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# **2003 Gawler Seismic Survey**

Field Acquisition & Operations Report

Trace Energy Services

Record

2003/27

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

# 3 RECORDING

The first production profile was recorded on the 22<sup>nd</sup> 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

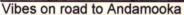


This dingo caused three cable breaks over two days

#### 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.







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	Туре
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"**

<b>3490E Reel</b> L16303001							
Reel L16303001							
L16303001	Stn	To	Stn	File	To	File	Comments
	1118	_	1126	1	-	47	Parameter Testing
L16303002	1000	_	1190	48	-	143	, an annoted a coming
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	
L16303007	2160	-	2366	626	-	730	Void file 626
L16303009	2368	-	2496	731	-	795	Problems searching tape on recorder mov
			2700	794		897	
L16303010	2494	-		898	-	1003	File 794,795 Rewritten as a precaution
L16303011	2702	-	2912		-		
L16303012	2914	-	3122	1004	-	1108	
L16303013	3124	-	3334	1109	-	1214	D. H
L16303014	3336	-	3452	1215	-	1273	Problems searching tape on recorder mov
L16303015	3454	-	3664	1274	-	1379	File rewritten from 1274 as a precaution
L16303016	3666	-	3846	1380	-	1470	
L16303017	3848	-	3994	1471	-	1576	
L16303018	3996	-	4150	1577	-	1653	
L16303019	4152	-	4346	1654	-	1751	
L16303020	4348	-	4522	1752	-	1839	
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	Start of 03GA-OD2 Problems reading tap
L16303029	1126	-	1266	2559	-	2629	File rewritten from 2559 as a precaution
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	То	Stn	File	То	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	
E16303006	4644	_	4848	1900	_	2002	
E16303007	4850	. <del></del>	5782	2003	-	2469	
		•					
E16303008 E16303009	5784	-	5834	2470	-	2495	Start of 02CA OD2
- 10 4114111U	1000	-	1594	2496	-	2793	Start of 03GA-OD2

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	э
CD16303019	3488	-	3646	1291	_	1370	
CD16303020	3648	-	3806	1371	_	1450	
CD16303021	3808	-	3862	1451	_	1485	
CD16303021	3863	_	3964	1486	-	1560	
CD16303022	3966	-	4124	1561	-	1640	* '
CD16303024	4126	-	4282	1641	-	1719	*
CD16303024	4284	_	4444	1720	-	1800	
CD16303026	4446	-	4604	1801	-	1880	
CD16303027	4606	_	4764	1881	-	1960	,
CD16303027	4766	-	4848	1961	-	2002	
CD16303029	4850	-	5010	2003	-	2083	
CD16303029	5012	-	5172	2084	-	2164	
CD16303030			5334	2165		2245	
CD16303031	5174	-	5500	2165	-	2328	
CONTROL OF THE PART AND THE CONTROL	5336	-			-		
CD16303033 CD16303034	5502	-	5666	2329 2412	•	2411	
The same of the sa	5668	-	5788 5834		-	2472	
CD16303035	5790	-		2473	-	2495	Start of 02CA OD2
CD16303036	1000	-	1138	2496	-	2565	Start of 03GA-OD2
CD16303037	1140	-	1298	2566	-	2645	
CD16303038	1300	-	1458	2646	-	2725	f
CD16303039	1460	-	1594	2726	-	2793	
CD16303040	1596	-	1760	2794	-	2875	w.
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, S	outh Australia	
Permit Area		v	
Total Personnel	on Crew '	26	
Total Hours Wo	ked (a)	141.36	
Total Exposed F	lours (b)	3675.5	
No of Minor Inju	ries (c)	0	
No of Medical T	reatments (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 Wor	ked (a)	68.5	
Total Exposed H	lours (b)	1791	
No of Minor Injur	ries (c)	0	
No of Medical Tr	eatments (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 22<sup>nd</sup> 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 23<sup>rd</sup> 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 2<sup>nd</sup> 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 a 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 of 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 publics 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 7<sup>th</sup> 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.

	3 3330			ACE ENERG			_		
CREW 401			DAIL	PRODUC	TION	REPOR	Τ	DATE	. 15-Jul-03
CINEW 401								DAIL	. 10-341-03
Client	ANSIR						Party Manager	Bob Stephenson	
Survey Name.	Gawler						Client Rep	David Johnston	
Area	Roxby Downs						Weather	Fine '	
State	South Australia								
RECORDING	10.00			Kms		SKIPS	PROFILES		TOTALS
Line No		Rec	Rec					Profiles	0
_ine No		Rec	Rec					Skips	0
Line No		Rec	Rec					Kms	0.000
Line No		Rec	Rec					Cum Kms	0.000
Line No		Rec	Rec					F.4 01	
HOURS	Travel Time			Down 7		la.		Extra Charges	
	Test Time Recording Time					ier		Extra Hrs	
Other Time	Line Change							Detours Charge Hrs WashdownsHrs	
Outer Time	Recorder Move					s/Terr		Extra Other Charge	
	Detours/Terrain.					Spread.		Total ExtraHrs	0.00
	Experimental					Damage		Total Extra(Job).Hrs	0.00
	QC Spread							Processing Hrs	0.00
	Pick up Spread								
	Vibes Drive to Ca							*	
	Stock Damage			Total D	own Time	е	0.00	Total DayHrs	0.00
COMMENTS:	Safety Meeting			Cum. D	own Tim	e (Job)	0.00	Total Hrs (Job)	0.00
						mg g			
SURVEY Line No		STN	STN		Kms.		Establish 2 hass s	tations Bas1,Bas2 & Bas3	,
Line No		STN	STN		Kms.		Establish 3 base s	tations bas1,bas2 & bas	5
Line No		STN	STN		Kms.				
Line No	8	STN	STN		Kms.			Total Kms	0.000
Line No		STN	STN		Kms.			Cum. Kms. (Job)	0.000
GRAVITY							. at 200, We day 10, 7, 10		
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			COMMENT	S:					
Line No		Kms							
Line No		Kms						Total Vma	0.000
Line No Line No		Kms						Total Kms	0.000
LINE CLEAR		Kms						Cum. Kms. (Job)	0.00
Dozer	1 Line No		K	ms. Cut		Hrs.		Total Kms	0.000
Dozer	2 Line No			ms. Cut		Hrs.		Cum. Kms. (Job)	0.000
Dozer	3 Line No			ms. Cut		Hrs.		Total Hours	0.00
Grader	1 Line No			ms.Graded		Hrs.		Total Hrs (Job)	0.00
ORILLING					PRE LO	OADING		Elect Dets	3.00
	1 # Mtr	#Hole	s	Hrs	1	# Holes	# Dets	# Charges	
Rig No.		#Hole		Hrs	2	# Holes	# Dets	# Charges	
	2 # Mtr	1111010		Library	3	# Holes	# Dets	· # Charges	
Rig No.	2 # Mtr 3 # Mtr	#Hole	S	Hrs					
Rig No. Rig No. Rig No.				Hrs Hrs	4	# Holes	# Dets	# Charges	
Rig No. Rig No. Rig No. Rig No.	3 # Mtr 4 # Mtr 5 # Mtr	#Hole	s		1	# Holes # Holes	# Dets		
Rig No. Rig No. Rig No. Rig No. Rig No.	3 # Mtr 4 # Mtr 5 # Mtr 6 # Mtr	#Hole #Hole #Hole #Hole	es es	Hrs Hrs Hrs	4 5 6	# Holes # Holes	# Dets # Dets	# Charges	
Rig No. Rig No. Rig No. Rig No. Rig No. Total # Mtr	3 # Mtr 4 # Mtr 5 # Mtr 6 # Mtr	#Hole #Hole #Hole #Hole 0.0 Cum#	es es Mtr(Job)	Hrs Hrs Hrs	4 5 6 Total #	# Holes # Holes Holes	# Dets # Dets 0	# Charges # Charges # Charges Cum #Holes(Job)	0
Rig No. Rig No. Rig No. Rig No. Rig No.	3 # Mtr 4 # Mtr 5 # Mtr 6 # Mtr	#Hole #Hole #Hole 0.0 Cum # 0.0 Cum D	es es	Hrs Hrs Hrs	4 5 6 Total #	# Holes # Holes Holes	# Dets # Dets	# Charges # Charges # Charges	

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					ACE EN							
REW 401				DAIL	PROD	JUÇ II	ON K	EPORI			DATE	16-Jul-03
											5.1.5	
Client	ANSIR								Party Mana		Bob Stephenson	
Survey Name.	Gawler								Client Rep.		David Johnston	
Area	Roxby Downs								Weather	••••	Fine	
State	South Australia											
RECORDING						Kms.		SKIPS	PROF	ILES		TOTALS
ine No		Rec		Rec						160	Profiles	0
ine No		Rec		Rec							Skips	0
ine No		Rec		Rec							Kms	0.000
ine No		Rec		Rec							Cum Kms	0.000
ine No		Rec		Rec				to the land				
HOURS	Travel Time				I	Down Tir					Extra Charges	
	Test Time							er			Extra Hrs	0.00
•	Recording Time						Cables.				Detours Charge Hrs	0.00
Other Time	Line Change							~			WashdownsHrs	0.00
	Recorder Move						Detours				Extra Other Charge	0.00
	Detours/Terrain.							Spread.			Total ExtraHrs	0.00
	Experimental							)amage			Total Extra(Job).Hrs	0.00
	Camp move						Vibes				Processing Hrs	
	Wait on Spread.											
	Weather Time				<u>.</u>							
	Stock Damage					Total Do			0.00		Total DayHrs	0.00
COMMENTS:	Safety Meeting				(	Cum. Do	wn Time	e (Job)	0.00		Total Hrs (Job)	0.00
SURVEY ine No	03GA-OD1	STN	1000	STN	1375	×.	<del>.</del>	15.000				
	U3GA-OD1		1000		13/3		Kms.	15.000				
ine No	U3GA-OD1	STN	1000	STN	1375		Kms.	15.000				
ine No	U3GA-OD1	STN STN	1000	STN	13/3		Kms. Kms.	15.000			Total Kms	15 000
ine No ine No ine No	USGA-OD1	STN STN STN	1000	STN STN STN	1575		Kms. Kms. Kms.	15.000			Total Kms	15.000 15.000
ine Noine No ine No ine No	USGA-ODT	STN STN	1000	STN	1373		Kms. Kms.	13.000			Total KmsCum. Kms. (Job)	15.000 15.000
ine Noine Noine Noine No	USGA-OD I	STN STN STN STN	1000	STN STN STN STN	13/3		Kms. Kms. Kms. Kms.	13.000				
ine Noine Noine Noine No	USGA-OD I	STN STN STN STN	1000	STN STN STN STN	1373		Kms. Kms. Kms. Kms.	13.000				
ine Noine No	USGA-OD I	STN STN STN STN	1000	STN STN STN STN STN	1373		Kms. Kms. Kms. Kms.	13.000				
ine Noine Noine Noine NoGRAVITY ine Noine Noine Noine Noine No	03GA-OD1	STN STN STN STN STN STN		STN STN STN STN STN STN	13/3		Kms. Kms. Kms. Kms. Kms. Kms.	13.000			Cum. Kms. (Job)	15.000
ine Noine No	USGA-OD I	STN STN STN STN STN STN STN		STN STN STN STN STN STN STN	1373		Kms. Kms. Kms. Kms. Kms. Kms. Kms.	13.000			Cum. Kms. (Job)  Total Kms	0.000
ine Noine Noine Noine No	USGA-OD I	STN STN STN STN STN STN		STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms.	13.000			Cum. Kms. (Job)	15.000
ine Noine No	USGA-OD I	STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms.	15.000			Cum. Kms. (Job)  Total Kms	0.000
ine Noine Noine No	USGA-OD I	STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms.	13.000			Cum. Kms. (Job)  Total Kms	0.000
ine No ine No ine No GRAVITY ine No	USGA-OD I	STN STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms.	13.000	· · ·		Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)	0.000
ine No	USGA-OD I	STN STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms.	13.000			Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	0.000 0.000 0.000
ine Noine No	USGA-OD I	STN STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms.	13.000			Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)	0.000 0.000 0.000
ine No		STN STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN	TS:		Kms. Kms. Kms. Kms. Kms. Kms. Kms.	O TAKE			Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN STN COMMENT			Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs			Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN STN COMMENT	S:		Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs			Total Kms	0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN COMMENT	S: Kms. Cut Kms. Cut		Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs			Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine No.	1 Line No	STN STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Cut	ed	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs , Hrs			Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Cut	ed	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs		Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal Hours	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine No.	1 Line No	STN STN STN STN STN STN STN STN STN STN	C	STN STN STN STN STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Cut Kms.Grade	ed	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs DADING	. #	Dets Dets	Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN STN STN STN STN STN STN STN STN STN	#Holes	STN STN STN STN STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms.Grade	ed	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs ADADING # Holes	. #		Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN STN STN STN STN STN STN STN STN STN	#Holes	STN STN STN STN STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Grade Hrs Hrs	ed	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Lms. Kms. Lms. Kms. Lms. Lms. Lms. Lms. Lms. Lms. Lms. L	Hrs Hrs Hrs Hrs DADING # Holes # Holes	. # #	Dets	Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN STN STN STN STN STN STN STN STN STN	#Holes #Holes #Holes	STN STN STN STN STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Grade Hrs Hrs Hrs	ed	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Lms. Kms. Kms. Kms.	Hrs Hrs Hrs Hrs DADING # Holes # Holes # Holes	# #	Dets Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total Hrs. (Job)  Total Hrs (Job)  Elect Dets  # Charges # Charges # Charges # Charges	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN STN STN STN STN STN STN STN STN STN	#Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms.Grade Hrs Hrs Hrs Hrs	ed	Kms. Kms. Kms. Kms. Kms. Kms. Kms. 1 2 3 4	Hrs Hrs Hrs DADING # Holes # Holes # Holes # Holes	# # #	Dets Dets Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total Hrs. (Job)  Total Hrs (Job)  Elect Dets  # Charges # Charges # Charges # Charges # Charges	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms.Grade Hrs Hrs Hrs Hrs Hrs	ed	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs DADING # Holes # Holes # Holes # Holes	# ##	Dets Dets Dets Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal HoursTotal HoursTotal Hours	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN STN STN STN STN STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN STN	Kms. Cut Kms. Cut Kms. Cut Kms.Grade Hrs Hrs Hrs Hrs Hrs	ed	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs Hrs DADING # Holes # Holes # Holes # Holes # Holes	# ##	Dets Dets Dets Dets Dets	Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

				ACE ENERG			т			
CREW 401			·	. I PRODUCT	1014	VEL OIL	· · ·	DA	TE	17-Jul-03
Client	ANSIR						Dorby Manager	Rob Stonborge		
Client							Party Manager.	Bob Stephenson		
Survey Name.	Gawler Dayby Dayma						Client Rep	David Johnston		
Area State	Roxby Downs South Australia						Weather	Fine		
State	South Australia									
RECORDING	W 5			Kms.	•	SKIPS	PROFILE			TOTALS
ine No		Rec	Rec					Profile	s	0
ine No		Rec	Rec	3				Skips.	• • • • • • •	0
ine No	•	Rec	Rec					Kms	• • • • • • • •	0.000
ine No		Rec	Rec					Cum K	(ms	0.000
ine No		Rec	Rec							
HOURS	Travel Time			Down T				Extra Charges		
	Test Time					ier		Extra Hrs		0.00
	Recording Time							Detours Charge		0.00
Other Time	Line Change							Washdowns		0.00
	Recorder Move.					s/Terr		Extra Other Cha	9	0.00
	Detours/Terrain.					Spread.		Total Extra		0.00
	Experimental		2			Damage		Total Extra(Job)		0.00
	Other Charge				Vibes .	•••••		Processing Hrs.		
	Lay Spread									
	Weather Time									
	Stock Damage				own Time		0.00	Total Day		0.00
COMMENTS:	Safety Induction	A CONTRACTOR OF THE PARTY OF TH		Cum. D	own Tim	e (Job)	0.00	Total Hrs (Job).		0.00
SURVEY ine No	03GA-OD1	STN 1375	STN	1750	Kms.	15.000			<del></del>	
ine No		STN	STN		Kms.					
ine No		STN	STN		Kms.			Total Kons		45 000
ine No ine No		STN	STN STN		Kms.			Total Kms		15.000 30.000
GRAVITY		STN	31N		Kms.			Cum. Kms. (Job	)}	30.000
ine No		STN	STN		Kms.					
ine No		STN	STN		Kms.					
ine No		STN	STN		Kms.					
ine No		STN	STN		Kms.			Total Kms		0.000
ine No		STN	STN		Kms.			Cum. Kms. (Job		0.000
RANGING			OMMEN	TS:	10.101			Committee (CC)	7	0.000
ine No		Kms								
ine No		Kms								
ine No		Kms						Total Kms		0.000
ine No		Kms						Cum. Kms. (Job	)	0.00
INE CLEAR	3.00									
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	In	Hrs.		Total Hrs (Job)		0.00
DRILLING		****			1.00	DADING		Elect Dets		
Rig No.	1 #Mtr	#Holes		Hrs	1	# Holes	# Det		Charges	
Rig No.	2 # Mtr	#Holes		Hrs	2	# Holes	# Det		Charges	
Rig No.	3 # Mtr	#Holes		Hrs	3	# Holes	# Det		Charges	
Rig No.	4 # Mtr	#Holes		Hrs	4	# Holes	# Det		Charges	
Rig No.	5 # Mtr	#Holes		Hrs	5	# Holes	# Det		Charges	
Rig No. Total # Mtr	6 # Mtr	#Holes	1 - L X	Hrs	6	# Holes	# Det		Charges	-
CALCULAT BATE		0.0 Cum # Mtr(				Holes			D)	0
otal Drilled otal Hrs		0.0 Cum Drilled 0.0 Total # Hrs			Total D		0	Cum Dets(Job) Total # Charges	/ lok	0

