1	# Mtr	#Holes	Hrs	1	# Holes	# Dets	# Charges		
Rig No.	2	# Mtr	#Holes	Hrs	2	# Holes	# Dets	# Charges		
Rig No.	3	# Mtr	#Holes	Hrs	3	# Holes	# Dets	# Charges		
Rig No.	4	# Mtr	#Holes	Hrs	4	# Holes	# Dets	# Charges		
Rig No.	5	# Mtr	#Holes	Hrs	5	# Holes	# Dets	# Charges		
Rig No.	6	# Mtr	#Holes	Hrs	6	# Holes	# Dets	# Charges		
Total # Mtr.....			0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)		0
Total Drilled.....			0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)		0
Total Hrs.....			0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)		0

COMMENT

TRACE ENERGY SERVICES DAILY PRODUCTION REPORT

DATE..... 29-Jul-03

Party Manager.	Bob Stephenson
Client Rep.....	David Johnston
Weather.....	Fine

RECORDING					Kms.	SKIPS	PROFILES	TOTALS		
Line No.....	03GA-OD1	Rec	3862.0	Rec	4346.0	19.360	2	265	Profiles.....	265
Line No.....		Rec		Rec					Skips.....	2
Line No.....		Rec		Rec					Kms.....	19.360
Line No.....		Rec		Rec					Cum Kms..	133.840
Line No.....		Rec		Rec						

HOURS		Travel Time.....	0.60	Down Time -	Extra Charges	
		Test Time.....		Recorder.....	Extra Hrs.....	0.00
		Recording Time...	8.10	Cables.....	Detours Charge Hrs	0.00
Other Time		Line Change.....		ATU's.....	Washdowns.....Hrs	0.00
		Recorder Move..	0.50	Detours/Terr...	Extra Other Charge..	0.00
		Detours/Terrain.		W / on Spread.	Total Extra.....Hrs	0.00
		Experimental...		Stock Damage	Total Extra(Job).Hrs	0.00
		Line Break	0.60	Other.....	Processing Hrs.....	0.00
		QC Spread	0.90			
		Weather Time...				
		Stock Damage..		Total Down Time.....	0.00	Total Day.....Hrs 11.00
		Safety Meeting..	0.30	Cum. Down Time (Job)	0.00	Total Hrs (Job)..... 101.10

COMMENTS: Station 3862 to stn 3911 recorded at 120 fold, Crew now recording on road from Roxby Downs to Woomera.
Front crew stn 4096 to 4555, Total 459 stns.
Back Crew stn 3731 to 4210, Total 479 stns.

SURVEY							
Line No.....	03GA-OD1	STN..	4825	STN..	5350	Kms.	21.000
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	Total Kms..... 21.000
Line No.....		STN..		STN..		Kms.	Cum. Kms. (Job)..... 174.000

GRAVITY		STN..	4630	STN..	5200	Kms.	22.800		
Line No.....	03GA-OD1	STN..	4630	STN..	5200	Kms.	22.800		
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.		Total Kms.....	22.800
Line No.....		STN..		STN..		Kms.		Cum. Kms. (Job).....	168.000

RANGING		COMMENTS :	
Line No.....	Kms		
Line No.....	Kms		
Line No.....	Kms	Total Kms.....	0.000
Line No.....	Kms	Cum. Kms. (Job).....	0.00

LINE CLEAR		Kms.	Hrs.	Total Kms. (Job)	Hrs.
Dozer	1 Line No.....	Kms. Cut.....	Hrs.	Total Kms.....	0.000
Dozer	2 Line No.....	Kms. Cut.....	Hrs.	Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....	Kms. Cut.....	Hrs.	Total Hours.....	0.00
Grader	1 Line No.....	Kms. Graded.....	Hrs.	Total Hrs (Job).....	0.00

DRILLING					PRE LOADING				Elect Dets	
Rig No.	1	# Mtr	#Holes	Hrs	1	# Holes	# Dets	# Charges		
Rig No.	2	# Mtr	#Holes	Hrs	2	# Holes	# Dets	# Charges		
Rig No.	3	# Mtr	#Holes	Hrs	3	# Holes	# Dets	# Charges		
Rig No.	4	# Mtr	#Holes	Hrs	4	# Holes	# Dets	# Charges		
Rig No.	5	# Mtr	#Holes	Hrs	5	# Holes	# Dets	# Charges		
Rig No.	6	# Mtr	#Holes	Hrs	6	# Holes	# Dets	# Charges		
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)	0		
Total Drilled.....		0.0	Cum Drilled(Job).....	0.0	Total Dets.....	0	Cum Dets(Job)	0		
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)	0		

COMMENT	Satellites were again bad in the morning.
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TRACE ENERGY SERVICES DAILY PRODUCTION REPORT

CREW 401

DATE..... 30-Jul-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Fine

RECORDING				Kms.	SKIPS	PROFILES	TOTALS			
Line No.....	03GA-OD1	Rec	4346.0	Rec	4848.0	20.080	0	251	Profiles.....	251
Line No.....		Rec		Rec					Skips.....	0
Line No.....		Rec		Rec					Kms.....	20.080
Line No.....		Rec		Rec					Cum Kms..	153.920
Line No.....		Rec		Rec						

HOURS		Travel Time.....	1.00	Down Time -	Extra Charges
		Test Time.....		Recorder.....	Extra Hrs..... 0.00
		Recording Time...	8.10	Cables.....	Detours Charge Hrs 0.00
Other Time		Line Change.....		ATU's.....	Washdowns.....Hrs 0.00
		Recorder Move..	0.70	Detours/Terr...	Extra Other Charge.. 0.00
		Detours/Terrain.		W / on Spread.	Total Extra.....Hrs 0.00
		Experimental...		Stock Damage	Total Extra(Job).Hrs 0.00
		QC Spread	0.90	Other.....	Processing Hrs..... 0.00
		Pick up Spread			
		Weather Time...			
		Stock Damage..		Total Down Time.....	0.00
		Safety Meeting..	0.30	Cum. Down Time (Job)	0.00
				Total Day.....Hrs	11.00
				Total Hrs (Job).....	112.10

COMMENTS: Excelent days production, approximately 40km left on this line.
Front crew Stn 4556 to stn 5077, Total 521 stn.
Back crew Stn 4211 to stn 4720, Total 509 stn.

