



Dynamic

Satellite

Surveys

01-01

*Final Operations Report
on the*

Santos Limited

***2001 Heytesbury / Nirranda
Seismic Survey***

for

WESTERNGECO (A) PTY LTD

January - March 2001



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1



INTRODUCTION

The following report covers the **Heytesbury / Nirranda Seismic Survey** operations, performed by **Dynamic Satellite Surveys Pty Ltd** (DSS) whilst contracted to **WesternGeco (A) Pty Ltd** for **Santos Limited**.

The survey operation consisted of approximately 194 square kilometres of 3D seismic lines and was located approximately 10 kilometres north of Peterborough, Victoria.

DSS commenced work on January 15th with the first pegs being placed on January 21st. The job was completed on March 21st, with one survey team remaining until March 28th when recording was completed.

The program consisted of 44 source lines with an 80m peg interval and 102 receiver lines with a 40m peg interval.

Dynamic Satellite Surveys completed all line ranging, pegging and surveying and assisted in vibe scouting for approximately half the project duration.

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INSTRUMENTATION AND PERSONNEL

2.1 Personnel

DSS personnel involved in the survey were as follows.

Senior Surveyors:

Lynne Baker	-	Bachelor of Geomatic Engineering - UNSW
Paul Carmody	-	Diploma of Engineering Surveying - DDIAE
Tim McCall	-	Bachelor of Applied Science (QIT)
Tom Pickett	-	Bachelor of Surveying - Curtin University of Technology
Ron Weekes	-	Bachelor of Applied Science - WAIT
Denis Williams	-	Bachelor Applied Science (Surveying) / Bachelor Information Technology

Surveyors:

David Chachs	-	Bachelor of Geomatics - University of Melbourne
Russell Jackson	-	Bachelor of Applied Science - RMIT
Greg Nicholas	-	Surveying and Mapping Sciences (Honours) - University of East London U.K.
Greg Paull	-	Bachelor of Surveying - University of South Australia
Adam Skapin	-	Bachelor of Technology (Surveying)

Survey Assistants:

Maree Davey	-	Survey Assistant / Chef
Gus Hosemann	-	Survey Assistant
Scott Stansfield	-	Survey Assistant (local hire)
Renae Turner	-	Survey Assistant (local hire)
George Williams	-	Survey Assistant

2.2 Equipment

Equipment provided by DSS and used on this project:

Equipment	Description	Quantity
<i>Vehicles</i>	Toyota Landcruiser Trayback - DSS	1
	Toyota Hilux Dualcab - DSS and Hire	6
	Toyota Landcruiser Wagon - Hire	1
<i>GPS receivers</i>	NovAtel 2151R / RT c/w VHF telemetry	3
	NovAtel RT20 c/w VHF Telemetry	9
	Garmin GPS 128	1
<i>Computers</i>	Dell Pentium Portable PC	1
	GRiD 386 Field PC	10
<i>Software</i>	Waypoint GPS post-processing	1
	NAV98 field software	Ver 3.9 / Ver 4.0
	MIB2001 for Windows	Ver 4.0.2
<i>Printer</i>	HP DeskJet 340 Printer	1
	Sharp AL-840 Digital Printer / Copier	1
<i>Survey instruments</i>	Suunto Compass/Clinometer	6
<i>Miscellaneous</i>	Sundry office and transport equipment	
	Field and Office Consumables	

2.3 Logistics

Personnel and equipment logistics were supported by the DSS Yeppoon office.

Survey operations were based from a house in Peterborough at 24 Merrett Road. Accommodation was at 18 Merrett Road, 81 Merrett Road and the Schomberg Inn in Peterborough.

By renting houses, DSS had a fixed location for office, accommodation, and storage for the duration of the job.

DSS crews mobilised and demobilised by hire or company vehicle to the closest major town and then to the Yeppoon office or home.

DSS was solely contracted to WesternGeco for all operations.

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SURVEY REFERENCE SYSTEMS

3.1 Survey Datum

Geodetic Datum

3.1.1

Raw GPS data is acquired on the World Geodetic System 1984 (WGS84) datum, described by the following parameters:

Datum:	WGS84 (World Geodetic System 1984)
Spheroid:	WGS84
Semi-Major Axis Length	6 378 137.0
Inverse Flattening	298.257223563
The Unit of Measure:	International Metre

Coordinate sets were transformed directly to the Australian Map Grid (AMG) based on the Australian Geodetic Datum 1966 (AGD66):

Datum:	AGD66 (Australian Geodetic Datum 1966)
Spheroid:	ANS (Australian National Spheroid 1966)
Semi-Major Axis Length:	6 378 160.0
Inverse Flattening:	268.25
The Unit of Measure:	International Metre

Coordinate conversions from WGS84 to AGD66 are performed using the following seven transformation parameters:

Translations:	ΔX :	116.00 m	ΔY :	50.47 m	ΔZ :	-141.69 m
Rotations:	$R\Omega$:	0.230"	$R\phi$:	0.390"	$\Delta\kappa$:	0.344"
Scale:	bs:	-0.0983 ppm				

Map Projection

3.1.2

Rectangular coordinates provided were based on the Australian Map Grid (AMG).

Parameters for this projection are:

Projection:	AMG Zone 54
Latitude of Origin:	0°
Central Meridian (CM):	141° E
Scale Factor at CM:	0.9996
False Easting:	500 000
False Northing:	10 000 000
The Unit of Measure:	International Metre

Final data was presented as AMG66 and AHD coordinates as requested by the client.

Existing survey data received by DSS was in the Australian Geodetic Datum (AGD66) coordinate system.

Height Datum

3.1.3

Observations are made on the WGS84 datum. The height associated with this datum is an ellipsoidal height (h). The Australian Height Datum (AHD), uses a height datum associated with the Australian Map Grid (AMG), as an orthometric height, which is measured as the height above mean sea level or the geoid (H).

The function that defines the relationship between the ellipsoid and orthometric heights is:

$$H = h - N$$

Or

$$\text{AHD} = \text{WGS84} - \text{Geoid-Ellipsoid Separation}$$

A digital geoid to spheroid model (AUSGEOID98) was used for automatic determination of N. This allowed orthometric heights within the survey area to be readily derived.

A best fit model was calculated for the survey area with the models' residuals (less than 40mm) indicating a good solution, reflecting the uniform change in geoid slope within the extents of the model.

3.2 Survey Parameters

Survey Parameters were supplied to DSS by WesternGeco, prior to the survey. Origin coordinates and grid bearings were computed and entered into DSS in-house software.

Cross checks were made to station coordinates supplied by WesternGeco to confirm the correct parameters used for the survey.

Line preparation files were not required for Surveying. DSS software computed any required line in the field by simple mathematical equations using the design parameters.

Line files were required for use by line clearers in their navigational software. These files were computed from the design parameters and installed into the computer systems used by the line clearers.

Design Parameters:

Parameter	Receiver Lines	Source Lines
Grid Bearing	9° 42' 36"	99° 42' 36"
Station Interval	40m	80m
Line Spacing	320m	320m
Line increment	8	8
In-line tolerance	2m	5m
Cross-line tolerance	8m	8m

Origin Coordinates:

Station	R 10005000	S 50001000	False Origin
Easting	645922.22	645958.24	645918.85
Northing	5732134.83	5732108.37	5732115.12

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SURVEY CONTROL

4.1 Datum

The datum for the prospect was derived from **Flaxman's Hill** Trigonometric Station, located approximately four (4) kilometres south of Nirranda. This survey station is listed as a 2nd order horizontal and 3rd order vertical mark and consists of a brass plaque set in concrete with a beacon ground mark.

The AMG66 coordinates of this station are as follows.

Station Name	Easting	Northing	Height (AHD)	Order
Flaxman's Trig	652309.188	5732603.399	75.646	Hz 2, Vt 3

The control network, which can be seen in **Appendix B - Control Network Diagram**, contained four existing survey stations which have been used in previous surveys in the area. The miscloses to these marks are shown below.

Survey Station Name	Easting	Northing	Elevation	Comments
Cooriejong Trig	-0.06	-0.04	-0.40	State Trig.
RES1 (RES 2000)	-0.17	-0.02	-0.00	
BAS1	-0.08	-0.03	-0.26	PKV88-02
WA97-02 203	+0.20	+0.40	-0.10	Nullawarre

The Cooriejong Trig Station was used in conjunction with Flaxman's Hill Trig as the datum for the survey, in order to tie in old survey work in all areas.

Numerous base stations were established during the survey, all incorporated in the survey network. Diagrams of all bases are located in **Appendix C - Survey Base Diagrams**.

All ties to other survey stations are listed in **Appendix A - Control Survey, Miscloses and Ties.**

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MONUMENTATION

Receiver lines were denoted with a blue, numbered, wooden peg on every station and blue plastic flagging tape attached. On the ground at each receiver station a cross was spray painted for ease of recovery by main crew. In total, 15240 receiver stations were placed and surveyed.

Source stations consisted of a white, numbered, wooden peg for all stations. Pink flagging tape was attached to the peg. In the case of offsets, an additional peg was placed with the offset details noted and was flagged with blue and white tape. A spray mark was placed on the ground at each peg for ease of relocation. In total, 7772 source stations were placed and surveyed.

Red flagging tape was used to denote any hazards throughout the prospect area.

Orange pegs marked with line names were placed on roadways for ease of navigation by all contractors and main crew. Blue flagging on the peg denoted a receiver line, pink a source line.

New GPS base stations consisted of a steel star picket driven in the ground, tagged with the base station name, the job number (01-01), DSS and SANTOS on an aluminium plate.

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METHOD OF SURVEY

6.1 Line Ranging

Lines were ranged using either a traditional method of compass, or by using real-time kinematic GPS, mounted on a backpack. Only some sections of receiver lines required ranging, through forest areas.

Approximately five percent (5%) of the prospect required ranging, the remainder being in open, grazing country.

6.2 RT20 Surveying

The lines were surveyed using DSS' RT20 real-time kinematic surveying technique. RT20 enables both position and elevation coordinates to be acquired in real-time and on the appropriate datum.

The survey method utilised phase data received from US Navy NAVSTAR Satellites to provide three-dimensional positioning. One receiver was set up as a base station at a known location (as per the survey network shown in **Appendix B - Control Network Diagram**), while other receivers were used as remote rovers.

NovAtel real-time kinematic can achieve accuracies of better than +/- 0.3m in position and elevation, depending on base line length. The expected precision for locating pegged positions is better than 0.3 metres in both elevation and height relative to the base station used and is generally better than 0.2 metres.

Initialisation of the RT20 rover GPS usually takes as little as 2-3 minutes, although this is greatly dependant on satellite geometry, availability, and base line length.

Custom-made software navigates the surveyor to any peg location within the prospect, the pegs are placed on the ground and coordinates are surveyed in real-time.

Checks and ties were examined in both real-time operation and through the control network, to assess coordinate integrity. Four percent (4%) of pegs were surveyed twice as a further check on precision.

The field data was edited into line files and examined for quality control.

6.3 *REM Techniques*

In some areas of forests, Differential GPS was unable to be used. The Rapid Elevation Metre (REM) was used in these areas. The REM contains a digi-quartz barometer and can be utilised to determine elevations along a seismic line.

This method involved establishing elevation reference points by either RT20 GPS or from existing survey marks at the end of the section to be surveyed. With these points as a datum the REM software routine developed by DSS will enable the elevation of any number of intermediate points to be determined.

The REM software includes quality control elements and the surveyors can finalise elevations in the field before moving onto the next section.

6.4 *GPS Processing and Quality Control*

When using RT20, all data is recorded internally in GRiD palmtop data loggers and downloaded to the office computer each evening. Quality of the satellite data was monitored by careful examination of the various on-screen quality control statistics produced by DSS' software.

These checks on data integrity are in the form of standard deviation (or sigma) values for latitude, longitude and height and are generally better than 0.2 metres. Any recording of positions when the values are in excess of 0.3m is highlighted to the surveyor at time of recording, and the GPS may be re-initialised until a more accurate solution is calculated.

The coordinates are then checked against the programmed positions. Points outside specified distance tolerances are flagged for further investigation and re-surveyed as necessary.

Profile plots are examined to identify any height anomalies.

The surveyed points were overlaid on a digital aerial photo and visually checked. Any points that appeared to be too close to structures such as houses or dams were checked in the field and moved as necessary.

All newly surveyed coordinates were given to WesternGeco IMS personnel each day. Any queries or pegs requiring repositioning were dealt with promptly and new coordinates were issued.

IMS also provided Surveyors with a range of maps, useful for planning offsets for source lines and streamlining the survey operation.

6.5 *Assisted Vibrator Scouting*

DSS provided a surveyor for the purpose of vibe scouting in front of main crew. The primary purpose was to re-establish fallen and missing pegs. In addition, the surveyor aided in navigation for the crew and the other vibe scouts.

The surveyor was equipped with a GPS unit and, where possible, a differential link to a base station as was used by all other surveyors.

Some pegs were re-located during this process and the surveyor was there to re-record the exact position of the moved peg. Where it was decided by the recording crew to move peg locations, the surveyor could locate the position within the bin area, and record the peg position.

All moved peg locations were updated in the office each day.

The DSS scout remained on crew until the completion of the recording phase.

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DATA PRESENTATION

Final survey coordinates were provided to WesternGeco each day during the survey. These were digital files containing AMG66 coordinates and AHD heights. At the completion of the job a full list of survey coordinates was provided to WesternGeco as a check for IMS data integrity.

All files are backed up on digital disks in the Yeppoon Office for future reference.

No hard copy data was provided.

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SAFETY

DSS personnel are aware of safety conditions concerning all exploration seismic surveys. The DSS “Quality Policy Statement” and “Health, Safety and Environment” policy were adhered to at all times.

DSS personnel attended all safety meetings conducted by WesternGeco and conducted daily morning toolbox meetings. Safety information and non-conformances were recorded on Hazard Tracking Sheets with the aid of the Stop Card System.

The Hazard Tracking Sheets list all the hazards found in the area by DSS and these can be found in **Appendix I - Hazard Tracking Sheets**. A total of eighty-five (85) stop cards were completed for the survey.

Driverights were fitted to all DSS vehicles in late February and will remain on the vehicles for all future work. The Driverights were downloaded each Sunday and records were kept on crew and sent to the Yeppoon office.