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				RACE E				-			
CREW 401	9		DA	LI FR	ODUCI	ION N	EFOR			DATE	. 18-Jul-03
			NE								
Client	ANSIR							Party Manag		Bob Stephenson	
Survey Name.	Gawler							Client Rep	•••	David Johnston	
\rea	Roxby Downs							Weather	•••	Fine	
State	South Australia										
RECORDING			· · ·		Kms.	-	SKIPS	PROF	II ES	****	TOTALS
ine No		Rec	Rec		Milo.		OKII O	11101	ILLO	Profiles	0
		00 40									0
ine No		Rec	Rec							Skips	-
ine No		Rec	Rec							Kms	0.000
ine No		Rec	Rec							Cum Kms	0.000
ine No		Rec	Rec						_	100000000000000000000000000000000000000	
HOURS	Travel Time				Down Ti	me -				Extra Charges	
	Test Time					Record	er			Extra Hrs	0.00
	Recording Time					Cables.				Detours Charge Hrs	0.00
Other Time	Line Change					ATI I's				WashdownsHrs	0.00
	Recorder Move			,		Detours				Extra Other Charge	0.00
	Detours/Terrain.						Spread.			Total ExtraHrs	0.00
	Experimental					Stock D				Total Extra(Job).Hrs	0.00
	QC spread					Other				Processing Hrs	
	Pick up Spread .										
	Weather Time										
	Stock Damage				Total Do	wn Time	)	0.00		Total DayHrs	0.00
	Safety Meeting				Cum. Do			0.00		Total Hrs (Job)	0.00
OMMENTS:											
SURVEY										CONTRACTOR OF THE PARTY OF THE	
ine No	03GA-OD1	STN	1750 STI	N 2250		Kms.	20.000				
ine No		STN	STI	٧		Kms.					
ine No		STN	STI	١		Kms.					
ine No		STN	STI			Kms.				Total Kms	20.000
ine No										Total Milo	20.000
						Kme				Cum Kme (loh)	50 000
CDAVITY		STN	STI	٧		Kms.				Cum. Kms. (Job)	50.000
										Cum. Kms. (Job)	50.000
GRAVITY ine No		STN	STI	٧		Kms.				Cum. Kms. (Job)	50.000
				٧						Cum. Kms. (Job)	50.000
ine No ine No		STN	STI	N N		Kms.				Cum. Kms. (Job)	50.000
ine No ine No		STN STN STN	STI STI STI	N N N		Kms. Kms.					0.000
ine Noine Noine Noine No		STN STN STN	STI STI STI STI	1 1 1 4		Kms. Kms. Kms. Kms.				Total Kms	0.000
ine Noine Noine Noine Noine Noine No		STN STN STN	STI STI STI STI STI	N N N N		Kms. Kms. Kms.					
ine Noine Noine Noine Noine No		STN STN STN STN	STI STI STI STI	N N N N		Kms. Kms. Kms. Kms.				Total Kms	0.000
ine No ine No ine No ine No ine No RANGING ine No		STN STN STN STN STN	STI STI STI STI STI	N N N N		Kms. Kms. Kms. Kms.				Total Kms	0.000
ine Noine Noine Noine Noine No		STN STN STN STN STN	STI STI STI STI STI	N N N N		Kms. Kms. Kms. Kms.				Total Kms Cum. Kms. (Job)	0.000 0.000
ine Noine Noine Noine Noine No		STN STN STN STN STN	STI STI STI STI STI	N N N N		Kms. Kms. Kms. Kms.				Total Kms	0.000 0.000
ine No ine No ine No ine No RANGING ine No ine No ine No ine No		STN STN STN STN STN	STI STI STI STI STI	N N N N		Kms. Kms. Kms. Kms.				Total Kms Cum. Kms. (Job)	0.000 0.000
ine No ine No ine No ine No  RANGING ine No ine No ine No ine No		STN STN STN STN STN Kms Kms	STI STI STI STI STI	N N N N		Kms. Kms. Kms. Kms.				Total KmsCum. Kms. (Job)	0.000 0.000
ine No ine No ine No ine No  RANGING ine No ine No ine No ine No ine No ine No	1 Line No	STN STN STN STN STN Kms Kms	STI STI STI STI STI	N N N N	л	Kms. Kms. Kms. Kms.	Hrs.			Total KmsCum. Kms. (Job)	0.000 0.000
ine No ine No ine No ine No  RANGING ine No		STN STN STN STN STN Kms Kms	STI STI STI STI STI	N N N N NTS :		Kms. Kms. Kms. Kms.				Total Kms Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)	0.000 0.000 0.000 0.000 0.000
ine No ine No ine No ine No ine No  ZANGING ine No	2 Line No	STN STN STN STN STN Kms Kms	STI STI STI STI STI	N N N NTS : Kms. Ci	t	Kms. Kms. Kms. Kms.	Hrs.			Total Kms	0.000 0.000 0.000 0.000 0.000 0.000
ine No ine No ine No ine No ANGING ine No	2 Line No	STN STN STN STN STN Kms Kms	STI STI STI STI STI	N N N NTS : Kms. Ci Kms. Ci Kms. Ci	ut ut	Kms. Kms. Kms. Kms.	Hrs. Hrs.			Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000
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ine No	1 Line No	STN STN STN STN STN STN STN STN Kms Kms Kms Kms	cc	STN STN STN STN STN STN STN STN STN	Kms. Cut Kms. Cut Kms. Cut Kms. Graded.	Kr Kr Kr Kr Kr Kr	ms.	Hrs. Hrs. Hrs. Hrs.		# Dets	Total Kms Cum. Kms. (J  Total Kms Cum. Kms. (J  Total Kms Cum. Kms. (J  Total Hours Total Hours Total Hours Total Hours	Job)	0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN STN STN STN STN STN STN STN Kms Kms Kms Kms	CC	STN STN STN STN STN STN STN STN STN	Kms. Cut Kms. Cut Kms. Cut Kms. Graded. Hrs	Kr Kr Kr Kr Kr Kr	ms.	Hrs. Hrs. Hrs. ADING # Holes		# Dets # Dets	Total Kms Cum. Kms. (J  Total Kms Cum. Kms. (J  Total Kms Cum. Kms. (J  Total Hours Total Hos (Jot Elect Dets	Job)  Job)  Job)  # Charges	0.000 0.000 0.000 0.000 0.000 0.000 0.000
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ine No in	1 Line No	STN STN STN STN STN STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN STN	Kms. Cut Kms. Cut Kms. Cut Kms. Graded. Hrs Hrs Hrs Hrs	Kr Kr Kr Kr Kr Kr Kr	ms. ms. ms. ms. ms. ms. ms. ms. 1 2 3 4	Hrs. Hrs. Hrs. ADING # Holes # Holes # Holes		# Dets # Dets # Dets	Total Kms Cum. Kms. (J  Total Kms Cum. Kms. (J  Total Kms Cum. Kms. (J  Total Kms Total Hours Total Hrs (Job  Elect Dets	Job)  Job)  # Charges # Charges # Charges # Charges # Charges # Charges	0.000 0.000 0.000 0.000 0.000 0.000 0.000
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REW 401				DAIL	PRODUC	ION	KEPUK			DATE	. 21-Jul-03
Client	ANSIR							Party Manage	r	Bob Stephenson	
Survey Name.	Gawler							Client Rep		David Johnston	
Area	Roxby Downs							Weather		Windy	
State	South Australia							**Cau161	•	windy	
Male	South Australia										
RECORDING		20.00	t hard		Kms.		SKIPS	PROFIL	.ES	as to the same	TOTALS
ine No		Rec		Rec						Profiles	0
ine No		Rec		Rec						Skips	, 0
ine No		Rec		Rec						Kms	0.000
ine No		Rec		Rec						Cum Kms	0.000
ine No		Rec		Rec							
	Travel Time		3.00		Down 1	ime -				Extra Charges	
	Test Time						der			Extra Hrs	0.00
	Recording Time	•					3			Detours Charge Hrs	0.00
ther Time	Line Change						••••••			WashdownsHrs	0.00
Auter Tille										Extra Other Charge	
	Recorder Move						s/Terr				0.00
	Detours/Terrain.						Spread.			Total ExtraHrs	0.00
	Experimental						Damage			Total Extra(Job).Hrs	0.00
	Laying & QC Sp	read	5.00			Vibes				Processing Hrs	
	Loading Spread		2.75								
	Weather Time	e									
	Stock Damage				Total D	own Tim	е	0.00		Total DayHrs	11.2
	Safety Meeting		0.50		Cum. D	own Tim	ne (Job)	0.00		Total Hrs (Job)	11.2
URVEY	2.500									***	*
10-10-10-10-10-10-10-10-10-10-10-10-10-1		STN		STN		Kms.		*****			
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ine Noine No	03GA-OD1	STN STN STN STN	1000	STN STN STN STN	1360	Kms. Kms. Kms. Kms.	14.400				
ine Noine No	03GA-OD1	STN STN STN STN	1000	STN STN STN STN STN	1360	Kms. Kms. Kms. Kms. Kms.	14.400				
ine Noine	03GA-OD1	STN STN STN STN STN STN	1000	STN STN STN STN STN STN	1360	Kms. Kms. Kms. Kms. Kms. Kms.	14.400			Cum. Kms. (Job)	90.000
ine No	03GA-OD1	STN STN STN STN STN STN STN	1000	STN STN STN STN STN STN STN	1360	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	14.400			Cum. Kms. (Job)  Total Kms	90.000
ine Noine No	03GA-OD1	STN STN STN STN STN STN	100000	STN STN STN STN STN STN STN STN		Kms. Kms. Kms. Kms. Kms. Kms.	14.400			Cum. Kms. (Job)	90.000
ine Noine No	03GA-OD1	STN STN STN STN STN STN STN STN	100000	STN STN STN STN STN STN STN		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	14.400			Cum. Kms. (Job)  Total Kms	90.000
ine Noine No	03GA-OD1	STN STN STN STN STN STN STN STN STN	100000	STN STN STN STN STN STN STN STN		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	14,400			Cum. Kms. (Job)  Total Kms	90.000
ine No	03GA-OD1	STN STN STN STN STN STN STN STN STN	100000	STN STN STN STN STN STN STN STN		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	14.400			Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	90.000 14.400 14.400
ine Noine Noi	03GA-OD1	STN STN STN STN STN STN STN STN STN	100000	STN STN STN STN STN STN STN STN		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	14.400			Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	90.000 14.400 14.400 0.000
ine Noine No.	03GA-OD1	STN STN STN STN STN STN STN STN STN	100000	STN STN STN STN STN STN STN STN		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	14.400			Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	90.000 14.400 14.400
ine Noine		STN STN STN STN STN STN STN STN STN	100000	STN STN STN STN STN STN STN STN STN	S:	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.				Cum. Kms. (Job)  Total Kms(Job)  Total Kms(Job)	90.000 14.400 14.400 0.000 0.000
ine Noine N	1 Line No	STN STN STN STN STN STN STN STN STN	100000	STN STN STN STN STN STN STN STN STN	S:	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs.			Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)	90.000 14.400 14.400 0.000 0.000
ine Noine N	1 Line No	STN STN STN STN STN STN STN STN STN	100000	STN	Kms. Cut Kms. Cut	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs.			Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Cum. Kms. (Job)	90.000 14.400 14.400 0.000 0.000 0.000 0.000
ine No ine No.	1 Line No	STN STN STN STN STN STN STN STN STN	100000	STN	Kms. Cut Kms. Cut Kms. Cut	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs.		***	Total Kms(Job)	90.000 14.400 14.400 0.000 0.000 0.000 0.000 0.000
ine No in	1 Line No	STN STN STN STN STN STN STN STN STN	100000	STN	Kms. Cut Kms. Cut	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs.		***	Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hours	90.000 14.400 14.400 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN STN STN STN STN	CC	STN	Kms. Cut Kms. Cut Kms. Cut Kms. Graded	Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. OADING			Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hours  Total Hrs (Job)	90.000 14.400 14.400 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN STN STN STN STN STN STN STN STN	CC	STN	Kms. Cut Kms. Cut Kms. Cut Kms. Graded	Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. OADING # Holes	# D	ets	Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hms(Job)  Total Hours  Total Hrs (Job)  Elect Dets  # Charges	90.000 14.400 14.400 0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN STN STN STN STN	#Holes	STN	Kms. Cut Kms. Cut Kms. Cut Kms. Graded Hrs	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Lms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes	# D # D	ets ets	Cum. Kms. (Job)  Total Kms	90.000 14.400 14.400 0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN STN STN STN STN	#Holes #Holes #Holes	STN	Kms. Cut Kms. Cut Kms. Cut Kms. Graded Hrs Hrs	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Lms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes	# D # D # D	ets ets	Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hms(Job)  Total Hours  Total Hrs (Job)  Elect Dets  # Charges	90.000 14.400 14.400 0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN STN STN STN STN	#Holes	STN	Kms. Cut Kms. Cut Kms. Cut Kms. Graded Hrs	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Lms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes	# D # D	ets ets	Cum. Kms. (Job)  Total Kms	90.000 14.400 14.400 0.000 0.000 0.000 0.000 0.000
ine No ine	1 Line No	STN STN STN STN STN STN STN STN STN	#Holes #Holes #Holes	STN	Kms. Cut Kms. Cut Kms. Cut Kms. Graded Hrs Hrs	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Lms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes	# D # D # D	eets ets ets ets	Cum. Kms. (Job)  Total Kms	90.000 14.400 14.400 0.000 0.000 0.000 0.000 0.000
ine No ine	1 Line No	STN STN STN STN STN STN STN STN STN	#Holes #Holes #Holes #Holes	STN	Kms. Cut Kms. Cut Kms. Cut Kms. Graded Hrs Hrs Hrs	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Lms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes	# D # D # D	ets ets ets ets	Cum. Kms. (Job)  Total Kms	90.000 14.400 14.400 0.000 0.000 0.000 0.000 0.000
ine No ine	1 Line No	STN STN STN STN STN STN STN STN STN Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes #Holes	STN DIMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Graded Hrs Hrs Hrs Hrs Hrs	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes # Holes	# D # D # D # D # D	ets ets ets ets ets	Cum. Kms. (Job)  Total Kms	90.000 14.400 14.400 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN O.0.0 C	#Holes #Holes #Holes #Holes #Holes #Holes Cum # Mtr(J	STN	Kms. Cut Kms. Cut Kms. Cut Kms. Graded Hrs Hrs Hrs Hrs Hrs Hrs	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Total #	Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes # Holes	# D # D # D # D # D	ets ets ets ets ets ets	Cum. Kms. (Job)  Total Kms	90.000 14.400 14.400 0.000 0.000 0.000 0.000 0.000
ine No ing No ing No. ig No.	1 Line No	STN O.0 C	#Holes #Holes #Holes #Holes #Holes #Holes	STN OMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Graded Hrs Hrs Hrs Hrs Hrs Hrs	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Total #	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes # Holes	# D # D # D # D # D	ets ets ets ets ets ets	Cum. Kms. (Job)  Total Kms	90.000 14.400 14.400 0.000 0.000 0.000 0.000 0.000

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CREW 401				DAIL	FRU	DUCTIO	ON N	EFUR		-	DATE	. 22-Jul-0
Client Survey Name. Area State	ANSIR Gawler Roxby Downs South Australia								Party Manager Client Rep Weather		Bob Stephenson David Johnston Windy	
RECORDING				10		Kms.		SKIPS	PROFIL	ÈS	-20	TOTALS
ine No	03GA-OD1	Rec	1000.0	Rec	1110.0	4.400		0	1	11	Profiles	111
ine No		Rec		Rec							Skips	0
ine No		Rec		Rec							Kms	4.40
ine No		Rec		Rec							Cum Kms	4.40
ine No		Rec		Rec							<del></del>	
IOURS	Travel Time		3.00			Down Tim					Extra Charges	
	Test Time							ег			Extra Hrs	0.00
	Recording Time		1.90								Detours Charge Hrs	0.00
Other Time	Line Change										WashdownsHrs	0.00
	Recorder Move							Terr			Extra Other Charge	0.00
	Detours/Terrain.							Spread.			Total ExtraHrs	0.00
	Experimental		3.10					amage			Total Extra(Job).Hrs	0.00
*	QC Spread		1.75			1	Vibes	• • • • • • • • • • • • • • • • • • • •			Processing Hrs	0.00
	Wait on Spread.											
	Vibs Move to sta		0.70						0.65		T.115	
	Dump Data to Di	sk	0.80			Total Dow			0.00		Total DayHrs	11.7
OMMENTS:	Safety Meeting Safety Meeting		0.50			Cum. Dov			0.00		Total Hrs (Job)	23.0
URVEY	,a		<del></del>									
SURVEY ine No	10.00	STN		STN			Kms.					7 45*
ine No ine No		STN		STN			Kms.				1.	
ine No ine No ine No		STN	n — n	STN			Kms. Kms.				Total Kms	0.000
ine Noine Noine Noine No	( <del>)</del>	STN STN STN	<del></del>	STN STN STN	SHEE	7 7 8 8 8 8 8	Kms. Kms. Kms.				Total Kms	0.000
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ine Noine No	03GA-OD1	STN STN STN STN	1360	STN STN STN STN	1920		Kms. Kms. Kms. Kms. Kms.	22.400				some one's constructions.
ine No ine No ine No ine No ine No GRAVITY ine No ine No	03GA-OD1	STN STN STN STN STN STN	1360	STN STN STN STN STN STN	1920		Kms. Kms. Kms. Kms.	22.400				some one's constructions.
ine No	03GA-OD1	STN STN STN STN	1360	STN STN STN STN	1920		Kms. Kms. Kms. Kms. Kms. Kms.	22.400			Cum. Kms. (Job)  Total Kms	90.000
ine Noine No.	03GA-OD1	STN STN STN STN STN STN STN		STN STN STN STN STN STN STN	1		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.400			Cum. Kms. (Job)	90.000
ine No	03GA-OD1	STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN	1		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.400			Cum. Kms. (Job)  Total Kms	90.000
ine No	03GA-OD1	STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN	1		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.400			Cum. Kms. (Job)  Total Kms	90.000
ine Noine No	03GA-OD1	STN STN STN STN STN STN STN STN STN Kms, Kms,		STN STN STN STN STN STN STN STN	1		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.400			Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	90.000 22.400 36.800
ine Noine No	03GA-OD1	STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN	1		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.400		2	Total Kms. (Job) Cum. Kms. (Job)	90.000 22.400 36.800
ine Noine No	03GA-OD1	STN STN STN STN STN STN STN STN STN Kms, Kms,		STN STN STN STN STN STN STN STN	1		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.400			Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	90.000 22.400 36.800 0.000 0.000
ine Noine No	03GA-OD1	STN STN STN STN STN STN STN STN STN Kms, Kms,		STN STN STN STN STN STN STN STN OMMENT	1		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.400 Hrs.			Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	90.000 22.400 36.800
ine No	1 Line No	STN STN STN STN STN STN STN STN STN Kms, Kms,		STN STN STN STN STN STN STN STN STN	S: Kms, Cut. Kms, Cut.		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.			2	Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	90.000 22.400 36.800 0.000 0.000 0.000
ine No	1 Line No 2 Line No 3 Line No	STN STN STN STN STN STN STN STN STN Kms, Kms,		STN STN STN STN STN STN STN STN	Kms, Cut. Kms, Cut. Kms, Cut. Kms, Cut.		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs.			Total Kms(Job)	90.000 22.400 36.800 0.000 0.000 0.000 0.000 0.000
ine No i	1 Line No	STN STN STN STN STN STN STN STN STN Kms, Kms,		STN STN STN STN STN STN STN STN	S: Kms, Cut. Kms, Cut.		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs.			Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hms(Job)	90.000 22.400 36.800 0.000 0.000 0.000
ine No i	1 Line No	STN STN STN STN STN STN STN STN STN Kms, Kms,	C	STN STN STN STN STN STN STN STN	Kms. Cut. Kms. Cut. Kms. Cut. Kms. Grac		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. DADING			Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hrs (Job)	90.000 22.400 36.800 0.000 0.00 0.000 0.000 0.000
ine No i	1 Line No	STN STN STN STN STN STN STN STN STN Kms, Kms,	Co	STN STN STN STN STN STN STN STN	Kms. Cut. Kms. Cut. Kms. Cut. Kms. Grac Hrs		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. DADING # Holes	# De		Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hrs. (Job)  Elect Dets  # Charges	90.000 22.400 36.800 0.000 0.000 0.000 0.000 0.000
ine No ine No.	1 Line No	STN STN STN STN STN STN STN STN STN Kms, Kms,	#Holes	STN STN STN STN STN STN STN STN	Kms. Cut. Kms. Cut. Kms. Cut. Kms. Grac Hrs Hrs		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. DADING # Holes # Holes	# De	ets	Total Kms	90.000 22.400 36.800 0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN STN STN STN STN Kms, Kms,	#Holes #Holes #Holes	STN STN STN STN STN STN STN STN	Kms. Cut. Kms. Cut. Kms. Cut. Kms. Grac Hrs Hrs		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. DADING # Holes # Holes # Holes	# De # De # De	ets ets	Total Kms	90.000 22.400 36.800 0.000 0.000 0.000 0.000 0.000
ine No i	1 Line No	STN STN STN STN STN STN STN STN STN Kms, Kms,	#Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN	Kms. Cut. Kms. Cut. Kms. Cut. Kms. Grac Hrs Hrs Hrs		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes	# De # De # De # De	ets ets ets	Total Kms	90.000 22.400 36.800 0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN STN STN STN STN Kms, Kms,	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN	Kms. Cut. Kms. Cut. Kms. Cut. Kms. Grac Hrs Hrs Hrs Hrs		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. PADING # Holes # Holes # Holes # Holes # Holes	# De # De # De # De	ets ets ets ets	Total Kms	90.000 22.400 36.800 0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN STN STN STN STN Kms Kms, Kms Kms	#Holes #Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN	Kms. Cut. Kms. Cut. Kms. Cut. Kms. Grac Hrs Hrs Hrs	 led	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes # Holes	# De # De # De # De # De	ets ets ets ets ets	Total Kms	90.000 22.400 36.800 0.000 0.000 0.000 0.000 0.000
ine No i	1 Line No	STN STN STN STN STN STN STN Kms, Kms, Kms, Kms	#Holes #Holes #Holes #Holes #Holes Cum # Mtr(J	STN	Kms. Cut. Kms. Cut. Kms. Cut. Kms. Grac Hrs Hrs Hrs Hrs	 led	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. DADING # Holes # Holes # Holes # Holes # Holes Holes	# De # De # De # De	ets ets ets ets ets	Cum. Kms. (Job)  Total Kms	90.000 22.400 36.800 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN O.00 0.00	#Holes #Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN STN (Job)	Kms. Cut. Kms. Cut. Kms. Cut. Kms. Grac Hrs Hrs Hrs Hrs	0.0 T	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes # Holes Holes	# De # De # De # De	ets ets ets ets ets	Total Kms	90.000 22.400 36.800 0.000 0.000 0.000 0.000 0.000