SURVEY				Kms.	
Line No.....	03GA-OD1	STN..	5350	STN..	5834
Line No.....		STN..		STN..	
Line No.....		STN..		STN..	
Line No.....		STN..		STN..	
Line No.....		STN..		STN..	
					Total Kms..... 19.360
					Cum. Kms. (Job)..... 193.360

GRAVITY				Kms.	
Line No.....	03GA-OD1	STN..	5200	STN..	5570
Line No.....		STN..		STN..	
Line No.....		STN..		STN..	
Line No.....		STN..		STN..	
Line No.....		STN..		STN..	
					Total Kms..... 14.800
					Cum. Kms. (Job)..... 182.800

RANGING				COMMENTS :	
Line No.....		Kms			
Line No.....		Kms			
Line No.....		Kms			
Line No.....		Kms			
					Total Kms..... 0.000
					Cum. Kms. (Job)..... 0.00

LINE CLEAR					
Dozer	1 Line No.....		Kms. Cut.....	Hrs.	Total Kms..... 0.000
Dozer	2 Line No.....		Kms. Cut.....	Hrs.	Cum. Kms. (Job)..... 0.000
Dozer	3 Line No.....		Kms. Cut.....	Hrs.	Total Hours..... 0.00
Grader	1 Line No.....		Kms.Graded....	Hrs.	Total Hrs (Job)..... 0.00

DRILLING					PRE LOADING			
Rig No.	1	# Mtr	#Holes	Hrs	1	# Holes	# Dets	# Charges
Rig No.	2	# Mtr	#Holes	Hrs	2	# Holes	# Dets	# Charges
Rig No.	3	# Mtr	#Holes	Hrs	3	# Holes	# Dets	# Charges
Rig No.	4	# Mtr	#Holes	Hrs	4	# Holes	# Dets	# Charges
Rig No.	5	# Mtr	#Holes	Hrs	5	# Holes	# Dets	# Charges
Rig No.	6	# Mtr	#Holes	Hrs	6	# Holes	# Dets	# Charges
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)	0
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)	0
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)	0

COMMENT Satellites were again bad all morning, Survey and chaining on Line 03GA-OD1 completed.

TRACE ENERGY SERVICES DAILY PRODUCTION REPORT

CREW 401

DATE..... 31-Jul-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Fine

RECORDING					Kms.	SKIPS	PROFILES		TOTALS
Line No.....	03GA-OD1	Rec	4848.0	Rec	5338.0	19.600	0	245	Profiles..... 245
Line No.....		Rec		Rec					Skips..... 0
Line No.....		Rec		Rec					Kms..... 19.600
Line No.....		Rec		Rec					Cum Kms.. 173.520
Line No.....		Rec		Rec					

HOURS									
	Travel Time.....		1.40		Down Time -			Extra Charges	
	Test Time.....				Recorder.....			Extra Hrs.....	0.00
	Recording Time...		8.10		Cables.....			Detours Charge Hrs	0.00
Other Time	Line Change.....				ATU's.....			Washdowns.....Hrs	0.00
	Recorder Move..		0.30		Detours/Terr...			Extra Other Charge..	0.00
	Detours/Terrain.				W / on Spread.			Total Extra.....Hrs	0.00
	Experimental...				Stock Damage			Total Extra(Job).Hrs	0.00
	QC Spread		0.90		Other.....			Processing Hrs.....	0.00
	Wait on Spread.								
	Weather Time...								
	Stock Damage..				Total Down Time.....	0.00		Total Day.....Hrs	11.00
	Safety Meeting..		0.30		Cum. Down Time (Job)	0.00		Total Hrs (Job).....	123.10

COMMENTS: Excelent days recording, crew getting further away from Roxby Downs.
Front crew Stn 5078 to 5515, Total 437 stns.
Back crew Stn 4721 to 5208, Total 487 stns.

SURVEY									
Line No.....	03GA-OD2	STN..	1000	STN..	1300	Kms.	12.000		
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.		Total Kms.....	12.000
Line No.....		STN..		STN..		Kms.		Cum. Kms. (Job).....	205.360

GRAVITY									
Line No.....	03GA-OD1	STN..	5570	STN..	5834	Kms.	10.560		
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.			
Line No.....		STN..		STN..		Kms.		Total Kms.....	10.560
Line No.....		STN..		STN..		Kms.		Cum. Kms. (Job).....	193.360

RANGING									
Line No.....		Kms							
Line No.....		Kms							
Line No.....		Kms						Total Kms.....	0.000
Line No.....		Kms						Cum. Kms. (Job).....	0.00

LINE CLEAR									
Dozer	1 Line No.....			Kms. Cut.....		Hrs.		Total Kms.....	0.000
Dozer	2 Line No.....			Kms. Cut.....		Hrs.		Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....			Kms. Cut.....		Hrs.		Total Hours.....	0.00
Grader	1 Line No.....			Kms.Graded....		Hrs.		Total Hrs (Job).....	0.00

DRILLING						PRE LOADING					
Rig No.	1	# Mtr	#Holes	Hrs		1	# Holes	# Dets		Elect Dets	# Charges
Rig No.	2	# Mtr	#Holes	Hrs		2	# Holes	# Dets			# Charges
Rig No.	3	# Mtr	#Holes	Hrs		3	# Holes	# Dets			# Charges
Rig No.	4	# Mtr	#Holes	Hrs		4	# Holes	# Dets			# Charges
Rig No.	5	# Mtr	#Holes	Hrs		5	# Holes	# Dets			# Charges
Rig No.	6	# Mtr	#Holes	Hrs		6	# Holes	# Dets			# Charges
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)	0			0
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)	0			0
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)	0			0

COMMENT Gravity completed on line 03GA-OD1.