Each DSS vehicle was fitted with a UHF radio, fire rake or shovel, fire extinguisher, first-aid kit, vehicle recovery equipment, flashing orange beacon and weekly vehicle maintenance check lists. Vehicles were cleaned each morning to ensure all salt, dust and grass build up was removed. Diesel was purchased from Timboon and Nullawarre.

The DSS office maintained communication with field parties using mobile phones and UHF radio.

There were no less than two CDMA mobile phones in the field on any working day and a digital phone was also present in one of the vehicles. Mobile phone coverage was good in most sections of the prospect.

No LTIs (Lost Time Injuries), or near misses were reported for the survey. Two low risk accidents were reported using WesternGeco’s RIR system and DSS’ accident/incident recording system.

WesternGeco provided DSS with Safety Meeting Minutes which were posted on the office board for all DSS personnel to peruse. Code of Conduct guidelines were also provided to DSS, and these were read a number of times at morning toolbox meetings and were kept in each vehicle at all times.

A master Permit and Consent Book was kept in the office and each vehicle was equipped with an up-to-date book.

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OPERATIONAL ASPECTS

Survey operations on most lines on this project was very efficient. A total of 614.88 kilometres of receiver lines and 605.52 kilometres of source lines was surveyed in 49 days (not including fire ban days or other non-production days) giving an average daily production rate of nearly 25 kilometres per day.

Small sections of native scrub, the Curdies River area and fodder crops meant infill survey had to be conducted, slowing production in these areas. Areas of scrub had to be line ranged for line clearing crews before survey could commence. With only five percent (5%) of the job requiring clearing and infill, this had little effect on production for the overall job.

There was limited down time due to equipment problems, equating to only a few hours in total. There was about one hour per day where the GPS could not be effectively utilised due to poor satellite geometry and availability. Planning, numbering pegs and flagging access was carried out during these times.

DSS commenced the survey from the eastern side of the prospect approximately four weeks before recording started, and continued to the west.

The tender document provided by DSS stated that fencing of receiver lines would be conducted ahead of the survey crew, using GPS provided by DSS. The initial meeting with the client confirmed this approach to the fencing operation. However, only five percent (5%) of receiver lines were fenced ahead of the survey crews.

This significantly slowed down the survey of receiver lines. Communication between survey and fencing was inadequate on this matter. The importance of this problem should have been stressed at an early stage of the job.

Five (5) new surveyors were employed at the start of this job. Their training lasted one week and all learnt quickly and were able to work unsupervised in the field. Each new surveyor was given a “tour” of the seismic crew operations which included visiting the recorder and seeing the vibrator trucks in action. They also participated in the survey office procedure completing one days processing each.

All staff completed a one day, SANTOS approved driver training course run by the Driver Training and Education Centre.

A one day basic first aid training course was attended by 11 staff (those without first aid certificates) and was run by South-West First Aid.

Over the period of the job there were two (2) full and three (3) partial fire ban days when DSS was required to stop work in the field and remain on standby. This time was used for cleaning vehicles, marking the roads with line pegs, training and rest.

For sections requiring line clearing, DSS made field notes whilst surveying and these were collated in the office and passed on to Exploration Field Services (EFS) personnel. When line clearing had been completed, the EFS personnel reported back to the DSS office and infill surveying was completed.

On many occasions, wrong information about completed areas of line clearing was given to DSS. This meant lost time in the field, lost production and more confusion when this section of line clearing was placed back in the system to be cleared again.

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CONCLUSIONS AND RECOMMENDATIONS

The prospect was very suitable to RT20 GPS pegging. This was mainly because of the open paddocks and limited pockets of trees.

DSS provided enough people to efficiently complete the job in a safe manner. Five new surveyors were hired for the job, and trained as the survey proceeded. A better understanding of seismic operations was adopted by all after seeing the whole process.

Learning the data reductions and survey office procedure helped the new surveyors to gain a better understanding of the field work and overall survey operation.

The survey control network tied in extremely well with the surrounding survey marks and all new points of the survey met the required survey tolerances.

The placing of spray paint at the base of each peg won much praise from all field parties and DSS will continue to use this method of marking stations. A large percentage of the flagging tape placed on pegs, fences and trees was non-existent at the time of recording due to cattle. However, placing flagging tape at the time of survey allowed easy navigation for the fencing crew and the line slasher, as they proceeded a couple of days behind survey for most of the job.

It is recommended that in future, problems with fencing be identified early and that communication about fencing issues be held directly with the head fencer rather than middle management. There was a lack of communication between field surveyors and fencers which resulted in a loss of efficiency and job comradery.

Also, because DSS was sub-contracted to WesternGeco, and EFS was working directly for the client, there seemed to be a long chain of command. Adhering to this chain was inefficient and frustrating for all field surveyors and no doubt fencing crews and all relevant parties concerned.

The segregation of different companies also contributed to this problem with most people only congregating once a week at safety meetings. This caused a lack of interaction between workers and limited communication at the base level.

In future, DSS believes that by having more control over all operations such as fencing, line clearing, slashing and surveying, a more efficient survey could be completed.

The Stop Card and Hazard Tracking system worked well but was not used to its full potential. Some staff considered “small” safety issues to be too trivial to report. The importance of the safety tracking system has been emphasised in DSS monthly newsletters and at safety meetings and will develop into a great tool during future projects.

Submitted by,

Denis Williams

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APPENDICES

Control Survey, Miscloses and Ties

Coordinates are AMG66 Zone 54 Central Meridian 141°

Heights are AHD, using AUSGEOID98 N value model

SURVEY DATUM

Station Name	Easting	Northing	Height (AHD)	Order
Flaxmans Trig	652309.188	5732603.399	75.646	Hz 2, Vt 3
Cooriejong Trig	678345.66	5735499.63	151.69	Hz 2, Vt 3

CONTROL POINTS FOR SURVEY

The following points have GPS Static Observation and were used as RT20 bases.

Station	Easting	Northing	Elevation	Comments
BAS1	675089.21	5729931.91	89.437	PKV88-02
BAS2	674941.12	5733278.25	140.996	
BAS3	668503.17	5736020.72	106.314	
BAS4	663783.42	5734536.17	70.989	
BAS5	669141.41	5739246.51	75.487	
BAS6	674693.96	5733199.67	139.423	
BAS7	672630.05	5737373.48	123.741	
BAS8	663554.61	5731142.56	30.855	
BASENULL	652561.79	5740721.01	52.916	WA97-02
BASERES1	660743.33	5739062.21	71.399	RES (2000)
BASEPETE	662291.95	5725530.42	13.905	@antenna

ENVIRONMENTAL MONITORING POINTS (EMPs)

Station	Easting	Northing	Elevation	Seismic Line
EMP1	662529.60	5740012.43	62.68	R 1372
EMP3	660436.98	5735377.20	~1.0	R 1344
EMP4	674957.91	5736756.98	138.00	R 1696

Coordinates are AMG66 Zone 54 Central Meridian 141°

Heights are AHD, using AUSGEOID98 N value model

SURVEYS TIES AND MISCLOSES

STATION	EASTING	NORTHING	RL	COMMENTS	METHOD
RES1	660743.50	5739062.23	71.40	Given Coords	
OS00A-S668	660743.33	5739062.21	71.40	Our Coords	Fixed static
668349+08	-0.17	-0.02	0.00	Misclose	
BASENULL	652561.60	5740720.60	53.00	Given Coords	
WA97-02 203	652561.79	5740721.00	52.92	Our Coords	Fixed static
	0.19	0.40	-0.08	Misclose	
PENRYN #1	670523.50	5733775.40	112.20	Given Coords	
	670523.40	5733775.20	112.40	Our Coords	RT20 - 29TP
	-0.10	-0.20	0.20	Misclose	
VO88-13 205+14	677946.60	5731619.13	119.50	Given Coords	
	677946.20	5731619.16	120.00	Our Coords	RT20 - day029
	-0.40	0.03	0.50	Misclose	
SKULL CREEK #1	673411.60	5729963.10	95.00	Given Coords	
	673411.40	5729962.20	88.70	Our Coords	RT20 - 32TP
	-0.20	-0.90	-6.30	Misclose	
SKULL CREEK	673917.60	5730168.00	84.00	Given Coords	
NORTH #1	673917.80	5730167.90	78.20	Our Coords	RT20 - 32TP
	0.20	-0.10	-5.80	Misclose	

STATION	EASTING	NORTHING	RL	COMMENTS	METHOD
SE77	670897.7	5735514.7	123.1	Given Coords	WAARRE 3D
	670897.4	5735514.7	123.2	Our Coords	RT20 - 38RW
	-0.28	-0.03	0.13	Misclose	
SET24	663410.91	5731244.80	34.76	Given Coords	WAARRE 3D
	663412.72	5731253.21	34.78	Our Coords	RT20 - 59RJ
	1.81	8.41	0.02	Misclose	
OS00A-S564 349+7	656643.09	5739762.61	63.38	Given Coords	CurdieVale 3D
	656643.10	5739762.61	63.28	Our Coords	RT20 - 63LB
	0.01	0.00	-0.10	Misclose	

Control Network Diagram

Survey Bases and Environmental Monitoring Points - Diagrams

Prospect Map

Source Line Listing

Source Line Listing - Heytesbury

Line	Start	End	Distance	Line	Start	End	Distance
5000	1404	1454	2.00	5128	1600	1806	8.24
5008	1404	1454	2.00	5136	1404	1486	3.28
5016	1404	1454	2.00	5136	1600	1806	8.24
5024	1404	1454	2.00	5144	1404	1486	3.28
5032	1404	1478	2.96	5144	1600	1806	8.24
5040	1404	1478	2.96	5152	1404	1486	3.28
5048	1404	1486	3.28	5152	1600	1806	8.24
5056	1404	1486	3.28	5160	1404	1486	3.28
5064	1404	1486	3.28	5160	1600	1806	8.24
5064	1688	1750	2.48	5168	1404	1494	3.60
5072	1404	1486	3.28	5168	1600	1806	8.24
5072	1688	1758	2.80	5176	1404	1510	4.24
5080	1404	1486	3.28	5176	1576	1806	9.20
5080	1688	1766	3.12	5184	1404	1518	4.56
5084	1704	1734	1.20	5184	1544	1806	10.48
5088	1404	1486	3.28	5192	1404	1806	16.08
5088	1688	1774	3.44	5200	1404	1806	16.08
5096	1404	1486	3.28	5208	1404	1806	16.08
5096	1688	1806	4.72	5216	1404	1806	16.08
5104	1404	1486	3.28	5224	1404	1806	16.08
5104	1688	1806	4.72	5232	1404	1806	16.08
5106	1704	1734	1.20	5240	1404	1806	16.08
5112	1404	1486	3.28	5248	1404	1774	14.80
5112	1688	1806	4.72	5256	1404	1582	7.12
5120	1404	1486	3.28	5264	1404	1582	7.12
5120	1600	1806	8.24	5272	1404	1566	6.48
5128	1404	1486	3.28	5280	1404	1550	5.84

Total Distance = 335.20 Kilometres

Source Line Listing - Nirranda

Line	Start	End	Distance	Line	Start	End	Distance
5000	1392	1404	0.48	5184	1064	1226	6.48
5008	1392	1404	0.48	5184	1328	1404	3.04
5016	1392	1404	0.48	5192	1064	1230	6.64
5024	1392	1404	0.48	5192	1320	1404	3.36
5032	1392	1404	0.48	5200	1064	1230	6.64
5040	1392	1404	0.48	5200	1320	1404	3.36
5048	1392	1404	0.48	5208	1064	1230	6.64
5056	1384	1404	0.80	5208	1320	1404	3.36
5064	1384	1404	0.80	5216	1056	1230	6.96
5072	1376	1404	1.12	5216	1320	1404	3.36
5080	1360	1404	1.76	5224	1048	1230	7.28
5088	1360	1404	1.76	5224	1320	1404	3.36
5096	1352	1404	2.08	5232	1040	1230	7.60
5104	1352	1404	2.08	5232	1320	1404	3.36
5112	1352	1404	2.08	5240	1032	1404	14.88
5120	1352	1404	2.08	5248	1024	1404	15.20
5128	1344	1404	2.40	5256	1016	1404	15.52
5136	1344	1404	2.40	5264	1008	1404	15.84
5144	1128	1226	3.92	5272	1000	1404	16.16
5144	1344	1404	2.40	5280	1000	1404	16.16
5152	1120	1226	4.24	5288	1000	1366	14.64
5152	1344	1404	2.40	5296	1000	1366	14.64
5160	1112	1226	4.56	5304	1000	1142	5.68
5160	1344	1404	2.40	5312	1000	1134	5.36
5168	1080	1226	5.84	5320	1000	1126	5.04
5168	1336	1404	2.72	5328	1008	1094	3.44
5176	1072	1226	6.16	5336	1008	1078	2.80
5176	1336	1404	2.72	5344	1008	1078	2.80

Total Distance = 279.68 Kilometres

Receiver Line Listing

Receiver Line Listing - Heytesbury

Line	Start	End	Distance	Line	Start	End	Distance
1408	5000	5279	11.16	1616	5120	5247	5.08
1416	5000	5279	11.16	1624	5120	5247	5.08
1424	5000	5279	11.16	1632	5120	5247	5.08
1432	5000	5279	11.16	1640	5120	5247	5.08
1440	5000	5279	11.16	1648	5120	5247	5.08
1448	5000	5279	11.16	1656	5120	5247	5.08
1456	5000	5279	11.16	1664	5120	5247	5.08
1464	5032	5279	9.88	1672	5120	5247	5.08
1472	5032	5279	9.88	1680	5120	5247	5.08
1480	5032	5279	9.88	1688	5064	5247	7.32
1488	5048	5279	9.24	1696	5064	5247	7.32
1496	5168	5279	4.44	1704	5064	5247	7.32
1504	5176	5279	4.12	1712	5064	5247	7.32
1512	5176	5279	4.12	1720	5064	5247	7.32
1520	5184	5279	3.80	1728	5064	5247	7.32
1528	5192	5279	3.48	1736	5064	5247	7.32
1536	5192	5279	3.48	1744	5064	5247	7.32
1544	5184	5279	3.80	1752	5064	5247	7.32
1552	5184	5279	3.80	1760	5072	5247	7.00
1560	5184	5271	3.48	1768	5080	5247	6.68
1568	5184	5271	3.48	1776	5088	5247	6.36
1576	5176	5263	3.48	1784	5096	5239	5.72
1584	5176	5263	3.48	1792	5096	5239	5.72
1592	5176	5247	2.84	1800	5096	5239	5.72
1600	5120	5247	5.08	1808	5096	5239	5.72
1608	5120	5247	5.08				