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CREW 401			900	DAIL	FRU	DUCI	ION I	KEFUK	To the second se	DATE	. 23-Jul-03
Client Survey Name. Area State	ANSIR Gawter Roxby Downs South Australia								Party Manager. Client Rep Weather	Bob Stephenson David Johnston Windy	
RECORDING			~ ~~			Kms.		SKIPS	PROFILES	1.7. 1.00	TOTALS
ine No			1110.0	Rec	1516.0	16.240		0	203	Profiles	203
ine No ine No		Rec Rec		Rec						Skips Kms	0 16.240
ine No		Rec		Rec Rec						Cum Kms	20.640
ine Noine No		Rec		Rec						Culli Kilis	20.040
OURS	Travel Time	A. V. S.	2.50	1100		Down Ti	me -			Extra Charges	
.001.0	Test Time		2.00			20111111		ler		Extra Hrs	0.00
	Recording Time		6.40				Cables			Detours Charge Hrs	0.00
Other Time	Line Change						ATU's.			WashdownsHrs	0.00
	Recorder Move		0.80					s/Terr		Extra Other Charge	0.00
	Detours/Terrain.							Spread.		Total ExtraHrs	0.00
	Line Break		0.10					Damage		Total Extra(Job).Hrs	0.00
	QC Spread		0.60				Other			Processing Hrs	0.00
	Dump Data to Di	sk	1.10								
	Weather Time					Total Do	Ti	_	0.00	Total Day 11-	44.00
	Stock Damage		0.20						0.00	Total DayHrs	11.80
OMMENTS:	Safety Meeting	zaduati	0.30	ctill concu	mina a l	Cum. Do			0.00 ting closer to town.	Total Hrs (Job)	34.80
URVEY	03GA-OD1	STN		STN	· ·		Kms.				
ine No ine No	03GA-OD1	STN		STN			Kms. Kms.				
ine No		STN		STN			Kms.				
ine No		STN		STN			2000000				
							Kms.			Total Kms	0.000
ine No		STN		STN			Kms. Kms.			Total Kms Cum. Kms. (Job)	0.000 90.000
										Total Kms Cum. Kms. (Job)	
GRAVITY	03GA-OD1		1920		2520			24.000			
GRAVITY .ine No	03GA-OD1	STN STN STN	1920	STN STN STN	2520		Kms.	24.000			
GRAVITY ine Noine Noine No	03GA-OD1	STN STN STN STN	1920	STN STN STN	2520		Kms.	24.000		Cum. Kms. (Job)	90.000
GRAVITY ine Noine Noine Noine Noine No	03GA-OD1	STN STN STN STN	1920	STN STN STN STN	2520		Kms. Kms. Kms. Kms.	24.000		Cum. Kms. (Job)  Total Kms	90.000
SRAVITY ine No ine No ine No ine No ine No	03GA-OD1	STN STN STN STN		STN STN STN STN STN		and the state of t	Kms. Kms. Kms. Kms.	24.000		Cum. Kms. (Job)	90.000
ERAVITY ine No ine No ine No ine No ine No EANGING	03GA-OD1	STN STN STN STN STN		STN STN STN STN			Kms. Kms. Kms. Kms.	24.000		Cum. Kms. (Job)  Total Kms	90.000
PRAVITY ine No ine No ine No ine No ine No RANGING ine No	03GA-OD1	STN STN STN STN STN		STN STN STN STN STN			Kms. Kms. Kms. Kms.	24.000		Cum. Kms. (Job)  Total Kms	90.000
ine Noine No	03GA-OD1	STN STN STN STN STN Kms Kms		STN STN STN STN STN			Kms. Kms. Kms. Kms.	24.000		Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	90.000 24.000 60.800
ERAVITY ine No ine No ine No ine No RANGING ine No ine No ine No ine No ine No	03GA-OD1	STN STN STN STN STN Kms Kms		STN STN STN STN STN			Kms. Kms. Kms. Kms.	24.000		Total Kms. (Job)  Cum. Kms. (Job)  Total Kms	90.000 24.000 60.800
GRAVITY ine No	03GA-OD1	STN STN STN STN STN Kms Kms		STN STN STN STN STN			Kms. Kms. Kms. Kms.	24.000		Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	90.000 24.000 60.800
ERAVITY ine No	03GA-OD1	STN STN STN STN STN Kms Kms		STN STN STN STN STN COMMENT			Kms. Kms. Kms. Kms.	24.000		Total Kms. (Job)  Cum. Kms. (Job)  Total Kms	90.000 24.000 60.800
ERAVITY ine No ine No ine No ine No EANGING ine No	1 Line No	STN STN STN STN STN Kms Kms		STN STN STN STN STN COMMENT	S:		Kms. Kms. Kms. Kms.			Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	90.000 24.000 60.800 0.000 0.00
ine No	1 Line No 2 Line No 3 Line No	STN STN STN STN STN Kms Kms		STN STN STN STN STN COMMENT	S: Kms. Cul		Kms. Kms. Kms. Kms.	Hrs	•	Total Kms	90.000 24.000 60.800 0.000 0.000
ine No i	1 Line No	STN STN STN STN STN Kms Kms		STN STN STN STN STN COMMENT	S: Kms. Cut Kms. Cut		Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs		Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hms  Total Hours  Total Hrs (Job)	90.000 24.000 60.800 0.000 0.000 0.000
GRAVITY ine No ine CLEAR oozer oozer oozer oozer orader	1 Line No	STN STN STN STN STN Kms Kms	(	STN STN STN STN STN COMMENT	S: Kms. Cul Kms. Cul Kms. Cul Kms. Gra		Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs OADING		Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal Hrs (Job)	90.000 24.000 60.800 0.000 0.000 0.000 0.000 0.000
GRAVITY ine No ine CLEAR oozer oozer oozer oozer oozer orader GRILLING	1 Line No	STN STN STN STN STN Kms Kms	#Holes	STN STN STN STN STN COMMENT	Kms. Cul Kms. Cul Kms. Cul Kms. Gra Hrs		Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs Hrs OADING # Holes	# Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal HoursTotal Hrs (Job)	90.000 24.000 60.800 0.000 0.000 0.000 0.000 0.000
ine No ine	1 Line No	STN STN STN STN STN Kms Kms	#Holes	STN STN STN STN STN COMMENT	Kms. Cul Kms. Cul Kms. Cul Kms. Gra Hrs Hrs		Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. OADING # Holes # Holes	# Dets # Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal Hrs (Job)  Elect Dets  # Charges # Charges	90.000 24.000 60.800 0.000 0.000 0.000 0.000 0.000
GRAVITY  ine No  INE CLEAR  lozer  lozer	1 Line No	STN STN STN STN STN Kms Kms	#Holes #Holes #Holes	STN STN STN STN STN COMMENT	Kms. Cul Kms. Cul Kms. Cul Kms. Gra Hrs Hrs		Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes	# Dets # Dets # Dets # Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal HoursTotal Hrs (Job)  Elect Dets  # Charges # Charges # Charges # Charges	90.000 24.000 60.800 0.000 0.000 0.000 0.000 0.000
GRAVITY Line No	1 Line No	STN STN STN STN STN Kms Kms	#Holes #Holes #Holes #Holes	STN STN STN STN STN COMMENT	Kms. Cul Kms. Cul Kms. Cul Kms. Gra Hrs Hrs Hrs		Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs OADING # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal HoursTotal Hrs (Job)  Elect Dets  # Charges # Charges # Charges # Charges # Charges	90.000 24.000 60.800 0.000 0.000 0.000 0.000 0.000
GRAVITY Line No Li	1 Line No	STN STN STN STN STN Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Gra Hrs Hrs Hrs Hrs		Kms. Kms. Kms. Kms. Kms.  Kms. 4	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets	Total Kms	90.000 24.000 60.800 0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN	Kms. Cul Kms. Cul Kms. Cul Kms. Gra Hrs Hrs Hrs	ded	Kms. Kms. Kms. Kms. Kms.  Kms. 4 5	Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms	90.000 24.000 60.800 0.000 0.000 0.000 0.000 0.000
ERAVITY ine No	1 Line No	STN STN STN STN STN Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes Cum # Mtre	STN STN STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Gra Hrs Hrs Hrs Hrs	ded	Kms. Kms. Kms. Kms. Kms. Kms.  Kms.  Total	Hrs Hrs Hrs Hrs OADING # Holes # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms	90.000 24.000 60.800 0.000 0.000 0.000 0.000 0.000
ine No ine	1 Line No	STN STN STN STN STN Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Gra Hrs Hrs Hrs Hrs	0.0 0.0	Kms. Kms. Kms. Kms. Kms. Kms.  Kms.  Total	Hrs Hrs Hrs Hrs OADING # Holes # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms	90.000 24.000 60.800 0.000 0.000 0.000 0.000 0.000

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REW 401	W se.		DAIL	FRU	ווייסט	UN F	CEPURI		DATE	24-Jul-03
Client Survey Name.	ANSIR Gawler							Party Manager. Client Rep	Bob Stephenson David Johnston	
rea	Roxby Downs							Weather	Fine	
state	South Australia							110001101	T IIIO	
	Courridonana									
RECORDING	· · · · · · · · · · · · · · · · · · ·		<del>*** * ****</del> * *		Kms.		SKIPS	PROFILES	*	TOTALS
ine No	03GA-OD1	Rec 15	16.0 Rec	1960.0	17.760		3	220	Profiles	220
ine No		Rec	Rec						Skips	3
ine No		Rec	Rec						Kms	17.760
ine No		Rec	Rec						Cum Kms	38.400
ine No		Rec	Rec							
IOURS	Travel Time	2	.30		Down Ti				Extra Charges	
	Test Time						ler		Extra Hrs	0.00
	Recording Time	6	.90						Detours Charge Hrs	0.00
Other Time	Line Change					2000			WashdownsHrs	0.00
	Recorder Move	0	.70				s/Terr		Extra Other Charge	0.00
	Detours/Terrain.						Spread.		Total ExtraHrs	0.00
	Experimental	_	00				Damage		Total Extra(Job).Hrs	0.00
	QC Spread	. 0	.80			Other			Processing Hrs	0.00
	Wait on Spread.									
	Weather Time		••			•				44.00
	DumpTapes		.30		Total Do			0.00	Total DayHrs	11.30
OMMENTS:	Safety Meeting		.30 travel time slow		Cum. Do			0.00	Total Hrs (Job)	46.10
ine No ine No	03GA-OD1	STN STN	STN STN	ė.		Kms. Kms.		Ran and observe	d control.	
ine No		STN	STN			Kms.				
ine No		STN	STN			Kms.			Total Kms	0.000
ine No		STN	STN			Kms.			Cum. Kms. (Job)	90.000
GRAVITY										
ine No			EOO CTNI	3140		Kms.	24.800			
	03GA-OD1	STN 25	520 STN			MIIIS.				
ine No	03GA-OD1	STN	STN			Kms.				
	03GA-OD1	STN	STN STN			Kms. Kms.				
ine No ine No ine No	03GA-OD1	STN STN STN	STN STN STN		æ	Kms. Kms. Kms.			Total Kms	24.800
ine No ine No ine No ine No	03GA-OD1	STN	STN STN STN STN		æ	Kms. Kms.			Total Kms	24.800 85.600
ine Noine Noine Noine No	03GA-OD1	STN STN STN	STN STN STN	'S :		Kms. Kms. Kms.				
ine Noine Noine Noine No	03GA-OD1	STN STN STN STN	STN STN STN STN	's:	25	Kms. Kms. Kms.				
ine Noine Noine Noine No	03GA-OD1	STN STN STN STN	STN STN STN STN	S:		Kms. Kms. Kms.	y		Cum. Kms. (Job)	85.600
ine Noine Noine No	03GA-OD1	STN STN STN STN	STN STN STN STN	rs:		Kms. Kms. Kms.			Cum. Kms. (Job)  Total Kms	0.000
ine No ine No ine No  CANGING ine No ine No ine No ine No	03GA-OD1	STN STN STN STN	STN STN STN STN	'S:		Kms. Kms. Kms.	<i>,</i> , , , , , , , , , , , , , , , , , ,		Cum. Kms. (Job)	85.600
ine No ine No ine No  ZANGING ine No ine No ine No ine No ine No ine No		STN STN STN STN	STN STN STN STN COMMENT	7		Kms. Kms. Kms.	Uro		Total Kms. (Job)  Cum. Kms. (Job)	0.000 0.00
ine No ine No ine No  EANGING ine No ine No ine No ine No ine No INE CLEAR	1 Line No	STN STN STN STN	STN STN STN STN COMMENT	Kms. Cut		Kms. Kms. Kms.	Hrs. Hrs		Total Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms	0.000 0.000 0.000
ine No ine No ine No  CANGING ine No ine No ine No ine No ine No INE CLEAR Oozer	1 Line No	STN STN STN STN	STN STN STN STN COMMENT	Kms. Cut Kms. Cut	l	Kms. Kms. Kms.	Hrs.		Total Kms. (Job)  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	0.000 0.000 0.000 0.000
ine No ine No ine No ANGING ine No	1 Line No 2 Line No 3 Line No	STN STN STN STN	STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut	L	Kms. Kms. Kms.	Hrs. Hrs.		Total Kms. (Job)  Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Hours	0.000 0.00 0.00 0.00 0.000 0.000 0.00
ine No ine No ine No ANGING ine No i	1 Line No	STN STN STN STN	STN STN STN STN COMMENT	Kms. Cut Kms. Cut	L	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs.		Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Hours  Total Hrs (Job)	0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN Kms Kms Kms Kms	STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Gra	L	Kms. Kms. Kms. Kms.	Hrs. Hrs.	# Dets	Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Hours  Total Hrs (Job)	0.000 0.000 0.00 0.000 0.000 0.000
ine No	1 Line No 2 Line No 3 Line No	STN STN STN STN Kms Kms Kms Kms	STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut	L	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. OADING		Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Hours  Total Hrs (Job)	0.000 0.000 0.00 0.000 0.000 0.000
ine No ine No ine No ZANGING ine No in	1 Line No	STN STN STN STN Kms Kms Kms Kms	STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms.Gra	L	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. OADING # Holes	# Dets	Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Hours  Total Hrs (Job)  Elect Dets	0.000 0.00 0.00 0.00 0.000 0.000 0.00
ine No ine No ine No  VANGING ine No ine	1 Line No	STN STN STN STN Kms Kms Kms Kms	STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Cut Kms.Gra Hrs Hrs	L	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. OADING # Holes # Holes	# Dets # Dets	Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Hours Total Hrs (Job)  Elect Dets  # Charges # Charges	0.000 0.000 0.000 0.000 0.000 0.000
ine No ine No ine No  ZANGING ine No in	1 Line No	STN STN STN STN Kms Kms Kms Kms	STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Grad Kms. Grad Hrs Hrs	L	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes	# Dets # Dets # Dets	Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Hours Total Hrs (Job)  Elect Dets  # Charges # Charges # Charges	0.000 0.000 0.000 0.000 0.000 0.000
ine No i	1 Line No	STN STN STN STN Kms Kms Kms Kms	STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Gra Hrs Hrs Hrs Hrs	L	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets	Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hrs (Job)  Elect Dets  # Charges # Charges # Charges # Charges # Charges	0.000 0.00 0.00 0.00 0.000 0.000 0.00
ine No ine No ine No  CANGING ine No ine No ine No ine No ine No INE CLEAR Oozer	1 Line No	STN STN STN STN Kms Kms Kms Kms	STN STN STN COMMENT  Holes Holes Holes Holes Holes Holes	Kms. Cut Kms. Cut Kms. Gra Hrs Hrs Hrs Hrs	ded	PRE LO	Hrs. Hrs. Hrs. OADING # Holes	# Dets # Dets # Dets # Dets # Dets	Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hrs (Job)  Elect Dets  # Charges # Charges # Charges # Charges # Charges # Charges	0.000 0.000 0.00 0.000 0.000 0.000
ine No ine No ine No  CANGING ine No ine	1 Line No	STN STN STN STN Kms Kms Kms Kms Kms	STN STN STN STN COMMENT	Kms. Cut Kms. Cut Kms. Gra Hrs Hrs Hrs Hrs	ded	PRE LO	Hrs. Hrs. Hrs. OADING # Holes	# Dets # Dets # Dets # Dets # Dets	Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine	1 Line No	STN STN STN STN Kms Kms Kms Kms Kms Cms	STN STN STN STN COMMENT  Holes	Kms. Cut Kms. Cut Kms. Gra Hrs Hrs Hrs Hrs	0.0 0.0	PRE LO	Hrs. Hrs. Hrs. Hrs. OADING # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms. (Job)  Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Hours  Total Hrs (Job)  Elect Dets  # Charges # Charges # Charges # Charges # Charges # Charges Cum #Holes(Job)	0.000 0.000 0.000 0.000 0.000 0.000