TRACE ENERGY SERVICES DAILY PRODUCTION REPORT

CREW 401

DATE..... 1-Aug-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Fine

RECORDING					Kms.	SKIPS	PROFILES	TOTALS	
Line No.....	03GA-OD1	Rec	5338.0	Rec	5834.0	19.840	0	248	Profiles..... 248
Line No.....		Rec		Rec					Skips..... 0
Line No.....		Rec		Rec					Kms..... 19.840
Line No.....		Rec		Rec					Cum Kms.. 193.360
Line No.....		Rec		Rec					

HOURS		Travel Time.....	1.30	Down Time -		Recorder.....	Extra Charges
Other Time		Test Time.....				Cables.....	Extra Hrs..... 0.00
		Recording Time...	7.80			ATU's.....	Detours Charge Hrs 0.00
		Line Change.....				Detours/Terr...	Washdowns.....Hrs 0.00
		Recorder Move..	0.90			W / on Spread.	Extra Other Charge.. 0.00
		Detours/Terrain.				Stock Damage	Total Extra.....Hrs 0.00
		Experimental...				Other.....	Total Extra(Job).Hrs 0.00
		QC Spread	0.70				Processing Hrs..... 0.00
		Wait on Spread.					
		Weather Time...					
		Stock Damage..					
		Safety Meeting..	0.30				
				Total Down Time.....		0.00	Total Day.....Hrs 11.00
				Cum. Down Time (Job)		0.00	Total Hrs (Job)..... 134.10

COMMENTS: Completed recording on line 03GA-OD1, Start to pick up spread and move to Line 03GA-OD1.
Front crew Stn 5516 to 5834, 318 stns.
Back crew Stn 5209 to 5688, 479 stns.

SURVEY							
Line No.....	03GA-OD2	STN..	1300	STN..	1775	Kms.	19.000
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
						Total Kms.....	19.000
						Cum. Kms. (Job).....	224.360

GRAVITY							
Line No.....	03GA-OD2	STN..	1000	STN..	1620	Kms.	24.800
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
Line No.....		STN..		STN..		Kms.	
						Total Kms.....	24.800
						Cum. Kms. (Job).....	218.160

RANGING				COMMENTS :			
Line No.....		Kms					
Line No.....		Kms					
Line No.....		Kms					
Line No.....		Kms					
						Total Kms.....	0.000
						Cum. Kms. (Job).....	0.00

LINE CLEAR				Kms. Cut.....	Hrs.	Total Kms.....	
Dozer	1 Line No.....			Kms. Cut.....	Hrs.	Cum. Kms. (Job).....	0.000
Dozer	2 Line No.....			Kms. Cut.....	Hrs.	Total Hours.....	0.00
Dozer	3 Line No.....			Kms. Cut.....	Hrs.	Total Hrs (Job).....	0.00
Grader	1 Line No.....			Kms.Graded....	Hrs.		

DRILLING					PRE LOADING				Elect Dets		
Rig No.	1	# Mtr	#Holes	Hrs	1	# Holes	# Dets	# Charges			
Rig No.	2	# Mtr	#Holes	Hrs	2	# Holes	# Dets	# Charges			
Rig No.	3	# Mtr	#Holes	Hrs	3	# Holes	# Dets	# Charges			
Rig No.	4	# Mtr	#Holes	Hrs	4	# Holes	# Dets	# Charges			
Rig No.	5	# Mtr	#Holes	Hrs	5	# Holes	# Dets	# Charges			
Rig No.	6	# Mtr	#Holes	Hrs	6	# Holes	# Dets	# Charges			
Total # Mtr.....		0.0	Cum # Mtr(Job).....		0.0	Total # Holes.....		0	Cum #Holes(Job)		0
Total Drilled.....		0.0	Cum Drilled(Job)..		0.0	Total Dets.....		0	Cum Dets(Job)		0
Total Hrs.....		0.0	Total # Hrs(Job).....		0.0	Total Charges		0	Total # Charges(Job)		0

COMMENT

TRACE ENERGY SERVICES **DAILY PRODUCTION REPORT**

CREW 401

DATE..... 2-Aug-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Fine

RECORDING				Kms.	SKIPS	PROFILES	TOTALS
Line No.....	03GA-OD2	Rec 1000.0	Rec 1184.0	7.360	0	92	Profiles..... 92
Line No.....		Rec	Rec				Skips..... 0
Line No.....		Rec	Rec				Kms..... 7.360
Line No.....		Rec	Rec				Cum Kms.. 200.720
Line No.....		Rec	Rec				

HOURS	Travel Time.....	1.30	Down Time -		Extra Charges	
	Test Time.....		Recorder.....		Extra Hrs.....	0.00
	Recording Time...	3.10	Cables.....		Detours Charge Hrs	0.00
Other Time	Line Change.....	2.20	ATU's.....		Washdowns.....Hrs	0.00
	Recorder Move..		Detours/Terr...		Extra Other Charge..	0.00
	Detours/Terrain.		W / on Spread.		Total Extra.....Hrs	0.00
	Experimental...		Stock Damage		Total Extra(Job).Hrs	0.00
	Pick up Spread	2.20	Other.....		Processing Hrs.....	0.00
	Laying Spread	1.90				
	Weather Time...					
	Stock Damage..		Total Down Time.....	0.00	Total Day.....Hrs	11.00
	Safety Meeting..	0.30	Cum. Down Time (Job)	0.00	Total Hrs (Job).....	145.10

COMMENTS: Pick up the rest of spread on line 03GA-OD1 and move to line 03GA-OD2, lay spread and commence recording.
Front crew Stn 1000 to 1387, Total 387 stns.
Back crew Stn 5688 to 5834, Total 146 stns.