Total Distance = 329.48 Kilometres

Receiver Line Listing - Nirranda

Line	Start	End	Distance	Line	Start	End	Distance
1000	5272	5319	1.88	1208	5144	5295	6.04
1008	5264	5343	3.16	1216	5144	5295	6.04
1016	5256	5343	3.48	1224	5144	5295	6.04
1024	5248	5343	3.80	1232	5144	5295	6.04
1032	5240	5343	4.12	1240	5240	5295	2.20
1040	5232	5343	4.44	1248	5240	5295	2.20
1048	5224	5343	4.76	1256	5240	5295	2.20
1056	5216	5343	5.08	1264	5240	5295	2.20
1064	5184	5343	6.36	1272	5240	5295	2.20
1072	5176	5343	6.68	1280	5240	5295	2.20
1080	5168	5343	7.00	1288	5240	5295	2.20
1088	5168	5327	6.36	1296	5240	5295	2.20
1096	5168	5327	6.36	1304	5240	5295	2.20
1104	5168	5319	6.04	1312	5240	5295	2.20
1112	5160	5319	6.36	1320	5192	5295	4.12
1120	5152	5319	6.68	1328	5184	5295	4.44
1128	5144	5319	7.00	1336	5168	5295	5.08
1136	5144	5311	6.68	1344	5128	5295	6.68
1144	5144	5303	6.36	1352	5096	5295	7.96
1152	5144	5295	6.04	1360	5080	5295	8.60
1160	5144	5295	6.04	1368	5080	5295	8.60
1168	5144	5295	6.04	1376	5072	5279	8.28
1176	5144	5295	6.04	1384	5056	5279	8.92
1184	5144	5295	6.04	1392	5000	5279	11.16
1192	5144	5295	6.04	1400	5000	5279	11.16
1200	5144	5295	6.04				

Total Distance = 276.04 Kilometres

Source Line Offsets

Source Line Offsets

Station	Offset	Reason	Station	Offset	Reason
50001392	80N80E	Trees	50081428	80N160E	River
50001394	40N	Trees	50081430	40N80E	River
50001396	40N	Trees	50081436	120N	Dam
50001398	40N	Trees	50081438	160N	Dam
50001400	40N	Trees	50081440	160N	Dam
50001420	200N160W	River	50081442	240N	Dam
50001422	160N240W	River	50081444	160N	Dam
50001424	120N320W	River	50081446	160N	Dam
50001426	80N400W	River	50081448	200N	Trough
50001428	40N480W	River	50081450	200N	Trees
50001430	280N	River	50081452	200N	Slope
50001432	240N	River	50081454	200N	Slope
50001434	240N	River	50161392	40S	Boggy
50001436	280N160W	River	50161394	40S	Boggy
50001438	280N160W	River	50161396	120S	Boggy
50001440	200S	Dam	50161398	200S	Boggy
50001442	200S	Dam	50161400	240S	Boggy
50001444	200S	Dam	50161402	240S	Boggy
50001446	200S	Dam	50161404	240S	Boggy
50001448	80S	Dam	50161406	200S	Boggy
50081392	80N	Tree	50161408	160S	River
50081416	80N80W	River	50161410	200S	River
50081418	40N160W	River	50161412	200S	River
50081420	40S240W	River	50161414	200S	River
50081422	80S320W	River	50161416	240N160E	River
50081424	160N320E	River	50161418	240N160E	River
50081426	120N240E	River	50161420	200N80E	River

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
50161422	160N	River	50321406	80S	Trees
50161436	40S	Trough	50321408	80S	Trees
50161442	40S	Trough	50321410	80S	Trees
50161446	40S	Trough	50321412	80S	Trees
50241392	240N	Boggy	50321414	80S	Trees
50241394	280N	Boggy	50321416	80S	Trees
50241396	280N	Boggy	50321418	80S	Trees
50241398	280N	Boggy	50321420	80S	Trees
50241418	80S	Trough	50321430	80N	Trees
50241420	40S	Trough	50321432	160N	Trees
50241428	200S	Irrigation	50321440	80N80E	Access
50241430	200S	Irrigation	50321442	40N	Gully
50241432	240S	Dam	50321446	40S	Creek
50241434	200S	Dam	50321448	160N160E	Water
50241436	320S	Dam	50321450	40N80E	Water
50241438	240S	Dam	50401398	40N	Bore
50241440	200S	Dam	50401400	80N	Bore
50241442	280S	Dam	50401402	40N	Trees
50241444	200S	Dairy	50401404	80N	Trees
50241446	240S80W	Dairy	50401406	80N	Trees
50241448	240S	House	50401408	80N	Trees
50241450	240S	House	50401410	80N	Trees
50241452	240S	House	50401412	80N	Trees
50241454	240S	House	50401414	80N	Trees
50321400	120N	Dam	50401428	40S	Trough
50321402	80N	Dam	50401440	80S	Trees
50321404	80S	Trees	50401442	40S	Watermain

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
50401444	200S	Watermain	50561452	40N	Trough
50401446	280S	Dairy	50561454	40N	Trough
50401452	40S	Trees	50561460	40S	Trees
50401454	40S	Trees	50561462	80S	Trees
50401462	40N	Trough	50561476	40N80W	Trees
50401464	40N	Trough	50641392	40N	Trough
50401468	40N	Trough	50641414	40N	Trees
50401478	40N	Trough	50641416	80S	Watermain
50481392	40N	Tree	50641418	160S	Watermain
50481396	40N	Creek	50641420	240S	Dairy
50481406	80N	Trees	50641422	80N	Dairy
50481408	80N	Bldg	50641426	80N	Trough
50481416	160N	Trees	50641432	120S	Trees
50481440	120N	Watermain	50641434	160S	Trees
50481442	40N	Watermain	50641436	160S	Trees
50481456	40N	Trees	50641438	200S	Trees
50481480	40N	Trees	50641440	280S	Gully
50481482	120N	Trees	50641442	160S	Trees
50481484	120N	Trees	50641444	80S	Trees
50481486	120N	Trees	50641448	40S	Creek
50561384	40N	Trees	50641696	80N	Gully
50561392	80S	Creek	50641698	40N	Gully
50561398	40S	Crop	50641700	40N	Gully
50561400	80S	Gully	50641702	40N	Gully
50561424	120N	Trees	50641712	40N	Gully
50561426	40N	Trees	50641714	40N	Gully
50561442	160S	Creek	50641720	160N	Trees

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
50641728	80N	Road	50801398	120S	House
50721406	120S	Houses	50801400	160N	Build
50721408	160N	Vibe	50801402	160N	Vib
50721410	80N	Road	50801404	160N	Vib
50721416	40S	Pole	50801406	40S	Dam
50721448	240S	Trough	50801408	40S	Trough
50721450	160S	Dam	50801438	40N	Trough
50721458	120N	Trees	50801442	120N	Trees
50721460	120N	Trees	50801444	80N	Trees
50721462	160N	Trees	50801446	80N	Trees
50721700	40S	Road	50801448	160S80E	Tree
50721702	80S	Access	50801450	120S	Trees
50721710	80N	Creek	50801452	40S	Trees
50721714	40N	Shed	50801722	40S	Dam
50721722	40N	Dam	50801732	40N	Powerline
50721724	80N	Shed	50801734	120S	House
50721726	80N	Access	50801736	120S	House
50721728	40S	Road	50801750	240S	Access
50721732	80N	Trees	50801752	80N	Access
50721734	80N	Trees	50801754	40N	Road
50721748	40N	Slope	50801756	80N	Access
50721756	80S	Access	50801758	80N	Access
50721758	40S	Access	50801760	40N	Creek
50801366	40N	Trough	50801762	80N	Tank
50801368	120N	Bore	50801764	80N	Access
50801370	120N	Bore	50801766	80N	Tank
50801396	80S	House	50841728	40N	Creek

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
50841730	40N	Creek	50961384	160N	Watermain
50841732	40N	Creek	50961386	80N	Watermain
50881386	40S	House	50961390	40N	Trees
50881388	40S	House	50961392	80N	Trough
50881390	40S	House	50961398	40S	Plantation
50881392	120N	Vib	50961420	80S	Trough
50881394	80N	Vibe	50961440	80N	Crop
50881400	120S	Driveway	50961442	80N	Crop
50881402	40S	Driveway	50961446	40N	Trees
50881404	80S	House	50961450	40S	Dam
50881406	40S	House	50961472	40N	Seep
50881412	40S	Trough	50961474	40N	Seep
50881448	80N	Trees	50961688	280S	Permit
50881450	80N	Trees	50961690	280S	Permit
50881468	40N	Dam	50961692	120S	Permit
50881724	160N	House	50961694	120S	Permit
50881726	200N	House	50961696	120S	Permit
50881728	40N	House	50961698	120S	Permit
50881736	120S	Access	50961700	120S	Permit
50881738	120S	Road	50961702	120S	Permit
50881740	120S	House	50961704	80S	No go
50881742	120S	Access	50961706	80S	No go
50961374	80S	Bore	50961708	80S	No go
50961376	160S	Crop	50961710	80S	No go
50961378	200S	Crop	50961712	160S	No go
50961380	280S	Crop	50961714	160S	No go
50961382	240S	Crop	50961716	80S	No go

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
50961718	80S	No go	51041688	320S	Crop
50961720	80S	No go	51041690	320S	Crop
50961722	80S	No go	51041698	40S	Trough
50961724	120S	No go	51041700	40S	Creek
50961726	80S	No go	51041702	40S	Creek
50961728	80S	No go	51041704	40S	Fold
50961730	80S	No go	51041706	40S	Prop35
50961732	80S	No go	51041708	40S	Prop35
50961734	80S	No go	51041710	40S	Prop35
50961736	240S	Road	51041712	40S	Prop35
50961738	40S	Power	51041714	40S	Prop35
50961742	40N	Tank	51041716	40S	Prop35
50961754	40S	Mole	51041718	40S	Prop35
50961756	40S	Mole	51041720	40S	Prop35
50961758	40S	Mole	51041722	40S	Prop35
50961760	40S	Mole	51041724	40S	Prop35
50961802	80N	Tank	51041726	40S	Prop35
50961804	40N	Dam	51041728	40S	Prop35
51041368	120S	Dam	51041730	40S	Prop35
51041370	200S	Dairy	51041732	40S	Prop35
51041372	240S	Dairy	51041734	40S	Vibs
51041374	160S	House	51041736	240N	Road
51041376	160N	Watermain	51041738	120N	Tank
51041378	120N	Watermain	51041740	80N	Tank
51041426	40S	Trough	51041742	80N	Access
51041430	40S	Trees	51041744	40N	Creek
51041472	40S	Gully	51041756	40S	Mole

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51041758	80S	Mole	51121442	120S	Trees
51041760	120S	Mole	51121444	200S	Trees
51041766	120N	Access	51121446	280S	Trees
51041768	80N	Access	51121448	280S	Trees
51041770	80N	Access	51121450	200S	Trees
51041772	40N	Gully	51121466	40N	Seep
51041790	40N	Trees	51121468	40N	Seep
51041800	40N	Dam	51121470	40N	Seep
51041806	80S	Dam	51121480	160S	Gully
51061716	80N	Slope	51121482	120S	Gully
51061726	40S	Trough	51121484	120S	Gully
51121356	40S	Trees	51121486	120S	Gully
51121362	40S	Trees	51121692	160S	Permit
51121364	80S	Bldgs	51121694	160S	Permit
51121366	80S	House	51121696	160S	Permit
51121368	200N	Watermain	51121698	200S	Permit
51121370	80N	Watermain	51121700	280S	Permit
51121372	40N	Watermain	51121702	280S	Permit
51121380	80S	Trough	51121704	280S	Permit
51121382	40S	Trough	51121748	40S	Gully
51121386	40N	Trough	51121764	40S	Vibs
51121388	40S	Trough	51121776	80S	Access
51121390	40S	Crop	51121778	40S	Access
51121392	240N	Crop	51121784	80S	Access
51121394	80N	Trees	51121786	80S	Trough
51121408	40N	Trough	51121788	40S	Tank
51121432	40S	Trough	51121790	80S	Dam

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51121792	120S	Mole	51201442	320N	Forest
51121794	80S	Mole	51201444	320N	Forest
51121796	40S	Mole	51201446	320N	Forest
51121798	80S	Dam	51201448	240N	Forest
51121800	40S	Dam	51201450	200N	Forest
51201352	80S	Pipe	51201452	120N	Gaspipeline
51201354	160N	Pipeline	51201454	40S	Gaspipeline
51201356	120N	Pipeline	51201456	80S	Gaspipeline
51201358	120N	Pipeline	51201458	80S	Gaspipeline
51201360	80N	Pipeline	51201460	160S	Gaspipeline
51201362	80N	Pipeline	51201462	160S	Gaspipeline
51201364	80N	Vib	51201464	80N	Gaspipeline
51201366	80N	Vib	51201468	40N	Trough
51201368	160N	Vib	51201472	80N	Shed
51201370	200N	Bore	51201600	40N	Access
51201372	80N	Road	51201602	40N	Access
51201374	80N	Road	51201604	80N	Ppole
51201382	40S	Trees	51201606	120N	Access
51201390	40S	Creek	51201608	160N	Access
51201392	40S	Creek	51201610	160N	House
51201398	120S	Dam	51201612	120N	House
51201400	80N	Trough	51201632	120N	House
51201430	40S	Crop	51201634	120N	Shed
51201434	40S	Trees	51201636	120N	Dairy
51201436	280S	Trees	51201638	120N	Dairy
51201438	280S	Trees	51201640	120N	Dairy
51201440	320N	Forest	51201680	80S	Access