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REW 401				DAIL	· rico	DOCT	OI4 IN	LIONI	-		DATE	. 25-Jul-03
Client Survey Name. Area State	ANSIR Gawler Roxby Downs South Australia	ŧ							Party Mana Client Rep. Weather		Bob Stephenson David Johnston Light Rain	
RECORDING					20	Kms.		SKIPS	PRO	FILES		TOTALS
ine No		Rec	1960.0	Rec	2392.0	17.280		0		216	Profiles	216
ine No		Rec		Rec							Skips	0
ine No	30	Rec		Rec							Kms	17.28
ine No		Rec		Rec							Cum Kms	55.68
ine No	The state of the s	Rec		Rec								
IOURS	Travel Time		2.00			Down Tir					Extra Charges	
	Test Time							er			Extra Hrs	0.00
	Recording Time		6.80								Detours Charge Hrs	0.00
ther Time	Line Change										WashdownsHrs	0.00
	Recorder Move		0.60					s/Terr			Extra Other Charge	0.00
	Detours/Terrain.						W/on	Spread.			Total ExtraHrs	0.00
	Experimental						Stock D	amage			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 Dov	vn Time	<b>3</b>	0.00		Total DayHrs	11.00
	Safety Meeting		0.30			Cum. Do	wn Time	e (Job)	0.00	4	Total Hrs (Job)	57.10
URVEY ne No ne No	03GA-OD1	STN STN	3250	STN	3750		Kms. Kms.	20.000				
		STN										
ine No ine No		STN		STN STN			Kms. Kms.				Total Kms	20.000
ine No		STN		STN			Kms.				Cum. Kms. (Job)	110.000
RAVITY		0114		0111			rans.				Outri. 14113. (00D)	110.000
ine No	03GA-OD1	STN	3140	STN	3190		Kms.	2.000				
ine No	000/(02)	STN	0110	STN	0.00		Kms.	2.000				
ine No		STN		STN			Kms.					
ine No				STN			Kms.				Total Kms	2.000
				O							ATTAC	2.000
		STN		STN							Cum kms (Jon)	87 600
ine No		STN		STN	S:		Kms.				Cum. Kms. (Job)	87.600
ine No		STN		STN COMMENT	S:			**	2		Cum. Kms. (Job)	87.600
ine No	· · · · · · · · · · · · · · · · · · ·				S:				4		Cum. Kms. (Job)	87.600
ine No RANGING ine No		STN			S:						, , , , , , , , , , , , , , , , , , , ,	0.000
ANGING ine No ine No ine No		Kms Kms Kms			S:			· ·	2	· · · · · · · · · · · · · · · · · · ·	Total Kms	0.000
ine No RANGING ine No ine No ine No ine No	Survey crew had	Kms Kms Kms Kms		COMMENT	ind on	VENNUE - I			-	******	, , , , , , , , , , , , , , , , , , , ,	
ine No RANGING ine No	Survey crew had	Kms Kms Kms Kms		COMMENT	er.			Hrs.		77.4 72.4.1	Total Kms	0.000
ine No  ANGING ine No ine No ine No ine No INE CLEAR	1 Line No	Kms Kms Kms Kms		COMMENT	ind on			Hrs. Hrs.			Total Kms Cum. Kms. (Job)	0.000 0.00
ine No ANGING ine No ine No ine No INE CLEAR lozer	and the second second	Kms Kms Kms Kms		COMMENT gravity met	er. Kms. Cut						Total KmsCum. Kms. (Job)	0.000 0.00
ine Noine	1 Line No	Kms Kms Kms Kms		COMMENT gravity met	er. Kms. Cut Kms. Cut			Hrs.			Total Kms Cum. Kms. (Job)  Total Kms Cum. Kms. (Job) Total Hours	0.000 0.00 0.000 0.000
ine No  ANGING ine No ine No ine No INE CLEAR lozer lozer lozer	1 Line No	Kms Kms Kms Kms		COMMENT gravity met	er. Kms. Cut Kms. Cut Kms. Cut	ded	Kms.	Hrs. Hrs.			Total Kms Cum. Kms. (Job),  Total Kms Cum. Kms. (Job)	0.000 0.00 0.000 0.000 0.000
ine No ANGING ine No ine No ine No INE CLEAR iozer iozer iozer iozer iozer iozer	1 Line No	Kms Kms Kms Kms		COMMENT gravity met	er. Kms. Cut Kms. Cut Kms. Cut	ded	Kms.	Hrs. Hrs. Hrs.		Dets	Total Kms	0.000 0.00 0.000 0.000 0.000 0.00
ine No  ANGING ine No ine No ine No INE CLEAR iozer iozer iozer iozer irader RILLING ig No.	1 Line No	Kms Kms Kms Kms	ms with ç	COMMENT gravity met	er. Kms. Cut Kms. Cut Kms. Cut Kms. Gra	ded	Kms.	Hrs. Hrs. Hrs. DADING	#	Dets Dets	Total Kms	0.000 0.00 0.000 0.000 0.000 0.00
ine No ANGING ine No ine No ine No INE CLEAR lozer	1 Line No	Kms Kms Kms Kms	ms with ç	gravity met	er. Kms. Cut Kms. Cut Kms. Cut Kms.Gra	ded	PRE LC	Hrs. Hrs. Hrs. DADING # Holes	##		Total Kms Cum. Kms. (Job)  Total Kms Cum. Kms. (Job) Total Hours Total Hrs (Job) Elect Dets	0.000 0.00 0.000 0.000 0.000 0.00
ine No  ANGING ine No ine No ine No ine No ine No ine No ine Ozer iozer iozer irader RILLING idg No. idg No.	1 Line No	Kms Kms Kms Kms	#Holes	gravity met	er. Kms. Cut Kms. Cut Kms. Gra Kms. Gra Hrs Hrs	ded	PRE LC	Hrs. Hrs. Hrs. DADING # Holes # Holes	#######################################	Dets	Total Kms Cum. Kms. (Job)  Total Kms Cum. Kms. (Job) Total Hours Total Hs (Job) Elect Dets # Charges # Charges	0.000 0.00 0.000 0.000 0.000 0.00
ine No  ANGING ine No ine No ine No ine No ine No ine Ozer lozer lozer irader irituling ig No. ig No. ig No. ig No.	1 Line No	Kms Kms Kms Kms	#Holes #Holes #Holes	gravity met	er. Kms. Cut Kms. Cut Kms. Gra Hrs Hrs Hrs	ded	PRE LC	Hrs. Hrs. Hrs. DADING # Holes # Holes # Holes	#######################################	Dets Dets	Total Kms	0.000 0.00 0.000 0.000 0.000 0.00
ine No  ANGING ine No ine No ine No ine No ine No ine Ozer lozer lozer israder irilling ig No. ig No. ig No. ig No. ig No.	1 Line No	Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	gravity met	ker. Kms. Cut Kms. Cut Kms. Gra Hrs Hrs Hrs Hrs	ded	PRE LC	Hrs. Hrs. Hrs. DADING # Holes # Holes # Holes # Holes	######################################	Dets Dets Dets Dets	Total Kms	0.000 0.00 0.000 0.000 0.00 0.00
ine No  ANGING ine No igen No iggno iggno iggno iggno iggno iggno	1 Line No	Kms Kms Kms Kms d probles	#Holes #Holes #Holes #Holes #Holes #Holes	gravity met	Kms. Cut Kms. Cut Kms. Cut Kms. Gra Hrs Hrs Hrs Hrs	ded	PRE LC 1 2 3 4 5 6	Hrs. Hrs. Hrs. DADING # Holes # Holes # Holes # Holes # Holes # Holes	#######################################	Dets Dets Dets Dets Dets	Total Kms Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Hours  Total Hrs (Job)  Elect Dets  # Charges # Charges # Charges # Charges # Charges # Charges	0.000 0.00 0.000 0.000 0.00 0.00
ine No  ANGING ine No igg No	1 Line No	Kms Kms Kms Kms I problem	#Holes #Holes #Holes #Holes #Holes #Holes	gravity med	Kms. Cut Kms. Cut Kms. Cut Kms. Gra Hrs Hrs Hrs Hrs	ded	PRE LC 1 2 3 4 5 6 Total #	Hrs. Hrs. Hrs. DADING # Holes # Holes # Holes # Holes # Holes	#######################################	Dets Dets Dets Dets	Total Kms	0.000 0.00 0.000 0.000 0.00 0.00

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				5/15/15				VICES REPORT	•		
REW 401				DAIL	1 PKC	DUCT	ION F	KEPUK		DATE	26-Jul-03
client Survey Name. Statestate	ANSIR Gawler Roxby Downs South Australia								Party Manager. Client Rep Weather	Bob Stephenson David Johnston Fine	
RECORDING						Kms.		SKIPS	PROFILES		TOTALS
ine No	. 403GA-OD1	Rec	2393.0	Rec	2844.0	18.080		0	226	Profiles	226
ine No		Rec		Rec						Skips	0
ine No	D.I.	Rec		Rec						Kms	18.08
ine No		Rec		Rec						Cum Kms	73.76
ine No		Rec		Rec							
IOURS	Travel Time		1.70			Down Ti	me -		Ni sala-	Extra Charges	
	Test Time							ler		Extra Hrs	0.00
	Recording Time		7.00							Detours Charge Hrs	0.00
Other Time	Line Change		0.3.705							WashdownsHrs	0.00
	Recorder Move.		0.90					s/Terr		Extra Other Charge	0.00
	Detours/Terrain.							Spread.		Total ExtraHrs	0.00
	Experimental							Damage		Total Extra(Job).Hrs	0.00
	Other									Processing Hrs	0.00
	QC Spread		1.10				•			r recessing theman	0.00
	Weather Time										
	Stock Damage					Total Do	wn Time	е	0.00	Total DayHrs	11.00
	Safety Meeting		0.30			Cum. Do			0.00	Total Hrs (Job)	68.10
URVEY						MARINE - 11 - 11 - 11 - 11 - 11 - 11 - 11 -					
ine No	03GA-OD1	STN		STN			Kms.				
ine No		STN		STN			Kms.				
ine No		STN		STN			Kms.			L	
ine No		STN		STN			Kms.			Total Kms	0.000
						250					
ine No		STN		STN			Kms.			Cum. Kms. (Job)	110.000
RAVITY	2004.004				0750		960	00.400		Cum. Kms. (300)	110.000
RAVITY ine No	03GA-OD1	STN	3190	STN	3750		Kms.	22.400	*	Cum, Kms. (Job)	110.000
RAVITY ine No ine No	03GA-OD1	STN STN	3190	STN STN	3750		Kms. Kms.	22.400	Ð	Cum. Kms. (Job)	110.000
SRAVITY ine No ine No ine No	03GA-OD1	STN STN STN	3190	STN STN STN	3750		Kms. Kms. Kms.	22.400	,		
RAVITY ine No ine No ine No	03GA-OD1	STN STN STN STN	3190	STN STN STN STN	3750		Kms. Kms. Kms. Kms.	22.400	,	Total Kms	22.400
RAVITY ine No ine No ine No ine No ine No	03GA-OD1	STN STN STN		STN STN STN STN STN		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Kms. Kms. Kms.	22.400			
RAVITY ine No ine No ine No ine No ine No ine No	03GA-OD1	STN STN STN STN STN		STN STN STN STN			Kms. Kms. Kms. Kms.	22.400		Total Kms	22.400
RAVITY ine No ine No ine No ine No ine No RANGING ine No	03GA-OD1	STN STN STN STN STN		STN STN STN STN STN			Kms. Kms. Kms. Kms.	22.400		Total Kms	22.400
RAVITY ine No	03GA-OD1	STN STN STN STN STN Kms		STN STN STN STN STN			Kms. Kms. Kms. Kms.	22.400		Total Kms Cum. Kms. (Job)	22.400 110.000
RAVITY ine No	03GA-OD1	STN STN STN STN STN Kms Kms		STN STN STN STN STN		, , , , , , , , , , , , , , , , , , , ,	Kms. Kms. Kms. Kms.	22.400		Total KmsCum. Kms. (Job)	22.400 110.000
RAVITY ine No ine No ine No ine No ANGING ine No ine No ine No ine No ine No	03GA-OD1	STN STN STN STN STN Kms		STN STN STN STN STN			Kms. Kms. Kms. Kms.	22.400		Total Kms Cum. Kms. (Job)	22.400 110.000
RAVITY ine No ine No ine No ine No ANGING ine No	-	STN STN STN STN STN Kms Kms		STN STN STN STN STN	īs:		Kms. Kms. Kms. Kms.			Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)	22.400 110.000 0.000 0.000
RAVITY ine No ine No ine No ine No ine No ANGING ine No INE CLEAR	1 Line No	STN STN STN STN STN Kms Kms		STN STN STN STN STN	rs:		Kms. Kms. Kms. Kms.	Hrs.		Total KmsCum. Kms. (Job)  Total Kms	22.400 110.000 0.000 0.000 0.000
RAVITY ine No ine No ine No ine No ANGING ine No INE CLEAR	1 Line No	STN STN STN STN STN Kms Kms		STN STN STN STN STN	Kms. Cur Kms. Cur	t	Kms. Kms. Kms. Kms.	Hrs. Hrs.		Total Kms	22.400 110.000 0.000 0.000 0.000 0.000
RAVITY ine No ine No ine No ine No ANGING ine No ine	1 Line No 2 Line No 3 Line No	STN STN STN STN STN Kms Kms		STN STN STN STN STN	Kms. Cur Kms. Cur Kms. Cur Kms. Cur	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs.		Total Kms	22.400 110.000 0.000 0.000 0.000 0.000 0.000
RAVITY ine No ine No ine No ANGING ine No ine	1 Line No	STN STN STN STN STN Kms Kms		STN STN STN STN STN	Kms. Cur Kms. Cur	t t	Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs.		Total Kms	22.400 110.000 0.000 0.000 0.000 0.000
RAVITY ine No ine	1 Line No 2 Line No 3 Line No	STN STN STN STN STN Kms Kms		STN STN STN STN STN	Kms. Cu Kms. Cu Kms. Cu Kms. Cu Kms. Gra	t t	Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs.		Total Kms	22.400 110.000 0.000 0.000 0.000 0.000 0.000
RAVITY ine No ine Rozer iozer iozer irader RILLING ig No.	1 Line No	STN STN STN STN STN Kms Kms	(	STN STN STN STN STN	Kms. Cur Kms. Cur Kms. Cur Kms. Gra Hrs	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. OADING		Total Kms	22.400 110.000 0.000 0.000 0.000 0.000 0.000
RAVITY ine No ine N	1 Line No	STN STN STN STN STN Kms Kms	#Holes	STN STN STN STN STN	Kms. Cu Kms. Cu Kms. Cu Kms. Cu Kms. Gra	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. OADING # Holes	# Dets	Total Kms	22.400 110.000 0.000 0.000 0.000 0.000 0.000
RAVITY ine No ine N	1 Line No	STN STN STN STN STN Kms Kms	#Holes	STN STN STN STN STN	Kms. Cur Kms. Cur Kms. Cur Kms. Gra Hrs Hrs	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes	# Dets # Dets	Total Kms	22.400 110.000 0.000 0.000 0.000 0.000 0.000
RAVITY ine No	1 Line No	STN STN STN STN STN Kms Kms	#Holes #Holes #Holes #Holes	STN STN STN STN STN	Kms. Cur Kms. Cur Kms. Cur Kms. Gra Hrs Hrs Hrs	t t	Kms. Kms. Kms. Kms. 1 2 3	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes	# Dets # Dets # Dets	Total Kms	22.400 110.000 0.000 0.000 0.000 0.000 0.000
RAVITY ine No ine No.	1 Line No	STN STN STN STN STN Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN	Kms. Cur Kms. Cur Kms. Cur Kms. Gra Hrs Hrs	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes	# Dets # Dets # Dets # Dets	Total Kms	22.400 110.000 0.000 0.000 0.000 0.000 0.000
RAVITY ine No ine No ine No ine No ine No ANGING ine No INE CLEAR	1 Line No	STN STN STN STN Kms Kms Kms Kms	#Holes #Holes #Holes #Holes	STN STN STN STN COMMENT	Kms. Cur Kms. Cur Kms. Cur Kms. Gra Hrs Hrs Hrs Hrs Hrs	t t ded	Kms. Kms. Kms. Kms. 1 2 3 4 5 6	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms	22.400 110.000 0.000 0.000 0.000 0.000 0.000
RAVITY ine No i	1 Line No	STN STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN COMMENT	Kms. Cur Kms. Cur Kms. Cur Kms. Gra Hrs Hrs Hrs Hrs Hrs	t tded	Kms. Kms. Kms. Kms. Total#	Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms	22.400 110.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine	1 Line No	STN STN STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes Cum # Mtn	STN STN STN STN COMMENT	Kms. Cur Kms. Cur Kms. Cur Kms. Gra Hrs Hrs Hrs Hrs Hrs	0.0 0.0	Kms. Kms. Kms. Kms. Total#	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms	22.400 110.000 0.000 0.000 0.000 0.000 0.000 0.000

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REW 401											DATE	. 27-Jul-03
Client Survey Name. Area State	ANSIR Gawler Roxby Downs South Australia								Party Mar Client Rep Weather	o	Bob Stephenson David Johnston Windy	
RECORDING		* *				Kms.		SKIPS	PRO	OFILES		TOTALS
ine No		Rec 2	2844.0	Rec	3364.0	20.800		0		260	Profiles	260
ine No		Rec		Rec							Skips	0
ine No ine No		Rec Rec		Rec							Kms Cum Kms	20.800 94.560
ine No		Rec		Rec Rec							Cum Kms	94.500
HOURS	Travel Time		1.30	1100		Down Ti	me -				Extra Charges	
,00,10	Test Time							ier			Extra Hrs	0.00
	Recording Time		8.00								Detours Charge Hrs	0.00
Other Time	Line Change						ATU's				WashdownsHrs	0.00
	Recorder Move		0.50					s/Terr			Extra Other Charge	0.00
	Detours/Terrain.							Spread.			Total ExtraHrs	0.00
	Experimental							Damage			Total Extra(Job).Hrs	0.00
	Other Charge						Other				Processing Hrs	0.00
	QC Spread		0.90									
	Weather Time					T.4 15	-	_	0.00		T-4-10	44.00
	Stock Damage		0.20			Total Do			0.00		Total DayHrs	11.00
COMMENTS:	Safety Meeting  Excelent days		0.30	a local no		Cum. Do			0.00		Total Hrs (Job)	79.10
URVEY ine No	03GA-OD1	STN	3750	STN	4250		Kms.	20.000				
_ine No		STN		STN			Kms.					
ine No		STN STN		STN			Kms. Kms.					
ine No ine No		STN		STN STN			Kms.				Total Kms	20.000
ine No ine No ine No	-,=	STN		STN			Kms.				Total Kms Cum. Kms. (Job)	20.000 130.000
ine Noine No ine No CHAINING	0304 004	STN STN STN	2750	STN STN STN	4420		Kms. Kms. Kms.	44.000				
ine Noine No Line No CHAINING Line No	03GA-OD1 ·	STN STN STN	3750	STN STN STN	4120		Kms. Kms. Kms.	14.800	,,,,	*****		
ine Noine No ine No CHAINING ine No	03GA-OD1 ·	STN STN STN STN	3750	STN STN STN STN	4120		Kms. Kms. Kms. Kms.	14.800				
ine No ine No ine No CHAINING ine No ine No	03GA-OD1	STN STN STN STN STN STN	3750	STN STN STN STN STN STN	4120		Kms. Kms. Kms. Kms. Kms.	14.800			Cum. Kms. (Job)	130.000
ine Noine No  CHAINING  ine No  ine No  ine No  ine No	03GA-OD1	STN STN STN STN STN STN	3750	STN STN STN STN STN STN STN	4120	_	Kms. Kms. Kms. Kms. Kms. Kms. Kms.	14.800			Cum. Kms. (Job)  Total Kms	130.000
ine No ine No CHAINING ine No ine No ine No ine No	03GA-OD1	STN STN STN STN STN STN		STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms.	14.800			Cum. Kms. (Job)	130.000
ine No ine No CHAINING ine No ine No ine No ine No ine No	03GA-OD1	STN STN STN STN STN STN		STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms.	14.800			Cum. Kms. (Job)  Total Kms	130.000
ine No ine No CHAINING ine No ine No ine No ine No ZANGING ine No	03GA-OD1	STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms.	14.800		****	Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	14.800 124.800
ine Noine No ine No CHAINING ine No	03GA-OD1	STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms.	14.800			Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	14.800 124.800 0.000
ine No ine No CHAINING ine No ine No ine No ine No RANGING ine No	03GA-OD1	STN STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms.	14.800			Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	14.800 124.800
ine No ine No CHAINING ine No	,	STN STN STN STN STN STN STN STN Kms Kms Kms		STN STN STN STN STN STN STN STN	S:		Kms. Kms. Kms. Kms. Kms. Kms. Kms.	1 100			Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	14.800 124.800 0.000 0.000
ine No ine No CHAINING ine No	1 Line No	STN STN STN STN STN STN STN STN Kms Kms Kms		STN STN STN STN STN STN STN STN STN	S: Kms. Cu		Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs			Total Kms(Job)  Total Kms	14.800 124.800 0.000 0.000
ine No ine No CHAINING ine No	1 Line No	STN STN STN STN STN STN STN STN Kms Kms Kms		STN	S: Kms. Cu Kms. Cu	t	Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs			Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)	14.800 124.800 0.000 0.000 0.000 0.000
Line No Line No CHAINING Line No LINE CLEAR Dozer Dozer	1 Line No 2 Line No 3 Line No	STN STN STN STN STN STN STN STN Kms Kms Kms		STN	S: Kms. Cu Kms. Cu Kms. Cu Kms. Cu	t t	Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs			Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Hours	14.800 124.800 0.000 0.000 0.000 0.000 0.000
ine No ine	1 Line No	STN STN STN STN STN STN STN STN Kms Kms Kms		STN	S: Kms. Cu Kms. Cu	t t	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs Hrs			Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hrs (Job)	14.800 124.800 0.000 0.000 0.000 0.000
ine No ine	1 Line No 2 Line No 3 Line No 1 Line No	STN STN STN STN STN STN STN Kms Kms Kms Kms	C	STN	Kms. Cu Kms. Cu Kms. Cu Kms. Gra	t t	Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs Hrs		# Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal Hrs (Job)	14.800 124.800 0.000 0.00 0.000 0.000 0.000 0.000
ine No ine	1 Line No	STN STN STN STN STN STN STN Kms Kms Kms Kms	#Holes	STN	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs	t t	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs OADING # Holes		# Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal HoursTotal Hrs (Job)	130.000 14.800 124.800 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No 2 Line No 3 Line No 1 Line No	STN STN STN STN STN STN STN Kms Kms Kms Kms	C	STN	Kms. Cu Kms. Cu Kms. Cu Kms. Gra	t t	Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs Hrs		# Dets # Dets # Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal Hrs (Job)	130.000 14.800 124.800 0.000 0.000 0.000 0.000 0.000
Line No Li	1 Line No	STN STN STN STN STN STN STN Kms Kms Kms Kms	#Holes	STN	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs Hrs	t t	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Lms. Lms. Lms. Lms. Lms. Lms. Lms. L	Hrs Hrs Hrs Wrs OADING # Holes # Holes		# Dets # Dets # Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal HoursTotal Hrs (Job)  Elect Dets  # Charges # Charges	14.800 124.800 0.000 0.000 0.000 0.000 0.000 0.000
Line No	1 Line No	STN STN STN STN STN STN STN Kms Kms Kms Kms	#Holes #Holes #Holes	STN	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs Hrs Hrs	t t	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Tms. Kms.	Hrs Hrs Hrs OADING # Holes # Holes # Holes		# Dets # Dets # Dets # Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal HoursTotal Hrs (Job)  Elect Dets  # Charges # Charges # Charges	14.800 124.800 0.000 0.000 0.000 0.000 0.000
Line No Line N	1 Line No	STN STN STN STN STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN STN	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs Hrs Hrs	t tded	Kms. Kms. Kms. Kms. Kms. Kms. Kms. 4 5	Hrs Hrs Hrs Hrs OADING # Holes # Holes # Holes # Holes # Holes		# Dets # Dets # Dets # Dets # Dets	Total Kms	14.800 124.800 0.000 0.000 0.000 0.000 0.000 0.000
Line No Line No.	1 Line No	STN STN STN STN STN STN STN Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes wm # Mtr(	STN	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs Hrs Hrs Hrs	t tded	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Total #	Hrs Hrs Hrs Hrs OADING # Holes # Holes # Holes # Holes # Holes # Holes		# Dets # Dets # Dets # Dets # Dets 0	Total Kms	130.000 14.800 124.800 0.000 0.000 0.000 0.000 0.000
Line No Line	1 Line No	STN STN STN STN STN STN STN STN Kms Kms Kms Kms Kms	#Holes #Holes #Holes #Holes um # Mtr( um Drilled	STN	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs Hrs Hrs Hrs	t tded	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Total #	Hrs Hrs Hrs Hrs OADING # Holes # Holes # Holes # Holes # Holes # Holes		# Dets # Dets # Dets # Dets # Dets	Total Kms	14.800 124.800 0.000 0.000 0.000 0.000 0.000 0.000