SURVEY				Kms.	
Line No.....	03GA-OD2	STN.. 1775	STN.. 2436	26.440	
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	Total Kms..... 26.440
Line No.....		STN..	STN..	Kms.	Cum. Kms. (Job)..... 250.800

CHAINING				Kms.	
Line No.....	03GA-OD2	STN.. 1620	STN.. 1900	11.200	
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	
Line No.....		STN..	STN..	Kms.	Total Kms..... 11.200
Line No.....		STN..	STN..	Kms.	Cum. Kms. (Job)..... 229.360

RANGING				COMMENTS:	
Line No.....		Kms			
Line No.....		Kms			
Line No.....		Kms			Total Kms..... 0.000
Line No.....		Kms			Cum. Kms. (Job)..... 0.00

LINE CLEAR					
Dozer	1 Line No.....	Kms. Cut.....	Hrs.	Total Kms.....	0.000
Dozer	2 Line No.....	Kms. Cut.....	Hrs.	Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....	Kms. Cut.....	Hrs.	Total Hours.....	0.00
Grader	1 Line No.....	Kms.Graded....	Hrs.	Total Hrs (Job).....	0.00

DRILLING				PRE LOADING			
Rig No.	1	# Mtr	#Holes	Hrs	1	# Holes	# Dets
Rig No.	2	# Mtr	#Holes	Hrs	2	# Holes	# Dets
Rig No.	3	# Mtr	#Holes	Hrs	3	# Holes	# Dets
Rig No.	4	# Mtr	#Holes	Hrs	4	# Holes	# Dets
Rig No.	5	# Mtr	#Holes	Hrs	5	# Holes	# Dets
Rig No.	6	# Mtr	#Holes	Hrs	6	# Holes	# Dets
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)

COMMENT Chaining and survey completed on Line 03GA-OD2.

TRACE ENERGY SERVICES DAILY PRODUCTION REPORT

CREW 401

DATE..... 3-Aug-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Fine

RECORDING					Kms.	SKIPS	PROFILES	TOTALS
Line No.....	03GA-OD2	Rec	1184.0	Rec	1594.0	16.400	205	Profiles..... 205
Line No.....		Rec		Rec				Skips..... 0
Line No.....		Rec		Rec				Kms..... 16.400
Line No.....		Rec		Rec				Cum Kms.. 217.120
Line No.....		Rec		Rec				

HOURS	Travel Time.....	1.40	Down Time -	Recorder.....	Extra Charges	
	Test Time.....			Cables.....	Extra Hrs.....	0.00
	Recording Time...	6.70		ATU's.....	Detours Charge Hrs	0.00
Other Time	Line Change....			Detours/Terr...	Washdowns.....Hrs	0.00
	Recorder Move..	1.90		W / on Spread.	Extra Other Charge..	0.00
	Detours/Terrain.			Stock Damage	Total Extra.....Hrs	0.00
	Experimental...			Other.....	Total Extra(Job).Hrs	0.00
	QC Spread	0.70			Processing Hrs.....	0.00
	Wait on Spread.					
	Weather Time...					
	Stock Damage..					
	Safety Meeting..	0.30				
			Total Down Time.....	0.00	Total Day.....Hrs	11.00
			Cum. Down Time (Job)	0.00	Total Hrs (Job).....	156.10

COMMENTS: Recording crew are over the worst of this line, production should increase after today. Recording 120 fold part of today.
Front crew Stn 1388 to 1747, Total 359 stns.

SURVEY						
Line No.....	STN..	STN..	Kms.			
Line No.....	STN..	STN..	Kms.			
Line No.....	STN..	STN..	Kms.			
Line No.....	STN..	STN..	Kms.		Total Kms.....	0.000
Line No.....	STN..	STN..	Kms.		Cum. Kms. (Job).....	250.800

GRAVITY						
Line No.....	03GA-OD2	STN..	1900	STN..	2436	Kms. 21.440
Line No.....		STN..		STN..		Kms.
Line No.....		STN..		STN..		Kms.
Line No.....		STN..		STN..		Kms.
Line No.....		STN..		STN..		Kms.
					Total Kms.....	21.440
					Cum. Kms. (Job).....	250.800

RANGING						
Line No.....	Kms					
Line No.....	Kms					
Line No.....	Kms				Total Kms.....	0.000
Line No.....	Kms				Cum. Kms. (Job).....	0.00

LINE CLEAR						
Dozer	1 Line No.....		Kms. Cut.....	Hrs.	Total Kms.....	0.000
Dozer	2 Line No.....		Kms. Cut.....	Hrs.	Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....		Kms. Cut.....	Hrs.	Total Hours.....	0.00
Grader	1 Line No.....		Kms.Graded....	Hrs.	Total Hrs (Job).....	0.00

DRILLING									
Rig No.	1	# Mtr	#Holes	Hrs		PRE LOADING			
Rig No.	2	# Mtr	#Holes	Hrs		1	# Holes	# Dets	# Charges
Rig No.	3	# Mtr	#Holes	Hrs		2	# Holes	# Dets	# Charges
Rig No.	4	# Mtr	#Holes	Hrs		3	# Holes	# Dets	# Charges
Rig No.	5	# Mtr	#Holes	Hrs		4	# Holes	# Dets	# Charges
Rig No.	6	# Mtr	#Holes	Hrs		5	# Holes	# Dets	# Charges
						6	# Holes	# Dets	# Charges
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)	0	
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)	0	
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)	0	

COMMENT Gravity survey completed.