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51201682	90S	Access	51281344	360N80E	Boggy
51201684	80S	Access	51281346	360N80E	Boggy
51201686	120S	Access	51281348	160N	Vib
51201688	80S	Access	51281350	80N	House
51201690	80S	Access	51281352	80N	Trough
51201700	160N	Wet Gnd	51281362	40S	Trough
51201728	120S	Qtine	51281386	200N	Road
51201730	50S	Qtine	51281396	80N	Trough
51201732	100S	Qtine	51281398	80N	Trough
51201734	240S	Qtine	51281430	40S	Gas
51201736	120N	Trees	51281432	120N	Trees
51201738	80N	Dam	51281434	80N	Trees
51201740	40N	Dam	51281436	40N	Trees
51201780	105N	Mole	51281440	80N	Design
51201782	110N	Mole	51281442	80N	Design
51201784	110N	Mole	51281444	80N	Design
51201786	110N	Mole	51281446	80N	Design
51201788	120N	Mole	51281450	40N	Access
51201790	110N	Mole	51281452	40N	Pond
51201792	110N	Mole	51281486	40S	Trees
51201794	110N	Mole	51281604	80N	Dam
51201796	110N	Mole	51281606	120N	Dam
51201798	110N	Mole	51281608	240N	Bore
51201800	120N	Mole	51281610	240N	Dairy
51201802	120N	Mole	51281612	240N	Access
51201804	120N	Mole	51281614	40S	Trees
51201806	120N	Mole	51281618	120N	Trees

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51281624	80N	Trees	51281738	40N	Trough
51281626	40N	Trees	51281754	120N	Gully
51281628	40N	Trees	51281762	120S	Gully
51281630	40N	Trees	51281764	80S	Gully
51281632	80S	Trees	51281766	40S	Gully
51281634	40S	Bore	51281768	40S	Gully
51281644	120S	House	51281770	40S	Gully
51281646	80S	Dairy	51281772	200N	Trees
51281654	40N	Bore	51281774	200N	Trees
51281666	40S	Trough	51281776	200N	Trees
51281672	80N	Access	51281778	280N	Trees
51281674	120N	Access	51281780	160S	Mole
51281676	80N	Access	51281782	40N	Mole
51281678	80N	Access	51281784	60N	Mole
51281680	40N	Access	51281786	95N	Mole
51281692	40N	Trough	51281788	120N	Mole
51281694	40S	Slope	51281790	175N	Mole
51281698	40S	Trough	51281792	160N	Mole
51281700	40S	Trough	51281794	160N	Mole
51281702	40S	Trough	51281796	160N	Mole
51281708	40N	Access	51281798	160N	Mole
51281710	40N	Dam	51281800	120N	Mole
51281714	40N	Creek	51281802	120N	Mole
51281722	40S	Trough	51281804	120N	Mole
51281728	80N	Qtine	51281806	100N	Mole
51281730	80N	Qtine	51361344	80N80E	Boggy
51281732	80N	Qtine	51361352	40S	Trough

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51361354	40S	Trough	51361480	160N	Trees
51361356	40S	Trough	51361482	160N	Trees
51361358	80S	Windmill	51361484	160N	Trees
51361372	120S	Dam	51361486	120N&80W	Trees
51361386	40S	Trough	51361604	80N	Crops
51361388	40S	Trough	51361606	120N	Bore
51361390	40S	Vib	51361608	80N	Bore
51361392	120S	Road	51361618	40S	Shed
51361394	40S	Road	51361622	40N	Dam
51361402	40S	Crop	51361642	120N	Water
51361404	200S	Crop	51361644	160S	Trees
51361406	240S	Crop	51361646	200S	House
51361410	120S	Dairy	51361648	200S	House
51361412	80S	Trough	51361650	200S	House
51361414	40S	Gas	51361652	160S	House
51361416	200N	Gas	51361654	80S	House
51361418	80N	Gas	51361660	40S	Crops
51361428	40S	Road	51361662	40S	Crops
51361444	40S	Tanks	51361664	40S	Crops
51361450	40S	Access	51361668	40S	Tank
51361452	40S	Access	51361684	160N	Slope
51361468	40S	Tank	51361688	40N	Creek
51361470	160S	Access	51361690	80N	Slope
51361472	160S	Access	51361692	80N	Slope
51361474	160S	Access	51361694	120N	Slope
51361476	160S	Access	51361706	40N	Trees
51361478	200S	House	51361710	160N	Dairy

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51361712	200N	Dairy	51441352	80S	Quarry
51361714	160N	Dairy	51441354	40S	Quarry
51361716	120N	Dairy	51441356	40S	Slope
51361718	200N	Dairy	51441366	200S	Creek
51361720	120N	Dairy	51441376	80N	Trough
51361724	80S	Mole	51441392	80S	Gas
51361726	80S	Mole	51441394	80S	Gas
51361754	80N	Gully	51441396	80S	Gas
51361756	40N	Gully	51441398	80S	Gas
51361782	40N	Trees	51441400	120N	Gas
51361784	40N	Mole	51441402	120N	Gas
51361786	40N	Mole	51441404	120N	Gas
51361788	80N	Mole	51441406	120N	Gas
51361790	120N	Mole	51441410	80S	Dam
51361792	100N	Mole	51441412	80N	Tank
51361802	60S	Mole	51441414	120N	Dam
51361804	120S	Mole	51441420	40S	Access
51361806	180S	Mole	51441422	40S	Access
51441134	80N	Bore	51441428	40S	Gully
51441190	40S	Trough	51441430	40S	Gully
51441200	40S	Trough	51441432	80S	Access
51441202	40S	Trough	51441436	40S	Tank
51441208	120N	House	51441438	40S	Access
51441210	160N	House	51441440	40S	Access
51441212	160N	House	51441442	40S	Silage
51441222	80N	Tank	51441444	40N	Tank
51441344	120S	River	51441486	40S&80W	Tree

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51441600	40S	Well	51441704	40N	Dam
51441602	40S	Access	51441716	40S	Crops
51441604	40S	Access	51441718	40S	Crops
51441608	80S	Bore	51441720	40S	Crops
51441610	40S	Bore	51441722	15S	Mole
51441630	40N	Dam	51441724	15S	Mole
51441632	40N	Dam	51441726	15S	Mole
51441642	40N	Dam	51441728	40S	Mole
51441644	40N	Water	51441730	40S	Mole
51441646	40S	Road	51441742	40N	Road
51441660	240N	Trees	51441744	240S	Slope
51441662	240N	Trees	51441746	240S	Slope
51441664	240N	Trees	51441748	240S	Slope
51441666	240N	Trees	51441750	200S	Dam
51441668	240N	Trees	51441752	120S	Bldg
51441670	240N	Trees	51441754	80S	Dam
51441672	240N	Trees	51441760	40N	Road
51441674	80S	Access	51441766	40S	Scrub
51441676	80S	Trees	51441768	40S	Scrub
51441678	80S	Trees	51441770	40S	Dam
51441680	40S	Creek	51441772	40N	Slope
51441688	200N	Mole	51441778	80S	Mole
51441690	200N	Mole	51441780	80S	Mole
51441692	200N	Mole	51441782	160S	Mole
51441694	200N	Mole	51441784	200S	Mole
51441696	200N	Mole	51441786	23S	Mole
51441698	200N	Mole	51441790	160S	Mole

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51441792	191S	Mole	51521160	120N	Pipeline
51441794	215S	Mole	51521162	120N	Pipeline
51441796	240S	Mole	51521164	120N	Pipeline
51441800	80N	Mole	51521166	120N	Pipeline
51441802	80N	Mole	51521168	120N	Pipe
51441804	218N	Mole	51521170	120N	Pipe
51441806	160N	Mole	51521172	120N	Pipe
51521120	120N	Pipeline	51521174	120N	Pipe
51521122	120N	Pipeline	51521176	120N	Pipe
51521124	120N	Pipeline	51521178	120N	Pipe
51521126	120N	Pipeline	51521180	120N	Pipe
51521128	80S	Pipeline	51521182	120N	Pipe
51521130	80S	Pipeline	51521184	120S	Pipe
51521132	80S	Pipeline	51521186	120S	Pipe
51521134	80S	Pipeline	51521188	120S	Pipe
51521136	80S	Pipeline	51521190	120S	Pipe
51521138	80S	Pipeline	51521192	120S	Pipe
51521140	80S	Pipeline	51521194	120S	Pipe
51521142	80S	Pipeline	51521196	160S	Pipe
51521144	80S	Pipeline	51521198	120S	Pipe
51521146	80S	Pipeline	51521200	120S	Pipe
51521148	120N	Pipeline	51521202	120S	Pipe
51521150	120N	Pipeline	51521204	120S	Pipe
51521152	120N	Pipeline	51521206	120S	Pipe
51521154	120N	Pipeline	51521208	120S	Pipe
51521156	120N	Pipeline	51521210	120S	Pipe
51521158	120N	Pipeline	51521212	120S	Pipe

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51521214	120S	Pipe	51521438	40S	Tank
51521216	120S	Pipe	51521486	40S&80W	Tree
51521218	120N	Pipe	51521600	120S	Access
51521220	240N	Pipe	51521602	160S	Crop
51521222	240N	Pipe	51521604	120S	Crop
51521224	200N	Pipe	51521606	120S	Trees
51521226	120N	Pipe	51521608	40S	Bore
51521346	40N	Creek	51521614	40N	Dam
51521348	40S	Trough	51521616	40N	Dam
51521350	80S	Trough	51521618	40N	Bure
51521352	40S	Trough	51521620	80N	Bore
51521360	40S	Vib	51521622	40N	W-mill
51521362	40S	Vib	51521624	40N	W-mill
51521366	40N	River	51521626	40N	W-mill
51521368	160S	River	51521630	120S	Crop
51521370	120S	River	51521632	120S	Crop
51521372	80S	River	51521634	80S	Tank
51521374	80S	Vib	51521636	120S	Access
51521376	40S	Slopes	51521638	160S	Access
51521382	40S	Gas	51521640	80S	Sheds
51521384	200S	Gas	51521642	160S	Dairy
51521386	160S	Gas	51521644	80S	Dairy
51521418	60S	Road	51521646	40S	Dairy
51521420	150S	Road	51521648	80S	Road
51521422	180S	Road	51521654	40S	Trees
51521424	120S	Bore	51521674	80N	Trees
51521426	40S	Bore	51521676	40N	Trees

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51521678	80N	Trees	51521786	120N	Mole
51521680	160S	Creek	51521788	120N	Mole
51521684	40N	Trees	51521790	160N	Mole
51521688	120N	Trees	51521792	40N	Dam
51521704	120N	Vibs	51521796	200S	Mole
51521706	120N	Trough	51521798	137S	Mole
51521708	160N	House	51521800	108S	Mole
51521710	160S	Crops	51521804	80S	Mole
51521712	160S	Crops	51521806	120S80W	Mole
51521714	160S	Crops	51601138	120S	Irrigation
51521716	160S	Crops	51601140	200S	House
51521718	40N	Dam	51601142	200S	House
51521722	120N	Mole	51601144	27S	Dairy
51521724	120N	Mole	51601148	240N	House
51521726	180N	Mole	51601150	240N	Build
51521728	40N	Dam	51601152	200N	Build
51521732	40S	Trough	51601162	40S	Cypress
51521734	40S	Trough	51601164	40S	Cypress
51521736	40N	Trough	51601166	80S	Tennis
51521738	80S	Dam	51601168	80S	House
51521740	40S	Gully	51601170	80S	House
51521750	80E40S	Road	51601172	40S	House
51521770	40S	Dam	51601180	40S	Trough
51521778	60N	Mole	51601188	160S	Irrigation
51521780	80N	Mole	51601190	200S	Irrigation
51521782	95N	Mole	51601192	200S	Irrigation
51521784	111N	Mole	51601194	160S	Irrigation

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51601196	120S	Irrigation	51601376	80N	Slopes
51601198	80S	Irrigation	51601378	80N	Vib
51601200	110N	Irrigation	51601380	80N	Boggy
51601202	100N	Irrigation	51601382	80N	Vib
51601204	100N	Irrigation	51601416	40N	Trees
51601206	100N	Irrigation	51601420	160N	Trough
51601208	280N	Irrigation	51601422	240N	Dam
51601210	280N	Irrigation	51601424	200N	Dairy
51601212	320N	Irrigation	51601426	160N	House
51601214	280N	Irrigation	51601428	200N	Road
51601216	280N	Irrigation	51601430	240N	Road
51601220	40N	Trough	51601432	80S	Tank
51601222	80N	Trough	51601434	40S	Bore
51601224	80S	Trough	51601436	80S	Race
51601226	40S	Vib	51601438	40S	Race
51601346	120N	House	51601440	40S	Race
51601348	80N	Windmill	51601448	40N	Dam
51601350	80N	Vib	51601458	40N	Dam
51601358	40S	Gas	51601466	80S	Trees
51601360	120N	Gas	51601468	80S	Trees
51601362	120N	Gas	51601470	80S	Trees
51601364	120N	Gas	51601472	80S	Trees
51601366	80N	Gas	51601474	80S	Trees
51601368	120N	River	51601476	80S	Trees
51601370	80N	Vib	51601626	80N	House
51601372	40N	Vib	51601628	200N	House
51601374	40N	Vib	51601630	120N	House

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51601636	40N	Building	51681080	80N	House
51601638	120N	Building	51681126	120N	Dairy
51601640	120N	Building	51681138	40N80W	Irrigation
51601642	80N	Building	51681140	80N160W	Irrigation
51601644	80N	Building	51681142	120N240W	Irrigation
51601646	80N	House	51681144	40N107E	Irrigation
51601648	80N	House	51681146	26E	Irrigation
51601650	160N	Water	51681172	40N	Vib
51601668	40N	Creek	51681174	40N	Creek
51601686	40N	Swamp	51681176	40N	Vib
51601688	120N	Dam	51681178	80N	Trough
51601710	240N	Permit	51681180	80N	Trough
51601712	240N	Permit	51681182	80N	Trough
51601724	120S	Gully	51681184	80N	House
51601744	80N	Vibs	51681186	40N	House
51601746	40N	Dam	51681188	240N	Irrigation
51601750	40S	Vibs	51681190	240N	Irrigation
51601752	280S	House	51681192	240N	Irrigation
51601754	200S	Dairy	51681194	240N	Irrigation
51601784	30S	Mole	51681196	240N	Irrigation
51601788	20N	Mole	51681198	200N	Irrigation
51601790	40N	Mole	51681200	240N	Irrigation
51601792	40N	Mole	51681202	240N	Irrigation
51601794	40N	Turnips	51681204	240N	Irrigation
51601796	120N	Turnips	51681206	240N	Irrigation
51601798	160N	Turnips	51681208	80N	Access
51601806	40S	Dam	51681210	80N	Access