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						NERGY		VICES REPORT	-			
CREW 401				DAIL	I FR	DUCT	ION F	CEPURI			DATE	. 28-Jul-03
Client Survey Name. Area State	ANSIR Gawler Roxby Downs South Australia								Party Mana Client Rep Weather		Bob Stephenson David Johnston Fine	
RECORDING		41.00				Kms.		SKIPS	PRO	FILES	1200	TOTALS
ine No		Rec	3364.0	Rec	3862.0	19.920		0		256	Profiles	256
.ine No		Rec		Rec							Skips	0
ine No		Rec		Rec							Kms	19.920
ine No		Rec		Rec							Cum Kms	114.48
ine No		Rec		Rec								
IOURS	Travel Time		0.90			Down Ti	COUNTY OF				Extra Charges	
	Test Time							ler			Extra Hrs	0.00
	Recording Time		7.70								Detours Charge Hrs	0.00
ther Time	Line Change										WashdownsHrs	0.00
•	Recorder Move.		1.30					s/Terr			Extra Other Charge	0.00
	Detours/Terrain.							Spread.			Total ExtraHrs	0.00
	Experimental							Damage			Total Extra(Job).Hrs	0.00
	QC Spread		0.80				Other	•••••			Processing Hrs	0.00
	Wait on Spread.											
	Weather Time											
	Stock Damage					Total Do	wn Time	∋	0.00		Total DayHrs	11.00
OMMENTS:	Safety Meeting		0.30			Cum. Do	wn Time	e (Job)	0.00		Total Hrs (Job)	90.10
URVEY ine No	03GA-OD1	STN	4250	STN	4825		Kms.	23.000				
ine No		STN	,	STN			Kms.					
ine No		STN		STN			Kms.					
ine No		STN		STN			Kms.				Total Kms	23.000
ine No		STN		STN			Kms.			-	Cum. Kms. (Job)	153.000
BRAVITY			3 5 5 5									
	03GA-OD1	STN	4120	STN	4630		Kms.	20.400				
ine No	03GA-OD1	STN	4120	STN	4630		Kms.	20.400				
ine No ine No	03GA-OD1	STN	4120	STN	4630		Kms. Kms.	20.400				
ine No ine No ine No	03GA-OD1	STN STN STN	4120	STN STN STN	4630		Kms. Kms. Kms.	20.400			Total Kms	20.400
ine No ine No ine No	03GA-OD1	STN		STN STN STN STN	77.0		Kms. Kms.	20.400			Total Kms Cum. Kms. (Job)	20.400 145.200
ine Noine Noine Noine No	03GA-OD1	STN STN STN STN		STN STN STN	77.0		Kms. Kms. Kms.	20.400				
ine Noine Noine Noine Noine No	03GA-OD1	STN STN STN STN		STN STN STN STN	77.0		Kms. Kms. Kms.	20.400				
ine Noine Noine Noine Noine No	03GA-OD1	STN STN STN Kms		STN STN STN STN	77.0		Kms. Kms. Kms.	20.400			Cum. Kms. (Job)	145.200
ine Noine Noine Noine No	03GA-OD1	STN STN STN STN		STN STN STN STN	77.0		Kms. Kms. Kms.	20.400			Cum. Kms. (Job)	0.000
ine No ine No ine No RANGING ine No ine No ine No	03GA-OD1	STN STN STN Kms		STN STN STN STN	77.0		Kms. Kms. Kms.	20.400			Cum. Kms. (Job)	145.200
ine No ine No ine No  ANGING ine No		STN STN STN STN		STN STN STN STN COMMENT	S:		Kms. Kms. Kms.				Total Kms. (Job) Cum. Kms. (Job)	0.000 0.00
ine No ine No ine No ANGING ine No ine No ine No ine No ine No ine No	1 Line No:	STN STN STN STN		STN STN STN STN COMMENT	S:		Kms. Kms. Kms.	Hrs.			Total Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms	0.000 0.000 0.000
ine No	1 Line No: 2 Line No	STN STN STN STN		STN STN STN STN COMMENT	S: Kms. Cu Kms. Cu	t	Kms. Kms. Kms.	Hrs. Hrs.			Total Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	0.000 0.000 0.000 0.000
ine No	1 Line No: 2 Line No 3 Line No	STN STN STN STN		STN STN STN STN COMMENT	S: Kms. Cu Kms. Cu Kms. Cu Kms. Cu	t t	Kms. Kms. Kms.	Hrs. Hrs. Hrs.		2 EW	Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Hours	0.000 0.00 0.00 0.00 0.000 0.000 0.000
ine No ine	1 Line No: 2 Line No	STN STN STN STN		STN STN STN STN COMMENT	S: Kms. Cu Kms. Cu	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs.			Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hrs (Job)	0.000 0.000 0.000 0.000
ine No ine N	1 Line No:	STN STN STN STN		STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms. Cu Kms. Gra	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs.	*	Dets	Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hrs (Job)  Elect Dets	0.000 0.00 0.00 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN STN STN STN	#Holes	STN STN STN STN COMMENT	S: Kms. Cu Kms. Cu Kms. Cu Kms. Gra	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. DADING # Holes		Dets	Cum. Kms. (Job)  Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No:	STN STN STN STN		STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms. Cu Kms. Gra	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs.	#	Dets Dets	Cum. Kms. (Job)  Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN	#Holes	STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs Hrs	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. DADING # Holes # Holes	# #	Dets	Cum. Kms. (Job)  Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine No ine No ANGING ine No	1 Line No	STN STN STN STN	#Holes #Holes #Holes	STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs Hrs Hrs	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. SADING # Holes # Holes # Holes	# # #	Dets Dets	Cum. Kms. (Job)  Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN STN STN STN	#Holes #Holes #Holes #Holes	STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs Hrs Hrs	t t	PRE LC	Hrs. Hrs. Hrs. CADING # Holes # Holes # Holes # Holes	# # #	Dets Dets Dets	Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ing No ing No.	1 Line No:	STN STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs Hrs Hrs Hrs	tded	PRE LC 1 2 3 4 5 6	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes # Holes	# # # #	Dets Dets Dets Dets	Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine No ine No RANGING ine No ine No ine No	1 Line No:	STN STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs Hrs Hrs Hrs	t tded	PRE LC  1  2  3  4  5  6  Total #	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes # Holes	# # # #	Dets Dets Dets Dets Dets Dets	Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsTotal Hours  Total HoursTotal Hrs (Job)  Elect Dets  # Charges	0.000 0.00 0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes Cum # Mtr Cum Drille	STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs Hrs Hrs Hrs	t tded	PRE LC  1  2  3  4  5  6  Total #	Hrs. Hrs. Hrs. Hrs. Hols: # Holes # Holes # Holes # Holes Holes # Holes # Holes	# # # #	Dets Dets Dets Dets Dets Dets Dets	Total Kms	0.000 0.00 0.000 0.000 0.000 0.000 0.000

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NC44 401											DATE	20-501-05
Client	ANSIR								Party Ma		Bob Stephenson	
Survey Name.	Gawler								Client Re		David Johnston	
rea State	Roxby Downs South Australia								Weather.		Fine	
	Oddii Adsiralia		ī.									
ECORDING						Kms.		SKIPS	PF	OFILES		TOTALS
ine No		Rec	3862.0	Rec	4346.0	19.360		2		265	Profiles	265
ine No ine No		Rec		Rec Rec							Skips Kms	2 19.360
ine No		Rec		Rec							Cum Kms	133.840
ine No		Rec		Rec								
IOURS	Travel Time		0.60			Down Tin		•			Extra Charges	
	Test Time		0.40					der			Extra Hrs	0.00
Other Time	Recording Time Line Change		8.10								Detours Charge Hrs WashdownsHrs	0.00
Julei Tille	Recorder Move		0.50					s/Terr			Extra Other Charge	0.00
	Detours/Terrain.							Spread.			Total ExtraHrs	0.00
	Experimental							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 Dov	yn Time		0.00		Total DayHrs	11.00
	Safety Meeting.		0.30			Cum. Dov			0.00		Total Hrs (Job)	101.10
OBLEV	Back Crew stn 3		The state of the s	ıl 459 stns ıl 479 stns								1
	Back Crew stn 3		The state of the s	1 <b>1 479 st</b> ns			Kms.	21.000				
SURVEY ine No		STN STN	4210, Tota	STN STN			Kms.	21.000				
ine No ine No		STN STN STN	4210, Tota	STN STN STN			Kms. Kms.	21.000			Total Kena	24 000
ine Noine Noine Noine No		STN STN STN STN	4210, Tota	STN STN STN STN STN			Kms. Kms. Kms.	21.000			Total Kms	21.000 174.000
ine Noine Noine Noine Noine Noine No		STN STN STN	4210, Tota	STN STN STN			Kms. Kms.	21.000	-		Total Kms Cum. Kms. (Job)	21.000 174.000
ine Noine Noine Noine Noine Noine Noine Noine No		STN STN STN STN STN	4210, Tota	STN STN STN STN STN STN	5350		Kms. Kms. Kms. Kms.	21.000				
ine No ine No ine No ine No ine No GRAVITY ine No	03GA-OD1	STN STN STN STN STN STN	4210, Tota 4825	STN STN STN STN STN STN STN	5350		Kms. Kms. Kms. Kms.					
ine No	03GA-OD1	STN STN STN STN STN STN STN	4210, Tota 4825	STN STN STN STN STN STN STN	5350		Kms. Kms. Kms. Kms. Kms. Kms.				Cum. Kms. (Job)	174.000
ine No	03GA-OD1	STN STN STN STN STN STN STN STN STN	4210, Tota 4825	STN STN STN STN STN STN STN STN	5350		Kms. Kms. Kms. Kms. Kms. Kms. Kms.				Cum. Kms. (Job)  Total Kms	174.000 22.800
ine No	03GA-OD1	STN STN STN STN STN STN STN	4825 4830	STN STN STN STN STN STN STN	5350		Kms. Kms. Kms. Kms. Kms. Kms.		, , , , , , , , , , , , , , , , , , ,		Cum. Kms. (Job)	174.000
ine No	03GA-OD1	STN STN STN STN STN STN STN STN STN STN STN	4825 4830	STN STN STN STN STN STN STN STN STN	5350		Kms. Kms. Kms. Kms. Kms. Kms. Kms.		,		Cum. Kms. (Job)  Total Kms	174.000 22.800
ine No	03GA-OD1	STN Kms Kms	4825 4830	STN STN STN STN STN STN STN STN STN	5350		Kms. Kms. Kms. Kms. Kms. Kms. Kms.		,		Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	22.800 168.000
ine No	03GA-OD1	STN Kms Kms Kms	4825 4830	STN STN STN STN STN STN STN STN STN	5350	P	Kms. Kms. Kms. Kms. Kms. Kms. Kms.		¥	Maria de Santa de S	Total Kms. (Job)  Total Kms  Cum. Kms. (Job)	22.800 168.000
ine No	03GA-OD1	STN Kms Kms	4825 4830	STN STN STN STN STN STN STN STN STN	5350		Kms. Kms. Kms. Kms. Kms. Kms. Kms.		¥		Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	22.800 168.000
ine Noine Noine Noine Noine Noine Noine Noine No	03GA-OD1  03GA-OD1	STN Kms Kms Kms	4825 4830	STN	5350		Kms. Kms. Kms. Kms. Kms. Kms. Kms.		¥		Total Kms. (Job)  Total Kms  Cum. Kms. (Job)	22.800 168.000
ine No	03GA-OD1  03GA-OD1  1 Line No	STN Kms Kms Kms	4825 4830	STN	5350 5200 FS:	<b></b>	Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.800	y y		Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)	22.800 168.000 0.000 0.000 0.000
ine No	03GA-OD1  03GA-OD1  1 Line No	STN Kms Kms Kms	4825 4830	STN	5350 5200 FS: Kms. Cut Kms. Cut Kms. Cut	L	Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.800 Hrs. Hrs. Hrs.	Y		Total Kms	22.800 168.000 0.000 0.000 0.000 0.000 0.000
ine No ine N	03GA-OD1  03GA-OD1  1 Line No	STN Kms Kms Kms	4825 4830	STN	5350 5200 FS:	L	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.800  Hrs. Hrs. Hrs. Hrs.	,		Total Kms	22.800 168.000 0.000 0.000 0.000
ine No ine N	03GA-OD1  1 Line No	STN Kms Kms Kms	4825 4830	STN	5350 5200 FS: Kms. Cut Kms. Cut Kms. Gra	L	Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.800 Hrs. Hrs. Hrs. Hrs. OADING	,	# Dets	Total Kms	22.800 168.000 0.000 0.000 0.000 0.000 0.000 0.000
ine No	03GA-OD1  03GA-OD1  1 Line No	STN Kms Kms Kms	4825 4830	STN	5350 5200 FS: Kms. Cut Kms. Cut Kms. Cut	L	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.800  Hrs. Hrs. Hrs. Hrs.	,	# Dets	Total Kms	22.800 168.000 0.000 0.000 0.000 0.000 0.000
ine No ine	03GA-OD1  1 Line No	STN Kms Kms Kms	4825 4830  #Holes #Holes #Holes #Holes	STN	5350  5200  S:  Kms. Cut Kms. Cut Kms. Cut Kms. Cut Kms. Cut Kms. Gra  Hrs Hrs Hrs	L	Kms. Kms. Kms. Kms. Kms. Kms. Kms. 1	22.800  Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs		# Dets # Dets	Total Kms	22.800 168.000 0.000 0.000 0.000 0.000 0.000
ine No ine	03GA-OD1  1 Line No	STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN	5350  5200  S:  Kms. Cut Kms. Cut Kms. Cut Kms. Cut Kms. Gra  Hrs Hrs Hrs Hrs	L	Kms. Kms. Kms. Kms. Kms. Kms. Kms. 1 2 3 4	22.800  Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs	,	# Dets # Dets # Dets	Total Kms	22.800 168.000 0.000 0.000 0.000 0.000 0.000
ine No ine	03GA-OD1  1 Line No	STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes #Holes #Holes	STN	5350  5200  TS:  Kms. Cut Kms. Cut Kms. Cut Kms. Gra  Hrs Hrs Hrs Hrs	L	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.800  Hrs. Hrs. Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes	,	# Dets # Dets # Dets # Dets	Total Kms	22.800 168.000 0.000 0.000 0.000 0.000 0.000
ine No ine	03GA-OD1  1 Line No	STN Kms Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes #Holes	STN	5350  5200  S:  Kms. Cut Kms. Cut Kms. Cut Kms. Cut Kms. Gra  Hrs Hrs Hrs Hrs	ded	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.800  Hrs. Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes # Holes	,	# Dets # Dets # Dets # Dets # Dets	Total Kms	22.800 168.000 0.000 0.000 0.000 0.000 0.000
ine No ine	03GA-OD1  1 Line No	STN  Kms Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes #Holes #Holes	STN	5350  5200  TS:  Kms. Cut Kms. Cut Kms. Cut Kms. Gra  Hrs Hrs Hrs Hrs	ded	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	22.800  Hrs. Hrs. Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes		# Dets # Dets # Dets # Dets	Total Kms	22.800 168.000 0.000 0.000 0.000 0.000 0.000