CREW 401										DATE..... 4-Aug-03			
Client.....		ANSIR					Party Manager.		Bob Stephenson				
Survey Name.		Gawler					Client Rep.....		David Johnston				
Area.....		Roxby Downs					Weather.....		Windy				
State.....		South Australia											
RECORDING													
Line No.....	03GA-OD2	Rec	1594.0	Rec	2056.0	Kms.	18.480	SKIPS	1	PROFILES	229	Profiles.....	229
Line No.....		Rec		Rec								Skips.....	1
Line No.....		Rec		Rec								Kms.....	18.480
Line No.....		Rec		Rec								Cum Kms..	235.600
Line No.....		Rec		Rec									
HOURS													
Travel Time.....		1.00		Down Time -						Extra Charges			
Test Time.....						Recorder.....				Extra Hrs.....		0.00	
Recording Time...		7.60				Cables.....				Detours Charge Hrs		0.00	
Other Time						ATU's.....				Washdowns.....Hrs		0.00	
Line Change.....						Detours/Terr...				Extra Other Charge..		0.00	
Recorder Move..		0.90				W / on Spread.				Total Extra.....Hrs		0.00	
Detours/Terrain.						Stock Damage				Total Extra(Job).Hrs		0.00	
Experimental...						Other.....				Processing Hrs.....		0.00	
QC Spread		0.60											
Wait on Spread.		0.60											
Weather Time...													
Stock Damage..						Total Down Time.....		0.00		Total Day.....Hrs		11.00	
Safety Meeting..		0.30				Cum. Down Time (Job)		0.00		Total Hrs (Job).....		167.10	
COMMENTS:													
Excelent days production, crew now off Western Minings lease.													
Front crew Sin 1748 to 2211, Total 463 stns.													
Back crew Stn 1471 to 1920, Total 449 stns.													
SURVEY													
Line No.....		STN..		STN..		Kms.							
Line No.....		STN..		STN..		Kms.							
Line No.....		STN..		STN..		Kms.							
Line No.....		STN..		STN..		Kms.				Total Kms.....		0.000	
Line No.....		STN..		STN..		Kms.				Cum. Kms. (Job).....		250.800	
CHAINING													
Line No.....		STN..		STN..		Kms.							
Line No.....		STN..		STN..		Kms.							
Line No.....		STN..		STN..		Kms.							
Line No.....		STN..		STN..		Kms.				Total Kms.....		0.000	
Line No.....		STN..		STN..		Kms.				Cum. Kms. (Job).....		250.800	
RANGING													
COMMENTS :													
Line No.....		Kms											
Line No.....		Kms											
Line No.....		Kms								Total Kms.....		0.000	
Line No.....		Kms								Cum. Kms. (Job).....		0.00	
LINE CLEAR													
Dozer	1 Line No.....			Kms. Cut.....		Hrs.				Total Kms.....		0.000	
Dozer	2 Line No.....			Kms. Cut.....		Hrs.				Cum. Kms. (Job).....		0.000	
Dozer	3 Line No.....			Kms. Cut.....		Hrs.				Total Hours.....		0.00	
Grader	1 Line No.....			Kms.Graded....		Hrs.				Total Hrs (Job).....		0.00	
DRILLING													
Rig No.	1	# Mtr	#Holes	Hrs		PRE LOADING				Elect Dets			
Rig No.	2	# Mtr	#Holes	Hrs		1	# Holes	# Dets	# Charges				
Rig No.	3	# Mtr	#Holes	Hrs		2	# Holes	# Dets	# Charges				
Rig No.	4	# Mtr	#Holes	Hrs		3	# Holes	# Dets	# Charges				

TRACE ENERGY SERVICES **DAILY PRODUCTION REPORT**

CREW 401

DATE..... 5-Aug-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Fine

RECORDING					Kms.	SKIPS	PROFILES	TOTALS
Line No.....	03GA-OD2	Rec	2056.0	Rec	2436.0	15.200	0	190
Line No.....		Rec		Rec				Profiles..... 190
Line No.....		Rec		Rec				Skips..... 0
Line No.....		Rec		Rec				Kms..... 15.200
Line No.....		Rec		Rec				Cum Kms.. 250.800

HOURS	Travel Time.....	1.50	Down Time -				Extra Charges	
	Test Time.....				Recorder.....		Extra Hrs.....	
Other Time	Recording Time...	6.60			Cables.....		Detours Charge Hrs	
	Line Change.....				ATU's.....		Washdowns.....Hrs	
	Recorder Move..	0.50			Detours/Terr...		Extra Other Charge..	
	Detours/Terrain.				W / on Spread.		Total Extra.....Hrs	
	Experimental...				Stock Damage		Total Extra(Job).Hrs	
	QC Spread	0.50			Other.....		Processing Hrs.....	
	Wait on Spread.							
	Weather Time...							
	Stock Damage..				Total Down Time.....		Total Day.....Hrs	
	Safety Meeting..	0.30			Cum. Down Time (Job)		Total Hrs (Job).....	

COMMENTS: Completed line 03GA-OD2, Gawler recording completed, still have spread to pick up. One vib on way to Curnamona.
Front crew Stn 2212 to 2436, Total 224 stns.
Back crew Stn 1921 to 2086, Total 165 stns.

SURVEY								
Line No.....	STN..	STN..	Kms.					
Line No.....	STN..	STN..	Kms.					
Line No.....	STN..	STN..	Kms.					
Line No.....	STN..	STN..	Kms.				Total Kms.....	0.000
Line No.....	STN..	STN..	Kms.				Cum. Kms. (Job).....	250.800

CHAINING								
Line No.....	STN..	STN..	Kms.					
Line No.....	STN..	STN..	Kms.					
Line No.....	STN..	STN..	Kms.					
Line No.....	STN..	STN..	Kms.				Total Kms.....	0.000
Line No.....	STN..	STN..	Kms.				Cum. Kms. (Job).....	250.800

RANGING		COMMENTS:						
Line No.....	Kms							
Line No.....	Kms							
Line No.....	Kms						Total Kms.....	0.000
Line No.....	Kms						Cum. Kms. (Job).....	0.00