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51681212	80N	Access	51681452	160S	Trees
51681214	80N	Access	51681454	120S	Trees
51681216	80N	Access	51681456	80S	Access
51681222	40N	Trough	51681458	80S	Access
51681336	120N	Pipe	51681460	80S	Access
51681338	160N	Pipe	51681462	80S	Access
51681340	120N	Pipe	51681464	80N	Access
51681342	120N	Pipe	51681466	80N	Access
51681348	40S	Trough	51681468	80N	Access
51681352	40S	Trough	51681470	40N	Access
51681360	80N	Crop	51681474	40S	Tank
51681362	160N	Vib	51681480	80N	Access
51681364	120N	Vib	51681482	80S	Access
51681366	160N	Trough	51681484	80S	Access
51681396	80S	Dam	51681494	40N10W	Lucerne
51681398	80S	Vib	51681602	40N	Trough
51681400	120S	Vib	51681620	40N	Trough
51681402	120S	Vib	51681642	40N	Trough
51681404	120S	Vib	51681646	80N	Trees
51681406	120S	Vib	51681648	80N	Trees
51681416	80S	Trough	51681652	80N	Water
51681440	80S	Access	51681666	40S	Tank
51681442	200S	Bore	51681696	40N	Trees
51681444	200S	Bore	51681708	80N	Road
51681446	80S	Tanks	51681746	80S	Trough
51681448	80S	Access	51681748	120S	House
51681450	80S	Access	51681750	120S	House

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51681776	70S	Mole	51761374	280S	River
51681778	40S	Mole	51761376	240S	River
51681786	40N	Creek	51761378	40S	Boggy
51681802	240N	Build	51761384	120S	Trees
51681804	240N	Build	51761386	120S	Dam
51761076	40N	Tank	51761388	120S	Dam
51761088	80S	Vib	51761390	120S	Vib
51761090	40S	Vib	51761392	80S	Trees
51761138	200N	Irrigation	51761400	40S	Design
51761140	360N	Irrigation	51761402	40S	Design
51761142	360N	Irrigation	51761404	40S	Design
51761144	360N	Irrigat	51761406	40S	Design
51761146	160S26E	Crop	51761420	120N	Vibtrav
51761148	160S	Crop	51761422	160N	Trough
51761150	160S	Crop	51761424	40N	Trough
51761152	200S	Crop	51761446	80N	Road
51761182	40S	Trough	51761448	40N	Tank
51761188	160N	Crop	51761452	80N	Tank
51761190	200N	Crop	51761454	80N	Access
51761192	160N	Crop	51761456	80N	Trees
51761198	80S	Trees	51761458	80N	Tank
51761214	120S	Trough	51761460	80N	Access
51761218	40N	Trough	51761462	40N	Access
51761336	80S	Road	51761478	40S	Gully
51761338	40S	Trees	51761482	40N	Access
51761344	40S	Creek	51761484	40N	Access
51761362	120N	Trees	51761486	40N	House

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51761502	40N	Gully	51761710	40S	Trough
51761504	80N	Gully	51761712	120S	Crop
51761506	160N	House	51761714	80S	Crop
51761508	240N	Gully	51761716	80S	Crop
51761510	240N	Gully	51761726	80S	Dam
51761576	80E40N	Crop	51761744	40N	Tank
51761594	120S	Dam	51761750	200N	Road
51761596	160S	Dam	51761752	80S	Dam
51761598	120S	Dam	51761754	40S	Road
51761600	40S	Tank	51761756	80S	Road
51761624	40S	Tank	51761770	80N	Dam
51761650	80S	Trees	51761772	160N	Access
51761652	80S	Tank	51761786	120N	House
51761656	40N	Trough	51761788	160N	House
51761658	80N	House	51761790	160N	House
51761660	80N	House	51761792	120N	Road
51761662	80N	Gully	51761794	120N	Road
51761664	40N	Trees	51761796	80N	Road
51761670	40S	Gully	51761798	120S	House
51761674	80S	Trees	51841064	40N	Bore
51761676	160S	Trees	51841066	40N	Bore
51761678	40S	Trees	51841068	40N	Bore
51761686	40S	Trees	51841074	40N	Bore
51761694	120S	Bore	51841076	200S	Bore
51761696	120S	Bore	51841078	200S	Irrigation
51761698	40N	Trees	51841080	240S	Irrigation
51761702	40N	Trees	51841082	240S	Irrigation

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51841084	280S	Irrigation	51841226	80N	Trough
51841086	280S	Irrigation	51841332	40N80E	Gas
51841100	80S	Shed	51841338	120S	House
51841102	40N	Trough	51841340	120S	House
51841108	400N	Permit	51841342	80W80S	Safety
51841110	400N	Permit	51841348	40N	Dam
51841112	400N	Permit	51841350	80N	Dam
51841114	400N	Permit	51841356	40N	Trough
51841116	400N	Permit	51841358	40N	Trough
51841118	400N	Permit	51841364	40N	Trough
51841120	400N	Permit	51841370	40S	Slopes
51841122	400N	Permit	51841372	200S	Trees
51841124	400N	Permit	51841374	120S	River
51841126	400N	Permit	51841376	120S	River
51841138	40N	Irrigation	51841378	80S	River
51841140	80N	Irrigation	51841380	80S	River
51841142	80N	Irrigation	51841382	80S	Access
51841144	80N	Irrigation	51841388	40S	Access
51841146	40N	Irrigation	51841390	80S	Slope
51841182	120N	Tank	51841392	40S	Gully
51841194	40N	Ppole	51841394	120	Access
51841196	40N	House	51841396	120S	Access
51841198	40N	House	51841398	80S	Access
51841208	40S	House	51841400	320S	Trees
51841210	40S	House	51841402	320S	Trees
51841212	40S	Dairy	51841404	320S	Trees
51841224	40N	Trough	51841406	320S	Trees

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51841424	80S	Vib	51841552	40N	Dam
51841426	80S	Trough	51841576	40N	Gully
51841436	80S	Trees	51841578	80N	Gully
51841438	80S	Vib	51841580	80N	Gully
51841446	160N	Boggy	51841582	200N	Gully
51841448	80N	House	51841590	160N	Earthwork
51841450	120N	House	51841592	160N	Earthwork
51841452	40N	Access	51841594	160N	Earthwork
51841456	160S	Access	51841596	200N	Tplant
51841458	160S	Access	51841598	200N	Tplant
51841460	160S	Access	51841600	200N	Tplant
51841462	160S	House	51841602	200N	Tplant
51841466	80S	Access	51841604	200N	Tplant
51841468	120S	Gully	51841606	200N	Tplant
51841470	200S	Gully	51841608	200N	Tplant
51841472	80S	Gully	51841610	200N	Tplant
51841474	80S	Gully	51841612	200N	Tplant
51841476	80S	Gully	51841614	80N	Build
51841478	80S	Gully	51841616	80N	Build
51841482	8E	Spring	51841618	80N	Pline
51841492	40N	Trees	51841620	80N	Pline
51841506	40N	Trough	51841622	80N	Pline
51841508	40N	Trough	51841624	40S	Pline
51841510	120N	Dam	51841626	40S	Pline
51841512	40N	Trough	51841628	40S	Pline
51841516	40N	Trough	51841630	40S	Pline
51841518	40N	Trough	51841632	40S	Pline

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51841634	120S	Tank	51841752	160S	Builds
51841636	120S	Tank	51841754	160S	Builds
51841638	120S	Tank	51841756	120S	Access
51841640	120S	Trees	51841758	200S	Access
51841642	120S	Trees	51921076	40N	Access
51841644	80S	Trees	51921078	80N	Irrigation
51841648	40S	Dam	51921080	80N	Irrigation
51841654	120N	Trough	51921082	80N	Irrigation
51841658	40S	Trough	51921084	80N	Irrigation
51841662	200S	Water	51921086	80N	Irrigation
51841664	40S	Trees	51921100	240S	Dairy
51841668	40N	Trees	51921102	240S	Houses
51841670	40N	Trees	51921108	160N	Permit
51841686	40N	Trees	51921110	160N	Permit
51841688	120N	Trees	51921112	160N	Permit
51841690	40N	Trees	51921114	160N	Permit
51841692	40N	Trees	51921116	160N	Permit
51841694	80N80W	Trees	51921118	160N	Permit
51841696	40S	Access	51921120	160N	Permit
51841698	80S	Dam	51921122	160N	Permit
51841700	40S	Dam	51921124	160N	Permit
51841704	200N	Vibs	51921126	200N	Permit
51841706	80N	Vibs	51921128	120S	House
51841744	80S	Crop	51921130	80S	House
51841746	80S	Crop	51921132	40S	House
51841748	80S	Crop	51921148	80S	House
51841750	80S	Crop	51921150	40S	House

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51921152	160S	Tank	51921452	200N	Gully
51921154	120S	Build	51921454	200N	Gully
51921188	80N	No go	51921456	200N	Gully
51921204	80S	Trough	51921458	160N	Gully
51921228	40N	No go	51921460	160N	Gully
51921230	40N	No go	51921462	160N	Gully
51921332	40S80W	Gas	51921464	80N	Tank
51921338	120S	House	51921466	40N	Tank
51921340	200S	House	51921468	80N	Access
51921342	80W240S	Road	51921470	120N	Access
51921344	200S	Dairy	51921472	120N	Access
51921346	160S	Trough	51921474	240N	House
51921360	240S	House	51921476	200N	Access
51921362	280S	House	51921478	120N	Access
51921364	240S	House	51921488	40S	Access
51921366	80S	Dam	51921490	40S	Shed
51921388	280S	Access	51921492	40S	Tank
51921390	320S	Access	51921496	80N	Access
51921400	160N	Trees	51921498	80N	Access
51921402	80N	Trees	51921500	80N	Access
51921404	80N	Trees	51921502	120N	Access
51921406	80N	Trees	51921558	40N	Trees
51921408	80S	House	51921600	200N	Troughs
51921432	40S	Dam	51921608	10E	Pipeline
51921434	40S	Dam	51921622	200S	Trees
51921448	200N	Creek	51921624	240N	Trees
51921450	200N	Vib	51921628	10W	Crop

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
51921630	200S	Trees	51921752	120N	Vibs
51921632	40N	Trees	51921754	80N	Dam
51921634	40N	Wet	51921756	40N	Dam
51921640	40S	Gully	51921758	40N	Power
51921642	80S	Dam	52001064	40S	Crop
51921644	80S	Dam	52001096	120S	Tanks
51921646	40S	Wet	52001098	80S	Bore
51921666	40S	Water	52001108	40S	Access
51921672	40N	Trees	52001110	40S	Trees
51921692	160S	Yards	52001112	80S	Tank
51921694	240N	Yards	52001114	40S	Access
51921696	320S	House	52001116	80S	Tank
51921698	360S	House	52001132	40S	Irrigation
51921700	40S	House	52001134	40S	Irrigation
51921706	40N	Dam	52001136	240S	Irrigation
51921708	280S	Crop	52001138	240S	Irrigation
51921710	120N	Dam	52001140	240S	Irrigation
51921712	120N	Dam	52001142	240S	Irrigation
51921714	120N	Dam	52001144	80S	Irrigation
51921716	120N	Dam	52001146	80S	Irrigation
51921718	160N	Dam	52001154	40N	Trough
51921720	80N	Dam	52001156	40N	Trough
51921730	200S	Crop	52001172	120N	Dairy
51921732	160S	Crop	52001174	120N	Dairy
51921742	40N	Dam	52001176	40N	Dairy
51921748	40N	Dam	52001178	80N	Build
51921750	40N	Dam	52001180	40N	Build

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52001202	40S	Trough	52001432	80N	Trees
52001332	40N80W	Gas	52001434	40N	Trees
52001334	40N	Bore	52001440	80S	Trees
52001336	40S	Trough	52001442	120S	Trees
52001382	40S	Trough	52001452	40S	Tank
52001384	40S	Trough	52001454	40S	Tank
52001386	120N	Slopes	52001456	40S	Dam
52001388	200N	Slopes	52001458	40S	Tank
52001390	240N80W	River	52001460	40S	Dam
52001392	240W160S	Trees	52001462	40S	Dam
52001394	160W120S	Trees	52001464	40N	Dam
52001396	80N	House	52001492	40N	Trough
52001398	80N	House	52001496	40S	Dam
52001400	40S	Access	52001498	40S	Dam
52001402	80S	Access	52001500	40S	Dam
52001404	80S	Access	52001504	40S	Dam
52001406	40S	Access	52001506	80S	Dairy
52001408	40S	Slopes	52001508	120S	Road
52001410	80S80E	Acces	52001510	80S	Build
52001412	40S	Slopes	52001516	40N	Trough
52001414	80S	Trough	52001522	120S	Trough
52001416	80S	Trough	52001528	40N	Trough
52001418	80S	Slopes	52001530	40N	Trees
52001420	80S	Trees	52001532	40N	Trees
52001422	40S	Trees	52001550	40N	Tank
52001428	40N	Trees	52001562	40S	Tank
52001430	40N	Vib	52001574	40N	Trough

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52001576	40N	Trough	52001728	240N	Dairy
52001582	40S	Trees	52001730	200N	Dairy
52001584	40S	Trees	52001744	40S	Dam
52001586	40S	Trees	52001754	40S	Tank
52001588	40S	Trees	52001766	80S	Ditch
52001596	40N	Dam	52001770	80N	Trees
52001612	40N	Trough	52001772	80N	Trees
52001614	40S	Trough	52001774	40N	Trees
52001624	40S	Dam	52001776	40S	Tank
52001626	40S	Trough	52081066	200S	Crop
52001628	120N	Fodder	52081068	200S	Crop
52001630	200N	Dam	52081070	200S	Crop
52001632	200N	Dam	52081072	80N160E	Crop
52001634	200N	Dam	52081074	40N80E	Crop
52001636	200N	Dam	52081096	40S	Tank
52001638	120N	Dam	52081110	40S	Bore
52001642	40S	Trough	52081112	40S	Bore
52001658	80N	Trough	52081116	80N	Dairy
52001660	80N	Trough	52081118	120N	Tank
52001662	80N	Trough	52081120	40N	House
52001664	120N	House	52081122	40N	Access
52001666	160N	House	52081124	40N	Access
52001668	200N	House	52081126	80N	Powerpole
52001690	80N	Yards	52081134	120N	Bore
52001692	40N	Yards	52081144	40N	Trough
52001710	80S	Trees	52081154	40S	Tank
52001726	80N	House	52081156	80S	Tank