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200					V DD	ODUCT					
CREW 401		-		UAII	-T PK	ODUCII	ION R	EPURI		DATE	. 30-Jul-03
Client Survey Name. Area State	ANSIR Gawler Roxby Downs South Australia								Party Manager. Client Rep Weather	Bob Stephenson David Johnston Fine	
RECORDING	30					Kms.		SKIPS	PROFILES	70.00	TOTALS
Line No Line No Line No Line No Line No		Rec Rec Rec Rec Rec	4346.0	Rec Rec Rec Rec Rec	4848.0	20.080		0	251	Profiles Skips Kms Cum Kms	251 0 20.080 153.920
HOURS	Travel Time		1.00			Down Tim	10 -			Extra Charges	
Other Time	Test Time Recording Time Line Change Recorder Move		8.10 0.70				Cables ATU's	ler s/Terr		Extra Hrs Detours Charge Hrs WashdownsHrs Extra Other Charge	0.00 0.00 0.00 0.00
	Detours/Terrain. Experimental QC Spread Pick up Spread .		0.90				Stock [	Spread. Damage		Total ExtraHrs Total Extra(Job).Hrs Processing Hrs	0.00 0.00 0.00
OOL WENTO	Weather Time Stock Damage Safety Meeting		0.30		401 1.5	Total Dow	vn Time		0.00 0.00	Total DayHrs Total Hrs (Job)	11.00 112.10
COMMENTS:	Excelent days p Front crew Stn Back crew Stn	4556 to	stn 5077,	Total 521	stn.	on this iii	ne.				
SURVEY	2004.004	0711	5050	0.711	5004		12				
Line No Line No Line No	03GA-OD1	STN STN	5350	STN STN	5834		Kms. Kms. Kms.	19.360			
Line No Line No		STN		STN STN			Kms. Kms.			Total KmsCum. Kms. (Job)	19.360 193.360
GRAVITY Line No Line No	03GA-OD1	STN STN	5200	STN STN	5570		Kms. Kms.	14.800		, , , , , , , , , , , , , , , , , , ,	
Line No Line No		STN		STN							
		STN		STN STN			Kms. Kms. Kms.			Total Kms	14.800 182.800
Line No RANGING Line No		STN	c		rs:		Kms.				
Line No RANGING Line No Line No Line No		Kms Kms Kms		STN	īs:		Kms.		- 174. Q. <del>-</del>	Cum. Kms. (Job)  Total Kms	0.000
Line No  RANGING Line No Line No Line No Line No Line CLEAR	1 Line No.	STN Kms Kms	·	STN		d	Kms.	Hre		Total Kms. (Job) Cum. Kms. (Job)	0.000 0.00
Line No  RANGING Line No Line No Line No Line No LINE CLEAR Dozer	1 Line No 2 Line No 3 Line No	Kms Kms Kms		STN	Kms. Cut Kms. Cut		Kms.	Hrs. Hrs.		Total Kms. (Job)  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	0.000 0.000 0.000 0.000 0.000
Line No  RANGING Line No Line No Line No LINE CLEAR Dozer Dozer Grader		Kms Kms Kms	Ċ	STN	Kms. Cut	L L	Kms.	Hrs. Hrs. Hrs.		Total Kms. (Job)  Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Hours Total Hrs (Job)	0.000 0.000 0.000
Line No  RANGING Line No Line No Line No LINE CLEAR Dozer Dozer Dozer Grader  DRILLING	2 Line No	Kms Kms Kms		STN	Kms. Cut Kms. Cut Kms. Cut Kms. Gra	L L	Kms. Kms.	Hrs. Hrs. Hrs. DADING		Total Kms. (Job)  Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Hours  Total Hrs (Job)  Elect Dets	0.000 0.00 0.00 0.000 0.000 0.000 0.00
Line No  RANGING Line No Line No Line No Line No LINE CLEAR Dozer Dozer Dozer Grader  DRILLING Rig No.	2 Line No	Kms Kms Kms	#Holes	STN	Kms. Cut Kms. Cut Kms. Cut	L L	Kms.	Hrs. Hrs. Hrs.	# Dets # Dets	Total Kms. (Job)  Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Hours Total Hrs (Job)	0.000 0.00 0.00 0.000 0.000 0.000 0.00
Line No  RANGING Line No Line No Line No Line No Line Dozer Dozer Dozer Dozer DRILLING Rig No. Rig No. Rig No.	2 Line No	Kms Kms Kms	#Holes #Holes #Holes	STN	Kms. Cut Kms. Cut Kms. Gra Kms.Gra Hrs Hrs Hrs	L L	PRE LC 1 2 3	Hrs. Hrs. OADING # Holes # Holes # Holes	# Dets # Dets # Dets	Total Kms	0.000 0.000 0.000 0.000 0.000 0.000 0.000
Line No  RANGING Line No Line No Line No Line No Line No Line CLEAR Dozer Dozer Dozer Grader DRILLING Rig No. Rig No. Rig No. Rig No.	2 Line No	Kms Kms Kms	#Holes #Holes #Holes #Holes	STN	Kms. Cut Kms. Cut Kms. Gra Hrs Hrs Hrs	L L	PRE LC 1 2 3 4	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets	Total Kms	0.000 0.00 0.00 0.000 0.000 0.000 0.00
Line No  RANGING Line No Line No Line No Line CLEAR Dozer Dozer Dozer Grader DRILLING Rig No. Rig No. Rig No. Rig No. Rig No.	2 Line No	Kms Kms Kms	#Holes #Holes #Holes #Holes	STN	Kms. Cut Kms. Cut Kms. Grav Hrs Hrs Hrs Hrs	L L	PRE LC 1 2 3 4 5	Hrs. Hrs. Hrs. DADING # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets	Total Kms	0.000 0.00 0.000 0.000 0.000 0.000 0.00
Line No  RANGING Line No Line No Line No Line CLEAR Dozer Dozer Grader DRILLING Rig No.	2 Line No	Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN	Kms. Cut Kms. Cut Kms. Cut Kms. Grav Hrs Hrs Hrs Hrs Hrs	ded	PRE LC 1 2 3 4 5 6	Hrs. Hrs. Hrs. Hrs. OADING # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms	0.000 0.00 0.000 0.000 0.000 0.000 0.000
Line No  RANGING Line No Line No Line No Line CLEAR Dozer Dozer Dozer Grader DRILLING Rig No. Rig No. Rig No. Rig No. Rig No.	2 Line No	Kms Kms Kms Kms	#Holes #Holes #Holes #Holes	STN OMMEN	Kms. Cut Kms. Cut Kms. Cut Kms. Grav Hrs Hrs Hrs Hrs Hrs	ded	PRE LC 1 2 3 4 5 6	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes # Holes Holes Holes Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms	0.000 0.00 0.000 0.000 0.000 0.000 0.00

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CREW 401				DAI	LY PR	CODUCT	ION RI	EPURI	7	DATE	31-Jul-03
Client	ANSIR								Party Manager.	Bob Stephenson	
Survey Name.	Gawler						8		Client Rep	David Johnston	
\rea	Roxby Downs								Weather	Fine	
State	South Australia										
RECORDING					,	Kms.		SKIPS	PROFILES		TOTALS
ine No	03GA-OD1	Rec	4848.0	Rec	5338.0	19.600		0	245	Profiles	245
ine No		Rec		Rec						Skips	0
ine No		Rec		Rec						Kms	19,600
ine No		Rec		Rec						Cum Kms	173.52
ine No		Rec		Rec							
HOURS	Travel Time	17 2010.1010	1.40			Down Time	9 -		7.000	Extra Charges	
	Test Time						Record	der		Extra Hrs	0.00
	Recording Time		8.10				Cables	S	ŧ	Detours Charge Hrs	0.00
Other Time	Line Change						ATU's.			WashdownsHrs	0.00
	Recorder Move		0.30				Detour	s/Terr		Extra Other Charge	0.00
	Detours/Terrain.						W/on	Spread.		Total ExtraHrs	0.00
	Experimental					5.00		Damage		Total Extra(Job).Hrs	0.00
	QC Spread		0.90							Processing Hrs	0.00
	Wait on Spread.						0.000			,	
	Weather Time										
	Stock Damage		•			Total Dow	n Time		0.00	Total DayHrs	11.00
	Safety Meeting		0.30			Cum. Dow			0.00	Total Hrs (Job)	123.10
A LEGAL COMPANY	7 NA										
	0304 003	CTN	1000	CTN	1200	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	V	42.000			
SURVEY ine No	03GA-OD2	STN	1000	STN	1300		Kms.	12.000			
ine No	03GA-OD2	STN	1000	STN	1300		Kms.	12.000		*	
ine No ine No	03GA-OD2	STN STN	1000	STN	1300	7 38 18 18 18 18 18	Kms. Kms.	12.000		Total Kms	12.000
ine Noine Noine Noine No	03GA-OD2	STN STN STN	1000	STN STN STN	1300		Kms. Kms. Kms.	12.000		Total Kms	12.000 205.360
ine No	03GA-OD2	STN STN	1000	STN	1300		Kms. Kms.	12.000		Total Kms Cum. Kms. (Job)	12.000 205.360
ine No ine No ine No ine No ine No	03GA-OD2	STN STN STN STN	1000 5570	STN STN STN	1300		Kms. Kms. Kms.	12.000			AN INCOME AND DESCRIPTION
ine Noine Noine Noine Noine Noine No		STN STN STN		STN STN STN STN			Kms. Kms. Kms. Kms.	**************************************			AN INVESTIGATION
ine No ine No ine No ine No ine No SRAVITY ine No		STN STN STN STN		STN STN STN STN			Kms. Kms. Kms. Kms.	**************************************			AN INVESTIGATION
ine Noine No		STN STN STN STN		STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms.	**************************************		Cum. Kms. (Job)	AN INCOME AND DESCRIPTION
ine Noine No		STN STN STN STN STN STN		STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms.	**************************************			205.360
ine No		STN STN STN STN STN STN STN	5570	STN STN STN STN STN STN STN	5834		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	**************************************		Cum. Kms. (Job)  Total Kms	205.360
ine Noine No		STN STN STN STN STN STN STN	5570	STN STN STN STN STN STN STN STN	5834		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	**************************************	9	Cum. Kms. (Job)  Total Kms	205.360
ine No RANGING ine No		STN STN STN STN STN STN STN STN	5570	STN STN STN STN STN STN STN STN	5834		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	**************************************		Cum. Kms. (Job)  Total Kms	205.360
ine No		STN STN STN STN STN STN STN STN	5570	STN STN STN STN STN STN STN STN	5834		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	**************************************		Cum. Kms. (Job)  Total Kms	205.360
ine No		STN STN STN STN STN STN STN STN STN STN	5570	STN STN STN STN STN STN STN STN	5834		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	**************************************		Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	205.360 10.560 193.360
ine No		STN STN STN STN STN STN STN STN STN Kms Kms	5570	STN STN STN STN STN STN STN STN	5834		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	**************************************	1	Total Kms(Job)  Total Kms(Job)  Total Kms(Job)	205.360 10.560 193.360 0.000
ine No	03GA-OD1	STN STN STN STN STN STN STN STN STN Kms Kms	5570	STN COMMENT	5834	<b></b>	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	**************************************		Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)	205.360 10.560 193.360 0.000
ine No ine	03GA-OD1  1 Line No	STN STN STN STN STN STN STN STN STN Kms Kms	5570	STN STN STN STN STN STN STN STN COMMENT	5834  TS:  Kms. Cul	t	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	10.560		Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)	10.560 193.360 0.000 0.000
ine No ine	03GA-OD1  1 Line No 2 Line No 3 Line No	STN STN STN STN STN STN STN STN STN STN Kms Kms	5570	STN STN STN STN STN STN STN STN COMMENT	5834  FS:  Kms. Cut Kms. Cut Kms. Cut	L L	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	10.560 Hrs. Hrs.		Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours	205.360 10.560 193.360 0.000 0.000 0.000 0.000 0.000
ine No ine	03GA-OD1  1 Line No	STN STN STN STN STN STN STN STN STN STN Kms Kms	5570	STN STN STN STN STN STN STN STN COMMENT	5834  TS:  Kms. Cul	L L	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	10.560  Hrs. Hrs. Hrs. Hrs.		Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total KmsCum. Kms. (Job)  Total HoursTotal Hours	205.360 10.560 193.360 0.000 0.000 0.000 0.000
ine No in	03GA-OD1  1 Line No 2 Line No 3 Line No 1 Line No	STN STN STN STN STN STN STN STN STN STN Kms Kms	5570	STN STN STN STN STN STN STN STN COMMENT	5834  FS:  Kms. Cut Kms. Cut Kms. Cut Kms. Cut	L L	Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. OADING		Total Kms	205.360 10.560 193.360 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN STN STN STN STN STN STN STN STN STN Kms Kms	5570 C	STN STN STN STN STN STN STN STN COMMENT	5834  FS:  Kms. Cui Kms. Cui Kms. Cui Kms. Gra  Hrs	L L	Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs.	# Dets	Total Kms	205.360 10.560 193.360 0.000 0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN STN STN STN STN STN STN STN STN STN Kms Kms	#Holes	STN STN STN STN STN STN STN STN COMMENT	5834  Kms. Cul Kms. Cul Kms. Cul Kms. Cul Kms. Gra  Hrs Hrs	L L	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Lms. Kms.	Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs.	# Dets # Dets	Total Kms	205.360 10.560 193.360 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine	1 Line No	STN STN STN STN STN STN STN STN STN STN Kms Kms	#Holes #Holes #Holes	STN STN STN STN STN STN STN STN COMMENT	5834  Kms. Cul Kms. Cul Kms. Cul Kms. Gra  Hrs Hrs Hrs	L L	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Lms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs.	# Dets # Dets # Dets	Total Kms	10.560 193.360 0.000 0.000 0.000 0.000 0.000
ine No ine	1 Line No	STN STN STN STN STN STN STN STN STN STN Kms Kms	#Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN COMMENT	5834  Kms. Cut Kms. Cut Kms. Cut Kms. Gra  Hrs Hrs Hrs	L L	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Lms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs.	# Dets # Dets # Dets # Dets	Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hours  Total Hours  **Charges*** Charges*** Charges**** Charges*** Charges*** Charges*** Charges*** Charges*** Charges*** Charges***	0.000 0.000 0.000 0.000 0.000 0.000
ine No ine N	1 Line No	STN STN STN STN STN STN STN STN STN STN Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN COMMENT	5834  Kms. Cul Kms. Cul Kms. Cul Kms. Gra  Hrs Hrs Hrs Hrs	L L	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs.	# Dets # Dets # Dets # Dets # Dets	Total Kms	205.360 10.560 193.360 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine No.	1 Line No	STN STN STN STN STN STN STN Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN	5834  Kms. Cut Kms. Cut Kms. Cut Kms. Gra  Hrs Hrs Hrs	t t ded	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrloes # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms	205.360 10.560 193.360 0.000 0.000 0.000 0.000 0.000
ine No ine	1 Line No	STN STN STN STN STN STN STN Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes Cum # Mtr(	STN	5834  Kms. Cul Kms. Cul Kms. Cul Kms. Gra  Hrs Hrs Hrs Hrs	ded	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. Hrs. Hrloes # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms	205.360 10.560 193.360 0.000 0.000 0.000 0.000 0.000 0.000
ine No	1 Line No	STN	#Holes #Holes #Holes #Holes #Holes #Holes	STN	5834  Kms. Cul Kms. Cul Kms. Cul Kms. Gra  Hrs Hrs Hrs Hrs	ded	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms	205.360 10.560 193.360 0.000 0.000 0.000 0.000 0.000

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REW 401	ü			DAI	LT PR	ODUCTI	ON K	PURI	110.72		DATE	. 1-Aug-03
Client Survey Name. Jate	ANSIR Gawler Roxby Downs South Australia							**	Party Manager Client Rep Weather	0	Bob Stephenson David Johnston Fine	
RECORDING						Kms.		SKIPS	PROFIL	FS		TOTALS
ine No	03GA-OD1	Rec	5338.0	Rec	5834.0	19.840		0		48	Profiles	248
ine No		Rec		Rec							Skips	0
ine No		Rec		Rec							Kms	19.840
ine No		Rec		Rec							Cum Kms	193.36
ine No		Rec		Rec								
OURS	Travel Time		1.30			Down Time	-			E	Extra Charges	
	Test Time						Record	ler		Ε	Extra Hrs	0.00
	Recording Time		7.80								Detours Charge Hrs	0.00
Other Time	Line Change						ATU's.			٧	WashdownsHrs	0.00
	Recorder Move		0.90				Detour	s/Terr		E	Extra Other Charge	0.00
	Detours/Terrain.						W/on	Spread.		Т	Total ExtraHrs	0.00
	Experimental						Stock (	Damage			Total Extra(Job).Hrs	0.00
	QC Spread Wait on Spread. Weather Time	••	0.70			×	Other			F	Processing Hrs	0.00
	Stock Damage					Total Down	Time		0.00	1	Total DayHrs	11.00
	Safety Meeting		0.30			Cum. Down			0.00		Total Hrs (Job)	134.10
	Dack Clew Still	3209 10	5688, 479 s	uis.								
					4775			40.000				
SURVEY ine No	03GA-OD2	STN	1300	STN	1775		Kms.	19.000				
ine Noine No		STN STN		STN STN	1775	. <del></del>	Kms.	19.000				
ine No ine No ine No		STN STN STN		STN STN STN	1775		Kms. Kms.	19.000		7	Total Kms.	19.000
ine Noine Noine Noine No		STN STN STN		STN STN STN	1775		Kms.	19.000			Total Kms	19.000 224.360
		STN STN STN		STN STN STN	1775		Kms. Kms. Kms.	19.000			Fotal KmsCum. Kms. (Job)	
ine Noine Noine Noine Noine Noine No		STN STN STN		STN STN STN	1775		Kms. Kms. Kms.	19.000				
ine Noine Noine Noine Noine Noine Noine Noine No	03GA-OD2	STN STN STN STN	1300	STN STN STN STN			Kms. Kms. Kms. Kms.					
ine Noine No	03GA-OD2	STN STN STN STN	1300	STN STN STN STN		18	Kms. Kms. Kms. Kms.					
ine Noine	03GA-OD2	STN STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.				Cum, Kms. (Job)	224.360
ine No	03GA-OD2	STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN	1620		Kms. Kms. Kms. Kms. Kms. Kms.				Cum. Kms. (Job)	224.360
ine No	03GA-OD2	STN STN STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN	1620		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.				Cum, Kms. (Job)	224.360
ine No	03GA-OD2	STN STN STN STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN	1620		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.				Cum, Kms. (Job)	224.360
ine No	03GA-OD2	STN STN STN STN STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN	1620		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.			7	Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	24.800 218.160
ine No	03GA-OD2	STN STN STN STN STN STN STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN	1620		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.			, (C	Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	24.800 218.160
ine No	03GA-OD2	STN STN STN STN STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN	1620		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.			, (C	Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	24.800 218.160
ine No	03GA-OD2	STN STN STN STN STN STN STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN	1620		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	24.800		7 0	Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	24.800 218.160 0.000 0.00
ine No	03GA-OD2  03GA-OD2	STN STN STN STN STN STN STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN	1620 'S:		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	24.800 Hrs.		T (	Cum. Kms. (Job)  Total Kms  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	24.800 218.160 0.000 0.000
ine No ine	03GA-OD2  03GA-OD2  1 Line No	STN STN STN STN STN STN STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN STN	1620  TS:  Kms. Cut Kms. Cut		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	24.800 Hrs.		7 0	Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	24.800 218.160 0.000 0.00 0.000 0.000
ine No ine	03GA-OD2  03GA-OD2  1 Line No	STN STN STN STN STN STN STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN OMMENT	1620 TS:  Kms. Cut Kms. Cut Kms. Cut		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	24.800 Hrs. Hrs. Hrs.		7 0	Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Hours	24.800 218.160 0.000 0.00 0.000 0.000 0.000
ine No	03GA-OD2  03GA-OD2  1 Line No	STN STN STN STN STN STN STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN OMMENT	1620  TS:  Kms. Cut Kms. Cut		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	24.800 Hrs.		7 0	Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)	24.800 218.160 0.000 0.000 0.000 0.000
ine No ine No.	03GA-OD2  03GA-OD2  1 Line No	STN STN STN STN STN STN STN STN STN STN STN STN	1300	STN STN STN STN STN STN STN STN OMMENT	1620 TS:  Kms. Cut Kms. Cut Kms. Cut		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	24.800  Hrs. Hrs. Hrs. Hrs.		7 0	Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Hours  Total Hours  Total Hrs (Job)	24.800 218.160 0.000 0.00 0.000 0.000 0.000
ine No ine	03GA-OD2  1 Line No	STN STN STN STN STN STN STN STN STN STN STN STN	1300 1000	STN STN STN STN STN STN STN STN OMMENT	1620  TS:  Kms. Cut Kms. Cut Kms. Cut Kms. Cut		Kms. Kms. Kms. Kms. Kms. Kms. Kms.	24.800  Hrs. Hrs. Hrs. Hrs. OADING	***	T C T T C T T T T T T T T T T T T T T T	Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Hours  Total Hrs (Job)  Elect Dets	24.800 218.160 0.000 0.00 0.000 0.000 0.000
ine No ine	03GA-OD2  1 Line No	STN STN STN STN STN STN STN STN STN STN STN STN	1300 1000 C	STN STN STN STN STN STN STN STN OMMENT	1620  TS:  Kms. Cut Kms. Cut Kms. Grad  Hrs		Kms. Kms. Kms. Kms. Kms. Kms. Kms.	24.800  Hrs. Hrs. Hrs. Hrs. Hrs. Wholes # Holes # Holes	# Do # Do # Do	TO CO	Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Hours  Total Hours	24.800 218.160 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine	03GA-OD2  1 Line No	STN STN STN STN STN STN STN STN STN STN STN STN	1300  1000  Ci #Holes #Holes	STN STN STN STN STN STN STN STN OMMENT	1620  Kms. Cut Kms. Cut Kms. Cut Kms. Grad  Hrs Hrs Hrs Hrs		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Lms. Kms.	24.800  Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs	# D0 # D0 # D0 # D0	TO CONTRACT TO CON	Cum. Kms. (Job)  Fotal Kms	24.800 218.160 0.000 0.000 0.000 0.000 0.000 0.000
ine No ine	03GA-OD2  1 Line No	STN STN STN STN STN STN STN STN STN STN STN STN	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN OMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Grad Hrs Hrs Hrs Hrs		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	24.800  Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes	# Do # Do # Do # Do	of Control	Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Hours Total Hours  # Charges # Charges # Charges # Charges # Charges # Charges	24.800 218.160 0.000 0.00 0.000 0.000 0.000 0.000
ine No ine No.	03GA-OD2  1 Line No	STN STN STN STN STN STN STN Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN OMMENT	1620  Kms. Cut Kms. Cut Kms. Cut Kms. Grad  Hrs Hrs Hrs Hrs	ded	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	24.800  Hrs. Hrs. Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes # Holes	# Do # Do # Do # Do # Do	TO CO	Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Hours Total Hours Total Hours  Flect Dets  # Charges	24.800 218.160 0.000 0.000 0.000 0.000 0.000 0.000
ine No	03GA-OD2  1 Line No	STN STN STN STN STN STN STN Kms Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes #Holes Cum # Mtr(J	STN STN STN STN STN STN STN OMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Grad Hrs Hrs Hrs Hrs	ded	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Total #	24.800  Hrs. Hrs. Hrs. Hrs. Hrls. Hrls. Holes # Holes	# D0 # D0 # D0 # D0 # D0	TO CO	Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Hours  Total Hours  Total Hrs (Job)  Elect Dets  # Charges # Charges # Charges # Charges # Charges # Charges	24.800 218.160 0.000 0.000 0.000 0.000 0.000 0.000
ine No in	03GA-OD2  1 Line No	STN STN STN STN STN STN STN STN STN STN	#Holes #Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN STN OMMENT	Kms. Cut Kms. Cut Kms. Cut Kms. Grad Hrs Hrs Hrs Hrs	ded	Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	24.800  Hrs. Hrs. Hrs. Hrs. Hrs. Holes # Holes # Holes # Holes # Holes Holes	# Do # Do # Do # Do # Do	of Control	Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Hours Total Hours Total Hours  Flect Dets  # Charges	24.800 218.160 0.000 0.00 0.000 0.000 0.000 0.000 0.000