LINE CLEAR								
Dozer	1 Line No.....	Kms. Cut.....	Hrs.				Total Kms.....	0.000
Dozer	2 Line No.....	Kms. Cut.....	Hrs.				Cum. Kms. (Job).....	0.000
Dozer	3 Line No.....	Kms. Cut.....	Hrs.				Total Hours.....	0.00
Grader	1 Line No.....	Kms.Graded....	Hrs.				Total Hrs (Job).....	0.00

DRILLING						PRE LOADING		Elect Dets	
Rig No.	1	# Mtr	#Holes	Hrs		1	# Holes	# Dets	# Charges
Rig No.	2	# Mtr	#Holes	Hrs		2	# Holes	# Dets	# Charges
Rig No.	3	# Mtr	#Holes	Hrs		3	# Holes	# Dets	# Charges
Rig No.	4	# Mtr	#Holes	Hrs		4	# Holes	# Dets	# Charges
Rig No.	5	# Mtr	#Holes	Hrs		5	# Holes	# Dets	# Charges
Rig No.	6	# Mtr	#Holes	Hrs		6	# Holes	# Dets	# Charges
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)		0
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)		0
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)		0

COMMENT

TRACE ENERGY SERVICES DAILY PRODUCTION REPORT

CREW 401

DATE..... 6-Aug-03

Client..... ANSIR
Survey Name. Gawler
Area..... Roxby Downs
State..... South Australia

Party Manager. Bob Stephenson
Client Rep..... David Johnston
Weather..... Fine

RECORDING	Kms.	SKIPS	PROFILES	TOTALS
Line No.....	Rec	Rec	Profiles.....	0
Line No.....	Rec	Rec	Skips.....	0
Line No.....	Rec	Rec	Kms.....	0.000
Line No.....	Rec	Rec	Cum Kms..	250.800

HOURS	Travel Time.....	1.00	Down Time -	Extra Charges	
	Test Time.....		Recorder.....	Extra Hrs.....	0.00
	Recording Time...		Cables.....	Detours Charge Hrs	0.00
Other Time	Line Change....		ATU's.....	Washdowns.....Hrs	0.00
	Recorder Move..		Detours/Terr...	Extra Other Charge..	0.00
	Detours/Terrain.		W / on Spread.	Total Extra.....Hrs	0.00
	Experimental...		Stock Damage	Total Extra(Job).Hrs	0.00
	Load Container ...	2.2	Other.....	Processing Hrs.....	0.00
	Pick up Spread	4.50			
	Weather Time...				
	QC Spread		Total Down Time.....	Total Day.....Hrs	8.00
	Safety Meeting..	0.30	Cum. Down Time (Job)	Total Hrs (Job).....	184.50

COMMENTS:

SURVEY

Line No.....	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	Total Kms..... 0.000
Line No.....	STN..	STN..	Kms.	Cum. Kms. (Job)..... 250.800

CHAINING

Line No.....	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	
Line No.....	STN..	STN..	Kms.	Total Kms..... 0.000
Line No.....	STN..	STN..	Kms.	Cum. Kms. (Job)..... 250.800

RANGING

COMMENTS :

Line No.....	Kms		
Line No.....	Kms		
Line No.....	Kms		
Line No.....	Kms		Total Kms..... 0.000
			Cum. Kms. (Job)..... 0.00

LINE CLEAR

Dozer	1 Line No.....	Kms. Cut.....	Hrs.	Total Kms..... 0.000
Dozer	2 Line No.....	Kms. Cut.....	Hrs.	Cum. Kms. (Job)..... 0.000
Dozer	3 Line No.....	Kms. Cut.....	Hrs.	Total Hours..... 0.00
Grader	1 Line No.....	Kms.Graded....	Hrs.	Total Hrs (Job)..... 0.00

DRILLING

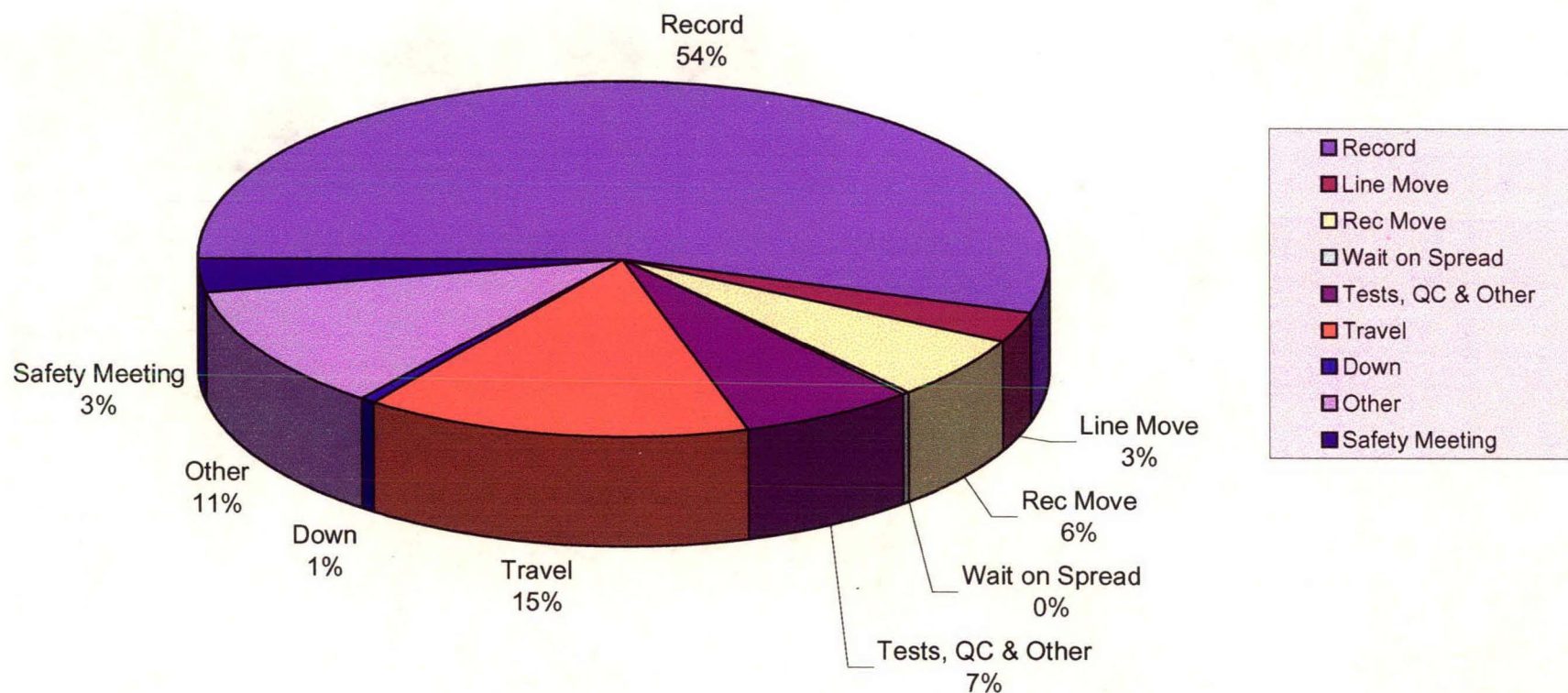
Rig No.	1	# Mtr	#Holes	Hrs	1	# Holes	# Dets	# Charges
Rig No.	2	# Mtr	#Holes	Hrs	2	# Holes	# Dets	# Charges
Rig No.	3	# Mtr	#Holes	Hrs	3	# Holes	# Dets	# Charges
Rig No.	4	# Mtr	#Holes	Hrs	4	# Holes	# Dets	# Charges
Rig No.	5	# Mtr	#Holes	Hrs	5	# Holes	# Dets	# Charges
Rig No.	6	# Mtr	#Holes	Hrs	6	# Holes	# Dets	# Charges
Total # Mtr.....		0.0	Cum # Mtr(Job).....	0.0	Total # Holes.....	0	Cum #Holes(Job)	0
Total Drilled.....		0.0	Cum Drilled(Job)..	0.0	Total Dets.....	0	Cum Dets(Job)	0
Total Hrs.....		0.0	Total # Hrs(Job).....	0.0	Total Charges	0	Total # Charges(Job)	0