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52081158	40S	Tank	52081392	80N	River
52081176	40N	Cypress	52081394	80N	River
52081192	40N	Trough	52081396	80N	River
52081196	40N	Trough	52081398	40N	River
52081218	40S	Fodder	52081400	320S	River
52081220	40S	Fodder	52081402	360S	River
52081222	40S	Pipe	52081404	360S	River
52081224	120N	Pipeline	52081406	320S	River
52081226	80N	Pipe	52081408	120N	House
52081228	80N	Pipe	52081410	160N	House
52081230	40N	Pipe	52081412	160S	River
52081332	120N	Gas	52081414	200S80W	Rive
52081334	160N80W	Gas	52081416	40S	River
52081336	80N	House	52081424	80N	Trees
52081338	80N	House	52081426	200S	Trees
52081342	80S	House	52081428	80S	Trees
52081344	120S	House	52081430	80S	Trees
52081346	40S	House	52081432	80N	Trees
52081350	40S	Trough	52081434	80N	Vib
52081352	80N	Trough	52081436	80N	Vib
52081354	80N	Trough	52081438	80N	Vib
52081356	120N	Windmill	52081448	80N	Vib
52081358	160N	Trough	52081450	80N	Dam
52081360	80S	Trough	52081456	40N	Tank
52081372	80N	Dam	52081472	80N	Crop
52081374	80N	Dam	52081474	80N	Crop
52081390	40N	River	52081476	40N	Access

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52081492	80N	Gully	52081630	40S	Bush
52081498	120N	Crop	52081638	160N	Trees\g
52081500	120N	Crop	52081640	40N	Trees
52081502	120N	Crop	52081642	40N	Bank
52081504	160N	Crop	52081666	80S	Water
52081506	200N	Crop	52081672	120S	Road
52081508	160N	Crop	52081684	160S	Trees
52081510	160N	Crop	52081686	200S	Trees
52081512	160S	Forest	52081700	40S	Trees
52081514	160S	Forest	52081710	80N	Trees
52081516	160S	Forest	52081744	40S	W.geco
52081518	160S	Forest	52081758	40S	Dairy
52081520	160S	Forest	52081768	120S	Tank
52081522	280S	Forest	52081772	80N	Tank
52081524	240S	Forest	52081774	120N	Vibs
52081526	240S	Forest	52081776	40N	Tank
52081528	160S	Forest	52081778	120N	Tank
52081548	80S	Dam\tank	52081780	120N	Shed
52081554	40N	Crop	52081784	80S	House
52081556	40N	Crop	52081786	120S	House
52081558	40N	Crop	52081788	120S	House
52081560	80N	Crop\tan	52081796	80S	Tank
52081574	160S	Bore	52081802	80S	Tank
52081576	160S	Troughs	52081806	120S	Dam
52081582	120N	Trees	52161070	80W40S	Crop
52081600	40S	Trough	52161072	80S160E	Crop
52081628	40N	Dam	52161074	40S80E	Crop

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52161096	40N	Tank	52161356	120S	Irrigation
52161098	240S	Access	52161358	120S	Irrigation
52161100	240S	Access	52161360	120S	Irrigation
52161102	240S	Access	52161362	120S	Irrigation
52161104	240S	Access	52161378	40N	Trees
52161106	240S	Access	52161380	80N	Trough
52161114	40S	Tank	52161382	40S	Trees
52161120	40N	Tank	52161384	160N	Bush
52161126	40N	Powerpole	52161386	40N	Bush
52161148	40N	Access	52161388	40N	Bush
52161150	40N	Access	52161400	80N	Trees
52161152	40N	Access	52161406	80W40S	Fodder
52161154	40N	Access	52161408	80E40N	Fodder
52161156	40N	Access	52161418	40S	Trough
52161158	40N	Access	52161422	80N	Bush
52161190	40S	Trough	52161424	120S	River
52161192	40S	Trough	52161426	40S	River
52161200	80S	Trough	52161430	40S80W	Trees
52161204	40S	Pipe	52161432	120S	Trees
52161206	80S	Pipe	52161434	120S	Trees
52161208	40N	Pipeline	52161436	120S	Trees
52161210	40N	Pipeline	52161438	80S	Trees
52161334	160N	Gas	52161440	80S	Trees
52161344	40S	Trough	52161442	40S	Slopes
52161350	120S	Irrigation	52161452	40N	Access
52161352	120S	Irrigation	52161454	80N	Shed
52161354	120S	Irrigation	52161456	40N	Tank

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52161458	40N	Tank	52161624	320N	Deer
52161492	40S	Bore	52161626	240N	Deer
52161500	40S	Irrigation	52161628	280N	Deer
52161514	240N	Crop	52161636	80N	Tank
52161516	200N	Crop	52161652	40S	Trees
52161524	120N	Trough	52161654	160S	Trees
52161526	120N	Forest	52161656	120S	Trees
52161528	160N	Forest	52161658	80S	House
52161530	240N	Shed	52161660	80S	House
52161532	120S	Creek	52161662	40S	House
52161534	80S	Trough	52161666	80S	Dam
52161536	80S	Creek	52161676	40S	Deer
52161538	200S	Crop	52161678	80S	Road
52161540	80N	Dam	52161680	80S	Dam
52161542	40N	Dam	52161682	160S	Deer
52161560	40S	Tank	52161684	40N	Trees
52161582	80S	Dam	52161686	40S	Trees
52161584	40S	Trees	52161688	40S	Trees
52161602	40S	Trough	52161690	160S	House
52161608	80N	Trees	52161692	160S	House
52161610	80N	Trees	52161694	120S	Dam
52161612	200N	Dam	52161696	80S	Dam
52161614	200N	Dam	52161700	40N	Bore
52161616	280N	Dams	52161740	40S	Dam
52161618	200N	Dam	52161746	80N	Access
52161620	200N	Dam	52161748	240N	Dairy
52161622	280S	Deer	52161750	280N	Houses

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52161752	160N	Vibs	52241112	80S	Irrigation
52161754	160N	Vibs	52241114	80S	Irrigation
52161766	40N	Trees	52241116	80S	Irrigation
52161768	40N	Trees	52241118	200S	Access
52161770	40N	Trees	52241120	160S	Access
52161772	40N	Trees	52241122	160S	Access
52161774	40N	Trees	52241124	160S	Access
52161776	40N	Trees	52241126	160S	Access
52161778	40N	Trees	52241132	40S	Trough
52161780	40N	Trees	52241134	40S	Tank
52161782	40N	Trees	52241154	40N	Tank
52161784	40N	Trees	52241156	40N	Access
52241050	40N	Trough	52241158	40N	Tank
52241052	200N	Bore	52241172	80N	Trough
52241054	200N	Bore	52241188	40S	Pipe
52241070	200N	Bore	52241190	120S	Pipe
52241072	6E	Ploughed	52241192	120S	Pipe
52241076	80N	Shed	52241194	40N	Pipe
52241092	40N	Tank	52241200	80N	Tank
52241096	80S	Tanks	52241202	40N	Trough
52241098	400S	Irrigation	52241216	80S	Trough
52241100	400S	Irrigation	52241218	80S	Tank
52241102	440S	Irrigation	52241220	80S	Trough
52241104	440S	Irrigation	52241222	40S	Trough
52241106	400S	Irrigation	52241328	80S	Trough
52241108	80S	Irrigation	52241334	40S	Trough
52241110	80S	Irrigation	52241336	160N	Gas

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52241338	40S	Trough	52241452	40S	Access
52241340	40S	Dairy	52241454	80S	Dam
52241342	120S	Dairy	52241468	40S	Wet
52241344	120S	Dairy	52241470	120S	Wet
52241346	80S	Dairy	52241480	80N	Gully
52241348	200N	Shed	52241488	40S	Tank
52241350	120N	Trough	52241498	40S	Tank
52241352	80N	Trough	52241500	40S	Tank
52241354	80N	Dam	52241504	40N	Trees
52241356	80N	Dairy	52241506	160N	Crop
52241358	80N	Trough	52241508	160N	Crop
52241360	120N	Trough	52241510	160N	Crop
52241362	40N	Dairy	52241516	40N	Tree
52241364	120N	Trough	52241518	160N	Dairy
52241366	40N	Dairy	52241520	120N	Dairy
52241368	80S	Trough	52241522	160N	Dairy
52241370	80S	Trough	52241524	40N	Road
52241372	80S	Dam	52241526	40N	Road
52241374	80S	Trough	52241528	120N	House
52241378	160S	Irrigation	52241530	160N	Dairy
52241380	240S80W	Irrigation	52241532	240N	Dairy
52241390	40N	Power	52241534	120N	Dairy
52241406	80N	Fodder	52241540	120S	Wet
52241408	40N	Fodder	52241542	80S	Wet
52241436	80W40N	Crop	52241544	80S	Wet
52241438	160W80N	Crop	52241546	80S	Wet
52241440	80S	Slope	52241552	40N	Tank

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52241554	40N	Access	52241668	40S	Trough
52241556	40N	Access	52241670	40S	Trough
52241558	40N	Access	52241672	40N	Trough
52241572	40S	Trough	52241674	360N	Deer
52241584	80N	Dam	52241676	360N	Deer
52241586	80N	Dam	52241678	320N	Deer
52241596	40S	Trees	52241680	160N	House
52241598	80S	Trees	52241682	80N	Deer
52241600	80S	Trough	52241720	40N	Access
52241620	40S	House	52241722	80N	Tank
52241622	80S80W	House	52241724	80N	Trough
52241624	120N	Trees	52241726	40N	U/grnd
52241626	80N	Trees	52241728	40N	Trough
52241628	40N	Trees	52241730	40N	U/grnd
52241630	200S	Dairy/t	52241732	40N	Trough
52241632	120S	Access	52241734	40N	Trough
52241634	160S	Gully	52241736	40N	Trough
52241636	160S	Gully	52241780	40S	Hill
52241638	160S	Gully	52241782	160S	Hill
52241640	160S	Gully	52241784	240S	Hill
52241642	160S	Gully	52241786	80S	Hill
52241644	160S	Gully	52241794	40N	Slope
52241646	120S	Trees	52321046	40N&80W	Road
52241648	80S	Gully	52321048	40N	Sink
52241650	40S	Gully	52321056	40S	Trees
52241652	40S	Gully	52321072	120N	Ploughed
52241658	40S	Gully	52321074	120N	Ploughed

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52321076	120N	Ploughed	52321130	240S	Houses
52321078	120N	Ploughed	52321132	240S	Houses
52321080	120N	Access	52321134	200S	Dairy
52321082	120N	Shed	52321136	40S80E	House
52321084	120N	House	52321152	240S	Access
52321086	120N	House	52321154	240S	Dairy
52321088	80S	Access	52321156	240S	Dairy
52321090	80S	Access	52321158	240S	Dairy
52321092	80S	House	52321172	40S	Pipe
52321094	160S	Tank	52321174	80S	Pipe
52321096	80S	Church	52321176	80S	Pipe
52321098	120S80W	Irrigation	52321178	40N	Pipe
52321100	80N	Irrigation	52321192	40N	Trough
52321102	80N	Irrigation	52321198	40S	Trough
52321104	80N	Irrigation	52321212	40S	Trough
52321106	80N	Irrigation	52321214	80S	House
52321108	80N	Irrigation	52321216	120S	Dairy
52321110	80N	Irrigation	52321218	120S	Dairy
52321112	120N	Irrigation	52321220	120S	Dairy
52321114	120N	Irrigation	52321222	40S	Troughs
52321116	160N	Access	52321326	120S	House
52321118	240N	Bore	52321328	120S	House
52321120	120S	Houses	52321338	120N	Gas
52321122	120S	Houses	52321340	40S	Gas
52321124	360S	House	52321376	40S	Trees
52321126	320S	House	52321378	80W80S	Irrigation
52321128	240S	Houses	52321422	40N	Trough

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52321424	40N	Dam	52321492	40S	Cliff
52321426	40N	Dam	52321500	40S	House
52321428	40N	Dam	52321502	40S	House
52321430	40N	Dam	52321510	120S	Creek
52321432	120N	Crop	52321524	80S	Trees
52321434	120N	Crop	52321536	80S	Road
52321436	120N	Crop	52321550	280S	Dairy
52321438	120N	Crop	52321554	40S	House
52321440	120N	Crop	52321558	80S	Trees
52321442	120N	Slope	52321560	80S	Shed
52321444	160N80W	Slop	52321574	160N	Trees
52321446	280N	Slope	52321576	160N	Crop
52321448	160N	Slope	52321578	80S	Crop
52321450	120N	Slope	52321580	80S	Crop
52321452	240N	Slope	52321586	80S	Trees
52321454	200N	Slope	52321588	280S	Bldg
52321468	80S	Slope	52321590	280S	Bldg
52321470	120S	Slope	52321592	200S	Bldg
52321472	80N	Slope	52321594	160S	Trees
52321474	80N	Slope	52321596	200S	House
52321478	30S	Access	52321598	200S	House
52321480	120S	Cliff	52321600	200S	House
52321482	120S	Cliff	52321602	80S	Bldgs
52321484	120S	Cliff	52321604	40S	Dam
52321486	120S	Cliff	52321608	40N	Power
52321488	120S	Cliff	52321616	200N	Trees
52321490	80S	Cliff	52321618	200N	Trees