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REW 401			9	<u> </u>		орост	<u> </u>		4.80	DATE	. 2-Aug-03
Client Survey Name. Area State	ANSIR Gawler Roxby Downs South Australia						i i		Party Manager. Client Rep Weather	Bob Stephenson David Johnston Fine	
RECORDING	200.0					Kms.	*	SKIPS	PROFILES		TOTALS
ine Noine Noine Noine Noine No		Rec Rec Rec Rec	1000.0	Rec Rec Rec Rec	1184.0	7.360		0	92	Profiles Skips Kms Cum Kms	92 0 7.360 200.72
ine No		Rec		Rec						Odiii Nilla	200.72
HOURS	Travel Time Test Time Recording Time		1.30 3.10			Down Time	Record	ler	***	Extra Charges Extra Hrs Detours Charge Hrs	0.00
Other Time	Line Change Recorder Move Detours/Terrain. Experimental		2.20				ATU's. Detour W / on	s/Terr Spread. Damage		WashdownsHrs Extra Other Charge Total ExtraHrs Total Extra(Job).Hrs	0.00 0.00 0.00 0.00
	Pick up Spread Laying Spread Weather Time Stock Damage		2.20 1.90			Total Down	Other		0.00	Processing Hrs	0.00
	Safety Meeting		0.30			Cum. Down			0.00	Total Hrs (Job)	145.10
SURVEY ine No	Back crew Stn 5	STN	1775	STN	2436	-	Kms.	26.440			
Line No		STN		STN			Kms.				
ine No		STN STN		STN STN			Kms. Kms. Kms.			Total Kms	26.440 250.800
ine No  CHAINING  ine No  ine No	03GA-OD2	STN STN STN STN	1620	STN STN STN	1900	<u>24349</u> (15	Kms. Kms. Kms.	11.200		Total KmsCum. Kms. (Job)	
ine No ine No CHAINING ine No ine No ine No ine No	03GA-OD2	STN STN		STN STN STN STN STN STN			Kms. Kms.	11.200			
ine No  CHAINING ine No	03GA-OD2	STN STN STN STN STN		STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms.	11.200		Cum. Kms. (Job)  Total Kms	250.800
Line No  CHAINING Line No		STN STN STN STN STN STN Kms		STN STN STN STN STN STN STN	S:		Kms. Kms. Kms. Kms. Kms. Kms.			Cum. Kms. (Job)  Total Kms	11.200 229.360 0.000 0.00
ine No CHAINING ine No ine No ine No ine No ine No ANGING ine No ine	03GA-OD2  1 Line No	STN STN STN STN STN STN Kms Kms Kms		STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms.	Hrs Hrs Hrs Hrs		Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hrs (Job)	11.200 229.360
ine No  CHAINING ine No	1 Line No 2 Line No 3 Line No	STN STN STN STN STN STN Kms Kms Kms		STN STN STN STN STN STN STN	S: Kms. Cut Kms. Cut Kms. Cut		Kms. Kms. Kms. Kms. Kms. Kms.	Hrs. Hrs.		Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours	11.200 229.360 0.000 0.000 0.000 0.000 0.000 0.000
ine No  HAINING ine No	1 Line No	STN STN STN STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN	Kms. Cut Kms. Cut Kms. Cut Kms. Grau Hrs Hrs Hrs Hrs		Kms. Kms. Kms. Kms. Kms. IPRE Li 1 2 3 4 5	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets	Total Kms	250.800 11.200 229.360 0.000 0.000 0.000 0.000 0.000 0.000
Line No Line No Line No CHAINING Line No Lin	1 Line No	STN STN STN STN STN Kms Kms Kms Kms	#Holes #Holes #Holes #Holes	STN STN STN STN STN STN STN	Kms. Cut Kms. Cut Kms. Cut Kms. Grau Hrs Hrs Hrs	ded	Kms. Kms. Kms. Kms. Kms. Kms. 5	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms	250.800 11.200 229.360 0.000 0.000 0.000 0.000 0.000

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client urvey Name. urea state	ANSIR Gawler Roxby Downs South Australia								Party Manage Client Rep Weather		Bob Stephenson David Johnston Fine	
RECORDING						Kms.		SKIPS	PROFIL	ES		TOTALS
ine No		Rec	1184.0	Rec	1594.0	16.400		0		205	Profiles	205
ine No		Rec		Rec							Skips	0
ine No		Rec		Rec							Kms	16.40
ine No		Rec		Rec							Cum Kms	217.12
ine No		Rec		Rec								
OURS	Travel Time		1.40			Down Time					Extra Charges	16
	Test Time							der			Extra Hrs	0.00
	Recording Time		6.70					3			Detours Charge Hrs	0.00
other Time	Line Change										WashdownsHrs	0.00
	Recorder Move		1.90					s/Terr			Extra Other Charge	0.00
	Detours/Terrain.							Spread.			Total ExtraHrs	0.00
	Experimental							Damage			Total Extra(Job).Hrs	0.00
	QC Spread Wait on Spread.		0.70				Other.				Processing Hrs	0.00
	Weather Time					Total Down	Time		0.00		Total Day Um	11.00
	Stock Damage Safety Meeting		0.30			Cum. Down			0.00		Total DayHrs Total Hrs (Job)	156.1
	Water and a		<del></del>		•						·	
URVEY ine No		STN STN		STN STN	•	<del>, , , , , , , , , , , , , , , , , , , </del>	Kms.		······································			
ine No ine No		STN		STN STN	•	-	Kms.					
ne No ne No ne No		STN STN STN		STN STN STN	•	, , , , , , , , , , , , , , , , , , , ,	Kms. Kms. Kms.				Total Kms	0.000
ne No ne No ne No ne No		STN		STN STN	•		Kms.				Total Kms	0.000 250.800
ine Noine No	0004.000	STN STN STN		STN STN STN STN			Kms. Kms. Kms. Kms.					
ine Noine No	03GA-OD2	STN STN STN STN	1900	STN STN STN STN	2436		Kms. Kms. Kms. Kms.	21.440				
ine Noine	03GA-OD2	STN STN STN STN	1900	STN STN STN STN STN	2436		Kms. Kms. Kms. Kms. Kms.	21.440				
ine Noine No	03GA-OD2	STN STN STN STN STN STN	1900	STN STN STN STN STN STN	2436		Kms. Kms. Kms. Kms. Kms. Kms.	21.440			Cum. Kms. (Job)	250.800
ne No ne No ne No ne No RAVITY ne No ne No ne No ne No ne No ne No	03GA-OD2	STN STN STN STN STN STN STN	1900	STN STN STN STN STN STN STN	2436		Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	21.440			Cum. Kms. (Job)  Total Kms	250.800 21.440
ine Noine No	03GA-OD2	STN STN STN STN STN STN		STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms.	21.440			Cum. Kms. (Job)	250.800
ine No ANGING	03GA-OD2	STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	21.440			Cum. Kms. (Job)  Total Kms	250.800 21.440
ne No ne No ne No ne No RAVITY ne No	03GA-OD2	STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	21.440			Cum. Kms. (Job)  Total Kms	250.800 21.440
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ine No	03GA-OD2	STN STN STN STN STN STN STN STN		STN STN STN STN STN STN STN STN			Kms. Kms. Kms. Kms. Kms. Kms. Kms. Kms.	21.440			Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	250.800 21.440
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ACC 401									DATE	. 4-Aug-03
Client	ANSIR							Party Manager.	Bob Stephenson	
urvey Name.	Gawler							Client Rep	David Johnston	
rea	Roxby Downs							Weather	Windy	
tate	South Australia									
ECORDING			,			Kms.	SKIPS	PROFILES		TOTALS
ine No	. 03GA-OD2	Rec	1594.0	Rec	2056.0	18.480	1	229	Profiles	229
ine No	•	Rec		Rec					Skips	1
ine No	•	Rec		Rec					Kms	18.480
ine No		Rec		Rec					Cum Kms	235.60
ine No	•	Rec		Rec						
IOURS	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
ther Time	Line Change		1.00			•	ATU's		WashdownsHrs	0.00
alor Timo	Recorder Move		0.90				Detours/Terr		Extra Other Charge	0.00
	Detours/Terrain.		0.90				W / on Spread.		Total ExtraHrs	0.00
	Experimental		0.00				Stock Damage		Total Extra(Job).Hrs	0.00
	QC Spread		0.60				Other		Processing Hrs	0.00
	Wait on Spread.		0.60							
	Weather Time									
	Stock Damage		1900 (00000)			Total Down		0.00	Total DayHrs	11.00
OMMENTS:	Safety Meeting  Excelent days p		0.30			Cum. Down		0.00	Total Hrs (Job)	167.10
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ine No	1 Line No 2 Line No 3 Line No	STN STN STN STN STN Kms Kms Kms	CC	STN STN STN STN STN STN	Kms. Cu Kms. Cu Kms. Cu	t t,	Kms. Kms. Kms. Kms. Kms. Kms. Hrs. Hrs. Hrs		Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours	0.000 250.800 0.000 0.000 0.000 0.000 0.000
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CREW 401				UA	LI FI	(ODOC)	ION K	LFORT		DATE	5-Aug-03
Client Survey Name. vea State	ANSIR Gawler Roxby Downs South Australia			٠		•			Party Manager. Client Rep Weather	Bob Stephenson David Johnston Fine	
RECORDING						Kms.	-	SKIPS	PROFILES	*	TOTALS
ine No		Rec	2056.0	Rec	2436.0	15.200		0	190	Profiles	190
ine No		Rec		Rec						Skips	0
ine No		Rec		Rec						Kms	15.200
ine No		Rec		Rec				:•:		Cum Kms	250.80
ine No		Rec		Rec		1 2					-
IOURS	Travel Time		1.50			Down Tim				Extra Charges	
	Test Time				12			ler		Extra Hrs	0.00
	Recording Time		6.60					S		Detours Charge Hrs	0.00
Other Time	Line Change		Name of the Park							WashdownsHrs	0.00
	Recorder Move		0.50					s/Terr		Extra Other Charge	0.00
	Detours/Terrain.							Spread.		Total ExtraHrs	0.00
	Experimental						Stock I	Damage		Total Extra(Job).Hrs	0.00
	QC Spread	•••	0.50				Other			Processing Hrs	0.00
	Wait on Spread.										
	Weather Time										
	Stock Damage						n Time		0.00	Total DayHrs	9.40
OMMENTS:	Safety Meeting		0.30				n Time (Jo		0.00 up. One vib on way	Total Hrs (Job)	176.50
URVEY ine No		STN		STN			Kms.				
ine No		STN		STN			Kms.				
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ine No		STN		STN			Kms.			Total Kms	0.000
ine No		STN		STN			Kms.			Cum. Kms. (Job)	250.800
CHAINING				CTN		(40)	V				
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ine No ine No ine No ine No ZANGING ine No ine No ine No ine No ine No	1 Line No.	STN STN STN STN Kms Kms	(	STN STN STN STN			Kms. Kms. Kms.	Hrs		Total Kms. (Job) Cum. Kms. (Job)	0.000 0.00
ine No ine No ine No ZANGING ine No	1 Line No	STN STN STN STN Kms Kms		STN STN STN STN COMMENT	Kms. Cu		Kms. Kms. Kms.	Hrs. Hrs		Total Kms. (Job)  Total Kms  Cum. Kms. (Job)  Total Kms	0.000 0.000 0.000
ine No ine No ine No ZANGING ine No	2 Line No	STN STN STN STN Kms Kms		STN STN STN STN COMMENT	Kms. Cu Kms. Cu	t	Kms. Kms. Kms.	Hrs.		Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)	0.000 0.000 0.000 0.000
ine No ine No ine No ZANGING ine No	2 Line No	STN STN STN STN Kms Kms		STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu	t t	Kms. Kms. Kms.	Hrs. Hrs.		Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Kms. (Job)  Total Hours	0.000 0.00 0.00 0.00 0.000 0.000 0.000
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ine No	2 Line No	STN STN STN STN Kms Kms	#Holes	STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs.		Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hrs (Job)	0.000 0.00 0.00 0.00 0.000 0.000 0.00
ine No ine No ine No ANGING ine No ine CLEAR lozer lozer lozer irader irader iraling No.	2 Line No	STN STN STN STN Kms Kms		STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms. Gra	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. OADING		Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hrs (Job)  Elect Dets	0.000 0.00 0.00 0.00 0.000 0.000 0.00
ine No i	2 Line No	STN STN STN STN Kms Kms	#Holes	STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms.Gra Hrs	t t	Kms. Kms. Kms. Kms.	Hrs. Hrs. Hrs. OADING # Holes	# Dets	Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hrs (Job)  Elect Dets  # Charges	0.000 0.00 0.00 0.000 0.000 0.000 0.00
ine No ine No ine No ANGING ine No	2 Line No	STN STN STN STN Kms Kms	#Holes	STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms. Gra Hrs Hrs	t t	PRE LG	Hrs. Hrs. Hrs. OADING # Holes # Holes	# Dets # Dets	Cum. Kms. (Job)  Total Kms Cum. Kms. (Job)  Total Kms Cum. Kms. (Job) Total Hours Total Hours  Total Hrs (Job)  Elect Dets  # Charges # Charges	0.000 0.00 0.00 0.000 0.000 0.000 0.000
ine No ine No ine No ZANGING ine No ine	2 Line No	STN STN STN STN Kms Kms	#Holes #Holes #Holes	STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms.Gra Hrs Hrs	t t	PRE LG	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes	# Dets # Dets # Dets	Cum. Kms. (Job)  Total Kms	0.000 0.00 0.00 0.000 0.000 0.000 0.000
ine No	2 Line No	STN STN STN STN Kms Kms	#Holes #Holes #Holes #Holes	STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Cu Kms.Gra Hrs Hrs Hrs	t t	PRE LG	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets	Total Kms(Job)  Total Kms	0.000 0.000 0.000 0.000 0.000 0.000
ine No ine No ine No ine No  ANGING ine No ine No ine No ine No	2 Line No	STN STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Gra Hrs Hrs Hrs Hrs	t tded	PRE LO	Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes # Holes # Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hrs (Job)  Elect Dets  # Charges # Charges # Charges # Charges # Charges # Charges	0.000 0.000 0.000 0.000 0.000 0.000
ine No	2 Line No	STN STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes	STN STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Gra Hrs Hrs Hrs Hrs	t tded	PRE LO	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes # Holes # Holes Holes Holes Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hrs (Job)  Elect Dets  # Charges	0.000 0.000 0.000 0.000 0.000 0.000
ine No ine No ine No ZANGING ine No ing No ing No.	2 Line No	STN STN STN Kms Kms Kms	#Holes #Holes #Holes #Holes #Holes Cum # Mtr(	STN STN STN STN STN COMMENT	Kms. Cu Kms. Cu Kms. Gra Hrs Hrs Hrs Hrs	t tded	PRE LO	Hrs. Hrs. Hrs. Hrs. OADING # Holes # Holes # Holes # Holes # Holes # Holes Holes	# Dets # Dets # Dets # Dets # Dets # Dets	Total Kms(Job)  Total Kms(Job)  Total Kms(Job)  Total Hours  Total Hours  Total Hrs (Job)  Elect Dets  # Charges	0.000 0.000 0.000 0.000 0.000 0.000