COMMENT

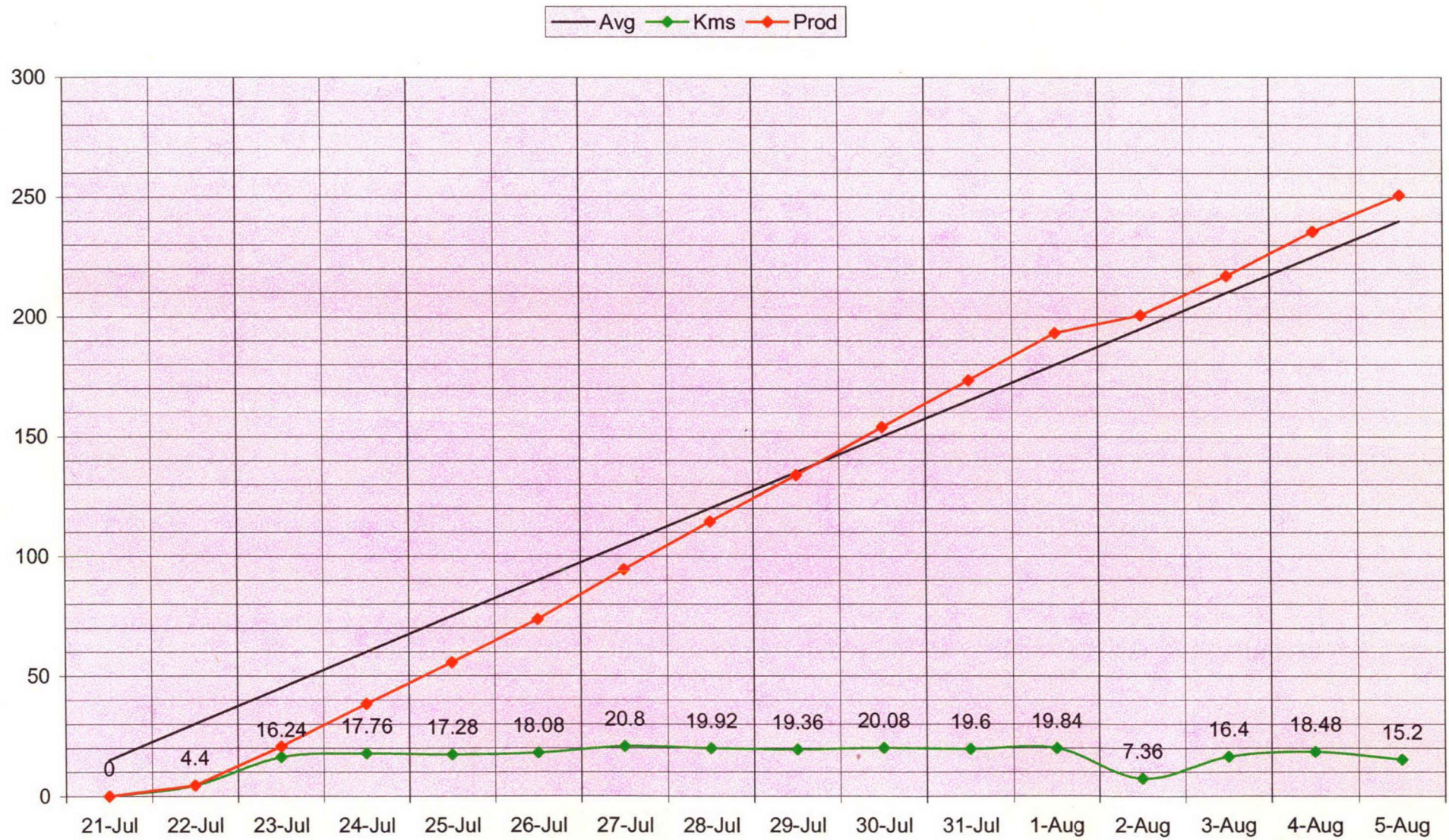
RECORDING STATISTICS - 2003 Gawler Seismic Survey