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52321620	200N	Trees	52321724	160S	Trees
52321622	120S	Access	52321726	160S	Trees
52321624	200N	Trees	52321728	120S	Trees
52321626	200N	Trees	52321746	80N	House
52321628	200N	Trees	52321748	120N	House
52321630	200N	Trees	52321750	80N	House
52321632	200N	Trees	52321776	200N	House
52321634	240S	Houses	52321778	200N	House
52321636	280S	Houses	52321780	240N	House
52321638	280S	Houses	52321796	40S	Dam
52321640	280S	Houses	52401034	40N	Tank
52321642	280S	Houses	52401036	40N	Tank
52321644	280S	Houses	52401038	80N	Tank
52321646	280N	Houses	52401046	40N80W	Road
52321648	240N	Houses	52401076	80S	Access
52321650	200N	Houses	52401078	80S	Access
52321652	240N&80W	House	52401080	120S	Access
52321662	40S	Trough	52401082	120S	Access
52321664	40S	Trough	52401084	120S	House
52321668	80N	Dam	52401086	120S	House
52321670	40N	Dam	52401092	40N	Access
52321674	80N	Houses	52401094	80N	Sheds
52321676	80N	Houses	52401096	40N	Access
52321678	40N	Houses	52401122	40N80W	Dairy
52321718	80N	Access	52401124	40N	Dairy
52321720	160S	Trees	52401126	40N	House
52321722	160S	Trees	52401128	40N	House

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52401132	40S80E	Bore	52401264	120N	Dairy
52401134	80S	Bore	52401266	200N	Dairy
52401136	80N	Access	52401268	80N	House
52401138	120N	Access	52401290	40N	Trough
52401140	120N	Tank	52401324	80N	Trough
52401142	120N	Trees	52401326	40N	Trough
52401144	80N	Tank	52401328	40N	Trough
52401146	80N	Tank	52401330	40N	Tank
52401150	40N	Shed	52401340	120N	Gas
52401152	40N	Shed	52401342	280N	Gas
52401160	80S	Pipeline	52401344	40S	Gas
52401162	80S	Pipeline	52401360	80S	Trough
52401164	40N	Pipeline	52401362	200S	Troughs
52401166	40N	Gas	52401368	40S	Dam
52401192	80N	Access	52401370	80S	Dam
52401194	80N	Access	52401378	80W40N	Gully
52401196	120N	Shed	52401380	40S	Creek
52401198	160N	Tank	52401404	80N	Dam
52401200	40N	Access	52401424	40S	Trees
52401212	40S	Trees	52401426	40S	Trees
52401214	40S	Trees	52401428	40S	Trees
52401216	40S	Tank	52401430	40S	Trees
52401248	40S	Shed	52401442	40S	Creek
52401256	80N	Trough	52401444	40N	Dam
52401258	80N	Access	52401446	40N	Trough
52401260	80N	Access	52401460	80N	Slope
52401262	80N	Access	52401462	200N	Slope

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52401464	120	Curdie	52401560	280N	Crop
52401466	120S	Curdie	52401574	40N	Gully
52401468	120S	Curdie	52401580	160N	House
52401470	120S	Curdie	52401582	120N	House
52401472	200S	Access	52401584	240N	Creek
52401474	160S	Access	52401586	160N	Creek
52401476	240S	Access	52401604	40N	Trough
52401478	320S	Access	52401608	40N80E	Sewer
52401482	80S	Trough	52401618	40S	Trees
52401484	80S	Trough	52401620	160N	Gully
52401486	80S	Trough	52401622	40N	Gully
52401488	80S	Trees	52401636	280N&160E	House
52401490	80S	Trough	52401638	240N&80E	House
52401492	80S	Trough	52401640	200N	House
52401494	120N	Trees	52401642	160N	Dairy
52401496	120N	Trees	52401644	40N	Trough
52401498	120N	Trees	52401652	160N	Trees
52401500	120N	Trees	52401662	40S	Access
52401502	160N	Trees	52401664	200S	Trees
52401504	160N	Trough	52401666	200S	Trees
52401506	120N	Gully	52401668	200S	Trees
52401508	80N	Gully	52401670	200S	Trees
52401524	80S	Trees	52401672	200S	Forest
52401526	80S	Trough	52401674	200S	Forest
52401532	40N	Trough	52401676	200S	Forest
52401540	40S	Power	52401678	200S	Forest
52401556	80S	Trees	52401680	200S	Forest

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52401682	200S	Forest	52401790	40N	Gully
52401684	240S	Forest	52481024	40N80E	Irrigation
52401686	200S	Forest	52481030	40N	Bore
52401688	200S	Forest	52481032	80N	Dam
52401690	200S	Forest	52481046	40N	Road
52401692	200S	Forest	52481048	40S	House
52401694	200S	Forest	52481056	40N	Windmill
52401696	160S	Forest	52481062	40S	Crop
52401698	160S	Forest	52481064	40S	Crop
52401700	160S	Forest	52481066	40S	Crop
52401702	160S	Forest	52481084	40N	Access
52401704	160S	Forest	52481086	40N	Access
52401706	160S	Forest	52481092	120N	Bore
52401708	160S	Forest	52481094	120N	Bore
52401710	160S	Forest	52481096	120N	Bore
52401712	160S	Forest	52481116	40S80W	Irrigation
52401714	160S	Forest	52481118	240S	Irrigation
52401716	160S	Forest	52481120	200S	Irrigation
52401718	160S	Forest	52481122	240S80W	Irrigation
52401720	160S	Forest	52481124	240S	Irrigation
52401722	146S	Forest	52481126	200S	Irrigation
52401724	148S	Forest	52481128	120N	Irrigation
52401726	120N	Trees	52481130	120N	Irrigation
52401756	40N	Dam	52481132	120N	Irrigation
52401758	80N	Vibs	52481134	120N	Irrigation
52401768	40N	Dam	52481136	120N	Irrigation
52401788	80N	Gully	52481138	160N	Irrigation

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52481140	280N	Gaspipe	52481456	40S	Crop
52481142	280N	Gaspipe	52481462	80S	Scrub
52481144	160N	Pipeline	52481464	240N	River
52481146	160N	Pipeline	52481466	200N	River
52481148	40N	Pipeline	52481468	240N	River
52481154	40S	Tank	52481470	280N	River
52481156	80S	Bore	52481472	240N	River
52481158	40S	Access	52481474	280N	River
52481160	40S	Access	52481476	200N	River
52481162	40S	Access	52481478	200N	River
52481164	40S	Access	52481480	160S	Terrain
52481166	40S	Access	52481482	160S	Terrain
52481174	120S	Tanks	52481484	160S	Terrain
52481266	40S	Trough	52481486	160S	Terrain
52481280	80S	Trough	52481488	160S	Terrain
52481346	80N	Gas	52481490	160S	Terrain
52481348	200N	Gas	52481492	240S	Slope/t
52481350	80S	Gas	52481494	80S	Gully
52481354	40N	Trough	52481496	80S	Gully
52481368	40N	Trough	52481498	80S	Gully
52481376	120S	Gully	52481500	160S	Trough
52481378	80N	Access	52481502	120S	Trees
52481408	40N	House	52481504	120S	Tank
52481410	40N	House	52481506	160S	Trough
52481436	80S	Trees	52481508	160S	Trough
52481438	200S	Creek	52481510	240S	Trees
52481454	80S	Crop	52481512	160S	Crops

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52481514	160S	Crops	52481600	160S	Valley
52481516	160S	Trough	52481602	240S	Valley
52481518	160S	Crop	52481604	240S	Valley
52481520	80N	Trough	52481606	200S	Valley
52481522	80N	Troughs	52481608	120S80E	Sewer
52481524	80N	Dairy	52481610	80S	Gully
52481526	120N	Pole	52481612	120S	Gullys
52481528	120N	Trough	52481614	120S	Gully
52481530	80N	Trough	52481616	40S	Slope
52481532	80N	Trees	52481618	40S	Slope
52481534	40N	Trough	52481620	120S	Crop
52481536	80S	Dam	52481622	120S	Crop
52481538	80S	Dam	52481628	80S	Access
52481546	80S	Trough	52481630	200S	Pond
52481564	280S	Crop	52481632	280S	House
52481566	240S	Crop	52481634	240S&80W	Pond
52481570	240S	Crop	52481636	80N&80E	House
52481572	240S	Crop	52481638	40N	Houses
52481574	240S	Crop	52481652	40S	Trees
52481576	240N	Creek	52481654	80S	Trees
52481578	40N	Creek	52481656	120S	Trees
52481588	160S	Crop	52481658	160S	Trees
52481590	240S	Crop	52481660	240S	Trees
52481592	240S	Valley	52481662	320S	Trees
52481594	160S	Valley	52481668	40S	Tank
52481596	120S	Valley	52481670	40S	Trees
52481598	160S	Valley	52481672	390S	Access

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52481674	340S	Access	52481734	280S	Trees
52481676	280S	Access	52481744	240S	House
52481678	220S	Access	52481746	240S	Shed
52481680	160S	Access	52481748	240S	Shed
52481682	100S	Access	52481750	40S	Creek
52481684	40S	Access	52481768	40N	Dam
52481686	20N	Access	52481770	40N	Dam
52481688	90N	Access	52561016	40S	Vib
52481690	150N	Access	52561088	40S	Access
52481692	210N	Access	52561090	40S	Access
52481694	270N	Access	52561092	40S	Access
52481696	330N	Access	52561094	40S	Access
52481698	340N	Access	52561096	40S	Access
52481700	310N	Access	52561098	40S	Access
52481702	280N	Access	52561100	40S	Access
52481704	230N	Access	52561102	40S	Access
52481706	200N	Access	52561104	40S	Access
52481708	160N	Access	52561106	40S	Access
52481710	120N	Access	52561108	40S	Access
52481712	80N	Access	52561110	40S	Access
52481714	50N	Access	52561112	40S	Access
52481716	10N	Access	52561114	40S	Access
52481718	30S	Access	52561116	40S	Access
52481720	60S	Access	52561118	40S	Access
52481722	100S	Access	52561120	40S	Access
52481724	130S	Access	52561122	40S	Access
52481726	80S	Access	52561124	40S	Access

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52561126	40S	Access	52561380	40S	Forest
52561128	120N	Pipe	52561382	40S	Forest
52561130	80N80E	Irrigation	52561384	40S	Forest
52561132	40N	Pipe	52561386	40S	Forest
52561218	40N	Tank	52561388	40S	Forest
52561222	40N	Tank	52561390	40S	Forest
52561266	40N	Tank	52561398	40N	Trough
52561332	80N	Trough	52561400	80S	Troughs
52561336	80S	Boundary	52561406	40N	Boggy
52561338	120S	House	52561408	120N	Dam
52561340	120S	House	52561420	40S	Trough
52561342	120S	House	52561422	40S	Trough
52561348	40S	Trough	52561432	120N	Creek
52561352	200S	Gas	52561434	120N	Trough
52561354	80S	Forest	52561452	40S	Dam
52561356	80S	Forest	52561454	80S	Dam
52561358	80S	Forest	52561460	80S	Trough
52561360	80S	Forest	52561462	40S	Trough
52561362	80S	Forest	52561472	40S	Slope
52561364	80S	Forest	52561478	80S80W	Trough
52561366	120S	Forest	52561484	40S80W	Slope
52561368	80S	Forest	52561486	80S	Slope
52561370	80S	Forest	52561488	40N	Terrain
52561372	80S	Forest	52561494	40N	Trees
52561374	80S	Forest	52561508	80S	Gully
52561376	80E80S	Trees	52561510	120S	Gully
52561378	40S	Forest	52561512	120S	Cliff

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52561514	200S	Slope	52641060	80N	Seeding
52561516	200S	Access	52641062	80N	Crop
52561522	40S	Gully	52641064	80N	Crop
52561524	80S	Terrain	52641066	80N	Crop
52561526	80S	Terrain	52641102	40S	Trough
52561528	80S	Dam	52641108	80S	Pipeline
52561530	80S	Trough	52641110	80S	Pipeline
52561532	40S	Trees	52641112	120N	Pipeline
52561534	80S	Trees	52641114	240N	Pipeline
52561536	80S	Trees	52641116	280N	Pipeline
52561538	80S	Trees	52641118	240N	Pipeline
52561560	80N	Trough	52641120	120N	House
52561568	80N	Race	52641128	80S	Bore
52561570	160S	Gully	52641130	120S80W	Irrigation
52561572	160S	Race	52641132	80S	Bore
52561574	200S	Dam	52641134	80S	Trough
52561576	80N	Trough	52641136	80S	Dairy
52641016	40N	Trough	52641138	160S	Dairy
52641024	40S	U/g Mains	52641140	120S	Trough
52641032	80N	Trough	52641142	120S	Vib
52641034	120N	Trough	52641144	40N	Tank
52641036	40N	Troughs	52641172	80N	Trough
52641046	120S	Trees	52641174	120N	Bore
52641048	160S	House	52641176	120N	Bore
52641050	160S	House	52641188	80N	Tank
52641052	40S	Trough	52641198	40N	Dairy
52641058	80N	Seeding	52641200	40N	Tank

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52641208	120S	Crop	52641350	80S	Bore
52641210	120S	Crop	52641352	80S	Bore
52641212	120S	Crop	52641356	40N	Gas
52641214	120S	Crop	52641358	160N	Gas
52641216	240S	Crop	52641360	360S	Forest
52641218	240S	Irrigation	52641362	360S	Forest
52641220	240S	Irrigation	52641364	360S	Forest
52641222	200S	Irrigation	52641366	360S	Forest
52641224	200S	Irrigation	52641368	360S	Forest
52641226	200S	Irrigation	52641370	360S	Forest
52641228	200S	Irrigation	52641372	360S	Forest
52641230	240S	Irrigation	52641374	360S	Forest
52641232	240S	Irrigation	52641376	80N	Trees
52641234	200S	Irrigation	52641378	40N	Trees
52641236	200S	Irrigation	52641384	280N	Gully
52641238	240S	Trees	52641386	240N	Dam
52641240	200S	Trees	52641388	240N	Dam
52641242	160S	Trees	52641390	240N	Dam
52641244	40S	Tanks	52641392	80N	Trough
52641256	40N	Shed	52641394	40N	Trough
52641258	40N	Shed	52641396	40N	Trough
52641268	40S	Bore	52641412	40N	Road
52641298	40S	Trough	52641418	160S	Bore
52641342	160N	House	52641420	160S	Bore
52641344	120N	House	52641434	40N	Trough
52641346	120N	Trough	52641450	80N	Dam
52641348	120N	Trough	52641452	120N	Dam