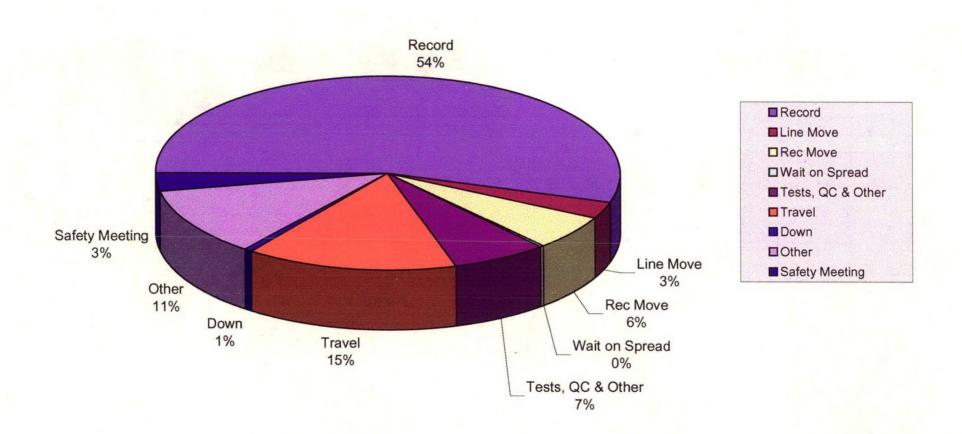
			ı			SERVICES			
REW 401	3 1			JAILY	PRODUCT	ON REPOR	<del>(</del> 1	DATE	. 6-Aug-03
Client	ANSIR						Party Manager.	<b>Bob Stephenson</b>	
Survey Name.	Gawler						Client Rep	David Johnston	
rea	Roxby Downs						Weather	Fine	
State	South Australia								
ECORDING	* (/# 1)			<del></del> -	Kms.	SKI	PS PROFILES		TOTALS
ine No		Rec	Red	;				Profiles	0
ine No	•	Rec	Red					Skips	0
ine No	•	Rec	Red	;				Kms	0.000
ine No	•	Rec	Red	;				Cum Kms	250.80
ine No	•	Rec	Red	;					
IOURS	Travel Time		1.00		Down Time			Extra Charges	9
	Test Time					Recorder		Extra Hrs	0.00
	Recording Time					Cables		Detours Charge Hrs	0.00
Other Time	Line Change					ATU's		WashdownsHrs	0.00
	Recorder Move.					Detours/Terr.		Extra Other Charge	0.00
	Detours/Terrain.				,	W / on Spread	d.	Total ExtraHrs	0.00
	Experimental					Stock Damag		Total Extra(Job).Hrs	0.00
	Load Container		2.2			Other		Processing Hrs	0.00
	Pick up Spread .		4.50					J	
	Weather Time								
	QC Spread				Total Down	Time	0.00	Total DayHrs	8.00
	Safety Meeting		0.30			Time (Job)	0.00	Total Hrs (Job)	184.50
OMMENTS:									
Vi.									
SURVEY									
ine No		STN	ST	N		Kms.			
ine No		STN	ST	N		Kms.			
ine No		STN	ST	N		Kms.			
ine No		STN	ST	N		Kms.		Total Kms	0.000
ine No		STN	ST	N		Kms.		Cum. Kms. (Job)	250.800
CHAINING									
ine No		STN	ST	N		Kms.			
ine No		STN	ST	N		Kms.			
ine No		STN		N		Kms.			
ine No	,	STN	ST	N		Kms.		Total Kms	0.000
ine No		STN		N		Kms.		Cum. Kms. (Job)	250.800
RANGING				ENTS:				100000	
ine No		Kms							
ine No		Kms				•			
ine No		Kms						Total Kms	0.000
ine No		Kms						Cum. Kms. (Job)	0.00
INE CLEAR				Kms. (	Cut				
ozer	1 Line No				Cut		Hrs.	Total Kms	0.000
ozer	2 Line No				Cut		Hrs.	Cum. Kms. (Job)	0.000
ozer	3 Line No				Cut		Hrs.	Total Hours	0.00
Grader	1 Line No				Graded		Hrs.	Total Hrs (Job)	0.00
						PRE LOADIN		Elect Dets	0.00
	1 # Mtr		#Holes	Hrs	ì	1 #Ho		# Charges	
RILLING			#Holes	Hrs		2 #Ho		# Charges	
RILLING ig No.	2 # Mfr		#Holes	Hrs		3 #Ho		# Charges	
RILLING lig No. lig No.	2 # Mtr		HI 10162			4 #Ho		333 500 👁 0	
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RILLING lig No. lig No. lig No. lig No. lig No.	3 # Mtr 4 # Mtr 5 # Mtr		#Holes	Hrs		5 # Ho		# Charges	
RILLING tig No. tig No. tig No. tig No. tig No. tig No.	3 # Mtr 4 # Mtr 5 # Mtr 6 # Mtr	•	#Holes #Holes	Hrs Hrs		6 # Ho	oles # Dets	# Charges	
RILLING tig No. tig No. tig No. tig No. tig No. tig No. otal # Mtr	3 # Mtr 4 # Mtr 5 # Mtr 6 # Mtr		#Holes #Holes Cum # Mtr(Job)	Hrs Hrs	0	6 # Ho .0 Total # Holes.	oles # Dets 0	# Charges Cum #Holes(Job)	0
RILLING ig No.	3 # Mtr 4 # Mtr 5 # Mtr 6 # Mtr	0.0	#Holes #Holes	Hrs Hrs	0	6 # Ho	oles # Dets 0 0	# Charges	

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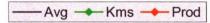
### **RECORDING STATISTICS - 2003 Gawler Seismic Survey**

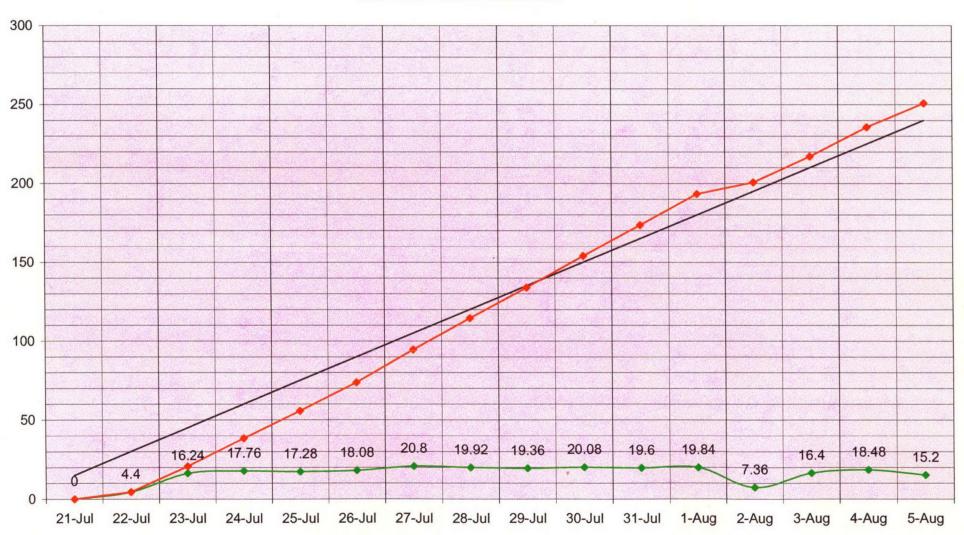
		_				-								_		_		
Date	Line	First Stn	Last Stn	# Stns	#VPs	# Skips	Daily Tot Km	Record	Line Move	Rec Move	Wait on Spread	Tests, QC & Other	Travel	Down	Other	Safety Meeting	Total Daily Hrs	Comments
	03GA-OD1												3.00		7.75	0.50	11.25	
22-Jul	03GA-OD1	1000	1110	222	111		4.40	1.90				1.75	3.00		4.60	0.50	11.75	
	03GA-OD1		1516	406	203		16.24	6.40		0.80		0.60	2.50	0.10	1.10	0.30	11.80	
24-Jul	03GA-OD1	1516	1960	446	220	3	17.76	6.90		0.70		0.80	2.30		0.30	0.30	11.30	
25-Jul	03GA-OD1	1960	2392	432	216		17.28	6.80		0.60		0.50	2.00	0.30	0.50	0.30	11.00	
	03GA-OD1		2844	452	226		18.08	7.00		0.90		1.10	1.70			0.30	11.00	
27-Jul	03GA-OD1	2844	3364	320	260		20.80	8.00		0.50		0.90	1.30				11.00	
	03GA-OD1	3364	3862	512	256		19.92	7.70		1.30		0.80	0.90				11.00	
29-Jul	03GA-OD1	3862	4346	534	265	2	19.36	8.10		0.50		0.90	0.60	0.60			11.00	
	03GA-OD1		4848	502	251		20.08	8.10		0.70		0.90	1.00	-		0.30	11.00	* * * * * * * * * * * * * * * * * * *
	03GA-OD1		5338	490	245		19.60	8.10		0.30		0.90	1.40	_		0.30	11.00	
	03GA-OD1			496	248		19.84	7.80		0.90		0.70	1.30			0.30	11.00	
2-Aug	03GA-OD2	1000	1184	184	92		7.36	3.10	5.40	0.50	-	0.90	1.30			0.30	11.00	
	03GA-OD2		1594	410	205		16.40	6.70	3.40	1.90		0.70	1.40			0.30	11.00	
	03GA-OD2		2056	460	229	1	18.48	7.60	_	0.90	0.60	0.60	1.00			0.30	11.00	
	03GA-OD2			380	190		15.20	6.60		0.50	0.00	0.50	1.50			0.30	9.40	
	03GA-OD2	2006	2430	360	190		15.20	0.00		0.50		0.50	1.00	<b>—</b>	6.70		8.00	· · · · · · · · · · · · · · · · · · ·
6-Aug				-									1.00		6.70	0.30	0.00	
					-	_					<b>—</b>							
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		TC	TALS	6246	3217	6	250.80	100.80	5.40	10.50	0.60	12.55	27.20	1.00	20.95	5.50	184.50	

# 2003 Gawler Seisimic Survey Summary



## 2003 Gawler Seismic Survey





15 Km per day expected production chart



### **ANSIR**

2003 Gawler Seismic Survey

Date Recorded:

22 July To 01 Aug 2003

Observer:

Mike / Peter

Party No. # 401

03GA-OD1

Instrumentation

**Recording System:** Plotter:

Aram 24

GS-612

**Shooting System:** 

Pelton Advance II Model 6

Geophone Modél:

OYO GS-32CT

**Recording Parameters** 

Record Length: **Noise Edit Type:**  20,000 Mil

None 3 Hz

Time Break

Sample Rate: **Tape Format:** 

High Cut: Aux. Chan. #2:

Seg Y 164 Hz True Reference

2 ms.

Preamp Gain: Tape:

30 dB

32 Bit Floating Point Out

Low Cut Filter: Aux. Chan. #1: **CSM Process:** 

Correlate Before Stack

Stations in Gap:

HPE Filter: Aux. Chan. #3:

N/A

10 Hz

3" Spikes

No. of Chan.:

240 + 2 Aux

**Receiver Parameters** 

Geophone Array: **Geophone Wiring:** 

**Geophone Spacing Receiver Station Intervals: Receiver Station Centre: Direction of Recording:** 

12 Over 40 M 12 Phones Series/ Parallel

3.3 M 40 M Mid Station North To South Geophone Frequency: Geophone Base: **Geophone Damping:** No. of Receiver Lines:

0.70% First Receiver On Line 1000 **Last Receiver On Line** 5834

**Source Parameters** 

Source Type:

**Vibe Spacing:** Source Point Intervals: Sweep Length: Source Centre:

Sweep # 1 Sweep # 2 Sweep #3 IVI Hemi 60 Vibrator

15M 80 M 12,000 Mil On Peg 7-56 Hz 12-80 HZ 8-72 Hz

Source Array Length: Vibe Move ups:

**Number of Composites:** Sweep Taper: Sweep Type: Num Vibes On Line: **First Source Point:** 

**Last Source Point:** 

60 M

15 M

200 Mil

3

3490E And Exabyte Tape Summary

Comments:

Record length changed to 18,000 mil at file 307



### **ANSIR**

2003 Gawler Seismic Survey

**Date Recorded:** 

02 To 05 August 2003

Observer:

Mike / Peter

Party No. # 401

03GA-OD2

Instrumentation

**Recording System:** 

Plotter:

Aram 24

GS-612

**Shooting System:** 

Pelton Advance II Model 6

Geophone Model:

OYO GS-32CT

**Recording Parameters** 

Record Length: Noise Edit Type: Low Cut Filter:

18,000 Mil None 3 Hz

Time Break

Sample Rate: **Tape Format:** 

**High Cut:** Aux. Chan. #2:

164 Hz True Reference Preamp Gain: Tape:

30 dB

32 Bit Floating Point HPE Filter: Out

Aux. Chan. #1: CSM Process:

Correlate Before Stack

Stations in Gap:

2 ms.

Seg Y

Aux. Chan. #3: No. of Chan.:

N/A

240 + 2 Aux

**Receiver Parameters** 

Geophone Array:

Geophone Wiring: Geophone Spacing

**Receiver Station Intervals: Receiver Station Centre:** Direction of Recording:

12 Over 40 M

12 Phones Series/ Parallel 3.3 M

40 M

Mid Station West To East Geophone Frequency: Geophone Base:

Geophone Damping: No. of Receiver Lines: First Receiver On Line Last Receiver On Line

0.70% 1000 2436

10 Hz

3" Spikes

**Source Parameters** 

Source Type:

Vibe Spacing: Source Point Intervals:

Sweep Length: Source Centre: Sweep # 1 Sweep # 2 Sweep # 3

IVI Hemi 60 Vibrator

15M 80 M 12,000 Mil On Peg 7-56 Hz 12-80 HZ 8-72 Hz

Source Array Length: Vibe Move ups:

**Number of Composites:** Sweep Taper: Sweep Type:

Num Vibes On Line: **First Source Point: Last Source Point:** 

200 Mil Linear 3 1000

2436

60 M

15 M

3490E And Exabyte Tape Summary

Comments:

Olympic Dam Experimentals 22/07/03 40 m group interval, 80 m vibe interval 240 channel, 2 ms sample rate Record length 20 s

Project code 28106 Survey No L163

FFID	VP	Spread	Sweep	Sweep	No	Sweep	Source	No	Source array	Comments
No			Type	Freq	Sweeps	Length (s)	Config	Vibes	length	
1	1118	1000-1239	Vari	7 - 56hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 1 freqs
				12 - 80hz	3	12		3	60	
				8 - 72hz	3	12	***************************************	3	60	
2	1120	1002-1241	Vari	7 - 56hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 1 freqs
				12 - 80hz	3	12		3	60	
			20	8 - 72hz	3	12		3	60	
3	1122	1004-1243	Vari	7 - 56hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 1 freqs
				12 - 80hz	3	12		3	60	
			50. (Fall)	8 - 72hz	3	12		3	60	
4	1124	1006-1245	Vari	7 - 56hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 1 freqs
				12 - 80hz	3	12		3	60	
				8 - 72hz	3	12		3	60	
10	1126	1008-1247	Vari	7 - 56hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 1 freqs
				12 - 80hz	3	12		3	60	
				8 - 72hz	3	12		3	60	1 - 30 A/45 - 0.
5	1118	1000-1239	Vari	8 - 64hz	3	12	15mUp, 15P-P	3	60	New design 1
			,	12 - 90hz	3	12		3	60	
				10 - 76hz	3	12	1	3	60	
6	1120	1002-1241	Vari	8 - 64hz	3	12	15mUp, 15P-P	3	60	New design 1
				12 - 90hz	3	12		3	60	
				10 - 76hz	3	12		3	60	
7	1122	1004-1243	Vari	8 - 64hz	3	12	15mUp, 15P-P	3	60	New design 1
				12 - 90hz	3	12		3	60	
				10 - 76hz	3	12	A 2 C AND SECURITY	3	60	
8	1124	1006-1245	Vari	8 - 64hz	3	12	15mUp, 15P-P	3	60	New design 1
				12 - 90hz	3	12		3 -	60	
				10 - 76hz	3	12		3	60	
9	1126	1008-1247	Vari	8 - 64hz	3	12	15mUp, 15P-P	3	60	New design 1
				12 - 90hz	3	12		3	60	
		2000		10 - 76hz	3	12		3	60	
11	1118	1000-1239	Vari	6 - 90hz	3	12	15mUp, 15P-P	3	60	New design 2
				12 - 80hz	3	12		3	60	2000
				8 - 72hz	3	12		3	60	

FFID	VP		Spread	Sweep	Sweep	No	Sweep	Source	No	Source array	Comments
No				Type	Freq	Sweeps	Length (s)	Config	Vibes	length	
12	1120	)	1002-1241	Vari	6 - 90hz	3	12	15mUp, 15P-P	3	60	New design 2
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			12 - 80hz	3	12		3	60	
				5 4 700	8 - 72hz	3	12		3	60	
13	Void Noise	n line		. 10 5 5 5 5 5 5	C 41 (0:10)						
14	112	2	1004-1243	Vari	6 - 90hz	3	12	15mUp, 15P-P	3	60	New design 2
					12 - 80hz	3	12	N. AND ROBERTS (2004 - 100 PM - 11 - 12 - 12 - 12 - 12 - 12 - 12 - 1	3	60	
20					8 - 72hz	3	12	100 M22 N	3	60	
15	112	4	1006-1245	Vari	6 - 90hz	3	12	15mUp, 15P-P	3	60	New design 2
					12 - 80hz	3	12		3	60	
				20.12	8 - 72hz	3	12		3	60	
16	1120	3	1008-1247	Vari	6 - 90hz	3	12	15mUp, 15P-P	3	60	New design 2
				* NO. 1070/100 (1970) (1970)	12 - 80hz	3	12		3 .	60	
					8 - 72hz	3	12		3	60	
17	1111	3	1000-1239	Vari	8 -72hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 3 freqs
					12 - 100hz	3	12		3	60	
					6 - 80hz	3	12		3	60	
18	112	)	1002-1241	Vari	8 -72hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 3 freqs
			3		12 - 100hz	3	12		3	60	
					6 - 80hz	3	12		3	60	
19	112	2	1004-1243	Vari	8 -72hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 3 freqs
					12 - 100hz	3	12		3	60	
					6 - 80hz	3	12		3	60	
20	112	4	1006-1245	Vari	8 -72hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 3 freqs
				·	12 - 100hz	3	12		3	60	
	3	· ·			6 - 80hz	3	12		3	60	
21	112	3	1008-1247	Vari	8 -72hz	3	12	15mUp, 15P-P	3	60	Yil 2001 line 3 freqs
					12 - 100hz	3	12		3	60	
					6 - 80hz	3	12		3	60	
22	111	3	1000-1239	Vari	7 - 56hz	2	15	10 mUp, 25P-P	3	60	Batten trough tests
					12 - 90hz	2	15		3	60	
23	112	)	1002-1241	Vari	7 - 56hz	2	15	10 mUp, 25P-P	3	60	Batten trough tests
					12 - 90hz	2	15	(	3	60	
24 .	112:	2	1004-1243	Vari	7 - 56hz	2	15	10 mUp, 25P-P	3	60	Batten trough tests
					12 - 90hz	2	15		3	60	
25	112	4	1006-1245	Vari	7 - 56hz	2	15	10 mUp, 25P-P	3	60	Batten trough tests
					12 - 90hz	2	15		3	60	
26	112	3	1008-1247	Vari	7 - 56hz	2	15	10 mUp, 25P-P	3	60	Batten trough tests
					12 - 90hz	2	15		3	60	
*											

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	<b></b>
188 888				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 1 mod freqs
				12 - 80hz	3	12		3	60	
777-10-1-1-1			* *	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 fregs
		1000 1211		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
		1000 1200		12 - 80hz	3	12	1,0 (	3	60	testing no moveup
<del></del>	<del>-   -   -   -   -   -   -   -   -   -  </del>			8 - 72hz	3	12	*	3	60	tooting no though
43	1120	1002-1241	Vari	7 - 56hz	3	12	No mUp, 15P-P	3	60	Final Frequencies
	1,120			12 - 80hz	3	12	110 1110 1	3	60	testing no moveup
	<u> </u>			8 - 72hz	3	12		3	60	g
44	1122	1004-1243	Vari	7 - 56hz	3	12	No mUp, 15P-P	3	60	Final Frequencies
		1001 1210		12 - 80hz	3	12	, tocp, to: .	3	60	testing no moveup
	_			8 - 72hz	3	12		3	60	toothing indicates
45	1124	1006-1245	Vari	7 - 56hz	3	12	No mUp, 15P-P	3	60	Final Frequencies
		1,000 1240	7 411	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
	1,120	1000-1247	+ 411	12 - 80hz	3	12	no mop, for 4	3	60	testing no moveup
				8 - 72hz	3	12		3	60	toothing no moveup