[illegible]

2003 Gawler Seismic Survey Summary



2003 Gawler Seismic Survey



15 Km per day expected production chart

Comments: Record length changed to 18,000 mil at file 307



ANSIR

2003 Gawler Seismic Survey

Party No. # 401

Date Recorded: 02 To 05 August 2003

Observer: Mike / Peter

03GA-OD2

Instrumentation

Recording System: Aram 24
Plotter: GS-612

Shooting System: Pelton Advance II Model 6
Geophone Model: OYO GS-32CT

Recording Parameters

Record Length:	18,000 Mil	Sample Rate:	2 ms.	Preamp Gain:	30 dB
Noise Edit Type:	None	Tape Format:	Seg Y	Tape:	32 Bit Floating Point
Low Cut Filter:	3 Hz	High Cut:	164 Hz	HPE Filter:	Out
Aux. Chan. #1:	Time Break	Aux. Chan. #2:	True Reference	Aux. Chan. #3:	N/A
CSM Process:	Correlate Before Stack	Stations in Gap:	0	No. of Chan.:	240 + 2 Aux

Receiver Parameters

Geophone Array:	12 Over 40 M	Geophone Frequency:	10 Hz
Geophone Wiring:	12 Phones Series/ Parallel	Geophone Base:	3" Spikes
Geophone Spacing:	3.3 M	Geophone Damping:	0.70%
Receiver Station Intervals:	40 M	No. of Receiver Lines:	1
Receiver Station Centre:	Mid Station	First Receiver On Line	1000
Direction of Recording:	West To East	Last Receiver On Line	2436

Source Parameters

Source Type:	IVI Hemi 60 Vibrator	Source Array Length:	60 M
Vibe Spacing:	15M	Vibe Move ups:	15 M
Source Point Intervals:	80 M	Number of Composites:	3
Sweep Length:	12,000 Mil	Sweep Taper:	200 Mil
Source Centre:	On Peg	Sweep Type:	Linear
Sweep # 1	7-56 Hz	Num Vibes On Line:	3
Sweep # 2	12-80 HZ	First Source Point:	1000
Sweep # 3	8-72 Hz	Last Source Point:	2436

3490E And Exabyte Tape Summary

Comments:

Project code 28106
Survey No L163

[illegible]

[illegible]

FFID	VP	Spread	Sweep	Sweep	No	Sweep	Source	No	Source array	Comments
No			Type	Freq	Sweeps	Length (s)	Config	Vibes	length	
27	1118	1000-1239	Mono	6-90hz	3	12	15mUp, 15P-P	3	60	Lachlan freqs
28	1120	1002-1241	Mono	6-90hz	3	12	15mUp, 15P-P	3	60	Lachlan freqs
29	1122	1004-1243	Mono	6-90hz	3	12	15mUp, 15P-P	3	60	Lachlan freqs
30	1124	1006-1245	Mono	6-90hz	3	12	15mUp, 15P-P	3	60	Lachlan freqs
31	1126	1008-1247	Mono	6-90hz	3	12	15mUp, 15P-P	3	60	Lachlan freqs
32	1118	1000-1239	Mono	6-90hz	2	15	10 mUp, 25P-P	3	60	Lachlan freqs
33	1120	1002-1241	Mono	6-90hz	2	15	10 mUp, 25P-P	3	60	Lachlan freqs
34	1122	1004-1243	Mono	6-90hz	2	15	10 mUp, 25P-P	3	60	Lachlan freqs
35	1124	1006-1245	Mono	6-90hz	2	15	10 mUp, 25P-P	3	60	Lachlan freqs
36	1126	1008-1247	Mono	6-90hz	2	15	10 mUp, 25P-P	3	60	Lachlan freqs
37	1118	1000-1239	Vari	7 - 64hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 1mod freqs
				12 - 80hz	3	12		3	60	
				8 - 72hz	3	12		3	60	
38	1120	1002-1241	Vari	7 - 64hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 1mod freqs
				12 - 80hz	3	12		3	60	
				8 - 72hz	3	12		3	60	
39	1122	1004-1243	Vari	7 - 64hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 1mod freqs
				12 - 80hz	3	12		3	60	
				8 - 72hz	3	12		3	60	
40	1124	1006-1245	Vari	7 - 64hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 1mod freqs
				12 - 80hz	3	12		3	60	
				8 - 72hz	3	12		3	60	
41	1126	1008-1247	Vari	7 - 64hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 1mod freqs
				12 - 80hz	3	12		3	60	
				8 - 72hz	3	12		3	60	
42	1118	1000-1239	Vari	7 - 56hz	3	12	No mUp, 15P-P	3	60	Final Frequencies
				12 - 80hz	3	12		3	60	testing no moveup
				8 - 72hz	3	12		3	60	
43	1120	1002-1241	Vari	7 - 56hz	3	12	No mUp, 15P-P	3	60	Final Frequencies
				12 - 80hz	3	12		3	60	testing no moveup
				8 - 72hz	3	12		3	60	
44	1122	1004-1243	Vari	7 - 56hz	3	12	No mUp, 15P-P	3	60	Final Frequencies
				12 - 80hz	3	12		3	60	testing no moveup
				8 - 72hz	3	12		3	60	
45	1124	1006-1245	Vari	7 - 56hz	3	12	No mUp, 15P-P	3	60	Final Frequencies
				12 - 80hz	3	12		3	60	testing no moveup
				8 - 72hz	3	12		3	60	
46	1126	1008-1247	Vari	7 - 56hz	3	12	No mUp, 15P-P	3	60	Final Frequencies
				12 - 80hz	3	12		3	60	testing no moveup
				8 - 72hz	3	12		3	60	