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52641458	40S	Dairy	52641530	80S	Trough
52641460	80S	Dairy	52641532	80S	Trough
52641462	80S	Dam	52641534	40S	Crop
52641464	160S	Dam	52641536	40S	Crop
52641466	40S	Trough	52641538	40S	Crop
52641474	40N	Trees	52641558	160S	Irrigation
52641484	120N	Slope	52641560	200S	Ugnd
52641486	160N	Slope	52641562	200S	Ugnd
52641488	160S	Terrain	52641564	200S	Ugnd
52641490	120S	Terrain	52641566	200S	Ugnd
52641492	160S	Terrain	52641570	40N	Slope
52641494	160S	Terrain	52641574	80N	Irrigation
52641496	40S	River	52641576	40N	Irrigation
52641500	40N	Slope	52641578	80S	Slope
52641502	80N	Slope	52641580	120S	Slope
52641504	40N	Slope	52641582	200S	Slope
52641508	200S	River	52721008	40N	House
52641510	268S	Slope	52721010	40N	House
52641512	320S	Slope	52721016	40S	Troughs
52641514	320S	Slope	52721032	40S	Bore
52641516	320S	Slope	52721040	40N	Trough
52641518	280S	Slope	52721042	40N	House
52641520	280S	Slope	52721044	40N	House
52641522	280S	Slope	52721052	80S	Irrigation
52641524	360S	Terrain	52721054	80S	Irrigation
52641526	360S	Terrain	52721056	120S	Trees
52641528	80S	House	52721082	40S	Pipeline

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52721084	80S	Pipeline	52721242	160N	Access
52721086	80S	Pipeline	52721244	160N	Access
52721088	80N	Pipeline	52721246	160N	Access
52721090	40N	Pipeline	52721258	40N	Tank
52721126	40S	Powerpole	52721304	160N	Trees
52721134	80N	Trough	52721306	160N	Trees
52721136	40N	Access	52721308	160N	Trees
52721172	40S	Trough	52721310	160N	Trees
52721174	40S	Trough	52721352	40S	Forest
52721180	40S	Trough	52721354	80S	Forest
52721182	40S	Trough	52721356	120S	Forest
52721198	40N	Trough	52721358	280N	Forest
52721208	40S	Trees	52721360	280N	Forest
52721210	40S	Trees	52721362	280N	Forest
52721216	160N	Irrigation	52721366	120S	Gas
52721218	160N	Irrigation	52721370	200N	Troughs
52721220	160N	Irrigation	52721372	80E40N	Bldg
52721222	160N	Irrigation	52721374	80N	Troughs
52721224	120N	Irrigation	52721378	160S	Trees
52721226	120N	Access	52721384	280N	Dam
52721228	120N	Access	52721386	280N	Dams
52721230	120N	Access	52721388	240N	Dam
52721232	120N	Access	52721390	160N	Dam
52721234	120N	Access	52721392	80N	Dam
52721236	120N	Access	52721394	80N	Troughs
52721238	120N	Access	52721398	40S	Bore
52721240	160N	Access	52721414	40N	Trough

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52721424	200N	Powerpole	52721502	280N	Crop
52721426	160N	House	52721504	280N	Crop
52721428	160N	Trees	52721506	280N	Crop
52721430	160N	Trees	52721508	280N	Crop
52721432	240N	House	52721512	120N	Terrain
52721434	240N	House	52721514	80W200N	Terrain
52721436	240N	Bldgs	52721516	80E240N	Rive
52721438	240N	Boggy	52721518	200N	River
52721440	80S	Road	52721520	200N	River
52721442	120S	Road	52721522	240N	Slope
52721444	240S	Road	52721524	280N	Slope
52721446	200S	House	52721526	280N	Slope
52721448	80S	Trough	52721528	280N	Slope
52721452	80S	House	52721530	280N	Access
52721454	40S	House	52721532	160N	Access
52721474	200S	Trees	52721534	160N	Access
52721476	80S	Trough	52721536	160N	Access
52721478	80S	House	52721538	160N	Access
52721480	40S	House	52721540	160N	Road
52721482	40S	Race	52721542	160N	Road
52721484	40S	Trough	52721546	40S	House
52721486	40S	Trough	52721548	80S	Trough
52721492	40S	Crop	52721550	40S	Trough
52721494	80W280N	Terrain	52721552	40S	Dam
52721496	80E160N	Terrain	52721560	40S80W	Slope
52721498	120N	Terrain	52721562	255S	Slope
52721500	120N	Terrain	52721564	280S	Dairy

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52721566	280S	Slope	52801134	40S	Tank
52801000	200S	Irrigation	52801140	80S	Irrigation
52801002	200S	Irrigation	52801142	40S	Irrigation
52801004	200S	Irrigation	52801152	40S	Trough
52801014	40S	Trough	52801196	40S	Bore
52801016	120S	Troughs	52801198	40S	Bore
52801018	80S	Boggy	52801208	160S	Irrigation
52801020	80S	Boggy	52801210	160S	Irrigation
52801022	120S	Boggy	52801212	160S	Irrigation
52801024	40S	Boggy	52801214	160S	Irrigation
52801034	80S	Trough	52801294	40S	House
52801038	80S	Trough	52801296	160S	House
52801046	40S	Trees	52801298	80S	House
52801052	40N	Access	52801300	80S	Bore
52801054	200N	Pipeline	52801302	80S	Bore
52801056	200N	Pipeline	52801306	80N	Trough
52801058	80S	Pipeline	52801318	40N	Trees
52801060	80S	Pipeline	52801324	80N	Bore
52801062	120S	Pipeline	52801326	80N	Trough
52801064	40N	Pipeline	52801336	120S	Bore
52801066	40N	Pipeline	52801338	120S	Bore
52801078	40S	Trough	52801350	80W40S	Bores
52801080	40S	Trough	52801352	160W80S	Bore
52801104	40S	Trough	52801354	160E80N	Bore
52801106	40S	Trough	52801356	80E40N	Bores
52801108	40S	Trough	52801372	80N	Bore
52801132	40S	Tank	52801374	120N	Gas

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52801394	40S	Trough	52881010	40N	Trough
52801446	80S	Trough	52881012	40N	Trough
52801448	80S	Trough	52881016	200N	House
52801454	40S	Bore	52881018	200N	House
52801456	120S	Trees	52881020	200N	House
52801458	80S	Road	52881022	160N	Trough
52801460	40S	Road	52881028	40N	Trough
52801478	160S	House	52881032	160S	Troughs
52801480	160S	House	52881034	80S	Troughs
52801482	160S	Trough	52881036	40S	Trough
52801484	160S	Dam	52881038	80S	Gaspipeline
52801486	160S	Gully	52881040	120S	Gaspipeline
52801488	40S	Trough	52881042	160S	Gaspipeline
52801494	80N	Trees	52881044	200S	Gaspipeline
52801514	80W40N	Terra	52881046	40N	Pipeline
52801516	80E40S	River	52881072	40N	Bore
52801520	40S	Slope	52881074	40N	Bore
52801522	40S	Slope	52881076	40N	Shed
52801532	80S	Slope	52881088	40S	Trough
52801534	80S	Slope	52881090	40S	Vib
52801536	40S	Slope	52881092	40S	Crop
52801542	80N	House	52881094	40S	Crop
52801544	120N	House	52881100	40S	Trough
52801546	80N	Troughs	52881104	40S	Bore
52801548	160N	Bore	52881106	80S	Trough
52801550	40N	House	52881108	120S	Shed
52881008	40N	Trough	52881110	120S	Dairy

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52881112	120S	Dairy	52881202	40S	Trough
52881136	40S	Tanks	52881208	240S10W	Irrigation
52881138	280S	Irrigation	52881210	240S10W	Irrigation
52881140	360S	Irrigation	52881212	240S15W	Irrigation
52881142	320S	Irrigation	52881214	280S20W	Irrigation
52881144	120N	Irrigation	52881216	120N	House
52881146	120N	Irrigation	52881218	160N	Tank
52881148	80S	Dairy	52881220	80N	Access
52881150	80S	Dairy	52881222	40N	Access
52881152	200N	House	52881232	40N	Tank
52881168	120S	Irrigation	52881234	40N	Tank
52881170	120S	Irrigation	52881248	120S	Turnips
52881172	120S	Irrigation	52881250	120S	Turnips
52881174	120S	Irrigation	52881252	200S	Tank
52881176	120S	Irrigation	52881254	120S	Turnips
52881178	280S	Irrigation	52881256	120S	Turnips
52881180	280S	Irrigation	52881258	200S	Tanks
52881182	240S	Irrigation	52881260	160S	Access
52881184	80S	Irrigation	52881262	160S	Access
52881186	80S	Dairy	52881264	160S	Access
52881188	160S	Dairy	52881266	120S	Crop
52881190	160S	Dairy	52881268	80N	Bore
52881192	80S	Trough	52881288	80E40S	Tree
52881194	80S	Building	52881302	80S	Trough
52881196	80S	Building	52881324	40N	Trough
52881198	40S	Building	52881350	80W40S	Scrub
52881200	40S	Trough	52881352	240E120N	Scrub

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52881354	160E80N	Scrub	52961058	40S	Access
52881356	80E40N	Scrub	52961060	40S	Access
52881362	40N	Bore	52961062	40S	Access
52881364	80N	Bore	52961064	40S	Access
52881366	40N	Trough	52961066	40S	Access
52961000	120S	Dam	52961070	200N	House
52961004	40S	Tel	52961072	240N	House
52961006	40S	Road	52961094	40N	Shelter
52961008	40S	Road	52961108	40S	Access
52961010	40S	Road	52961110	40S	Access
52961012	40S	Road	52961112	40S	Access
52961014	80S	Road	52961114	80S	House
52961016	80S	Road	52961128	40S	Access
52961018	80S	Road	52961130	40S	Access
52961020	80S	Gaspipeline	52961132	40S	Access
52961022	80S	Gaspipeline	52961134	40S	Access
52961024	80N	Pipeline	52961136	40N	House
52961026	40N	Pipeline	52961138	40N	House
52961028	40N	Pipeline	52961150	200N	Building
52961030	40N	Pipeline	52961152	80N	Building
52961032	80S	Cable	52961188	160N	House
52961034	280N	Pines	52961190	160N	House
52961048	80N	Powerpole	52961192	160N	Building
52961050	40N	Road	52961194	80N	Building
52961052	40N	House	52961216	40S	Permit
52961054	40N	House	52961218	40S	Permit
52961056	40S	Access	52961220	40S	Permit

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52961222	40S	Permit	52961276	40S	Permit
52961224	40S	Permit	52961278	120S	Dairy
52961226	40S	Permit	52961280	120S	Dairy
52961228	40S	Permit	52961282	40S	Permit
52961230	40S	Permit	52961284	40S	Permit
52961232	40S	Permit	52961286	40S	Permit
52961234	40S	Permit	52961288	80S	Access
52961236	40S	Permit	52961290	40S	Access
52961238	40S	Permit	52961292	40S	Access
52961240	40S	Permit	52961294	40S	Access
52961242	40S	Permit	52961304	240S	Bore
52961244	40S	Permit	52961306	40S	Road
52961246	40S	Permit	52961308	40S	Road
52961248	200S	House	52961310	40S	Road
52961250	200S	House	52961312	40S	Road
52961252	200S	Access	52961314	40S	Road
52961254	200S	Access	52961316	160S	Dairy
52961256	200S	Access	52961318	160S	Dairy
52961258	280S	Access	52961320	160S	Dairy
52961260	360S	House	52961322	160S	Dairy
52961262	440S	Dairy	52961324	160S	Troughs
52961264	80S80E	House	52961326	160S	Trough
52961266	40S	Permit	52961328	200S	House
52961268	40S	Permit	52961330	200S	House
52961270	40S	Permit	52961332	200S	House
52961272	40S	Permit	52961334	80S	House
52961274	40S	Permit	52961336	80S	House

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
52961338	80S	House	53041082	40S	Access
52961340	80S	House	53041084	40S	Tank
53041000	40S	Trough	53041092	120S	Shed
53041006	120N	Pipeline	53041094	120S	Shed
53041008	120N	Pipeline	53041096	40S	Access
53041010	80N	Pipeline	53041108	120N	Seeding
53041020	80N	Bore	53041110	120N	Seeding
53041022	40N	Bore	53041112	120N	Seeding
53041030	40N	Shed	53041114	120N	Seeding
53041032	40N	Shed	53041116	120N	Access
53041046	40N	Road	53041118	120N	Access
53041050	80S	Bore	53041120	40N	Tank
53041052	80S	Bore	53041122	40N	Access
53041054	40S	Trees	53041124	40N	Tank
53041056	160N	Shed	53041128	40N	House
53041058	280N	Trough	53041130	80N	Dairy
53041060	240N	Irrigation	53041132	80N	Dairy
53041062	240N	Irrigation	53041134	40N	Dairy
53041064	240N	Irrigation	53041140	80N	Shed
53041066	240N	Irrigation	53041142	80N	Shed
53041068	80S	Shed	53121000	40S	Trough
53041070	40S	Access	53121046	240N	Dairy
53041072	40S	Access	53121048	200S	Powerpole
53041074	40S	Access	53121050	120S	Shed
53041076	120S	Access	53121052	80S	Access
53041078	160S	Tank	53121054	80S	Bore
53041080	40S	Access	53121056	120S	Bore

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
53121060	40S	Trough	53201118	40N	Bore
53121072	80S	Bore	53201120	80S	Access
53121074	80S	Bore	53201122	80S	Bore
53121076	80S	Bore	53201124	80S	Access
53121078	80S	Bore	53201126	120S	House
53121086	40S	Trough	53281026	40S	Bore
53121088	40N	Tanks	53281028	80S	Bore
53121090	40N	Powerpole	53281030	40S	Bore
53121092	40N	Access	53281038	80N	Bore
53121094	160N	Scrub	53281040	80N	Bore
53121116	40N	Tank	53281052	160N	Trough
53201006	120S	Bore	53281054	160N	Access
53201008	120S	Bore	53281062	160N	Trough
53201010	120S	Bore	53281068	120N	Irrigation
53201068	40S	Irrigation	53281070	200N	Irrigation
53201070	120S	Irrigation	53281072	280N	Irrigation
53201072	200S	Irrigation	53281074	280N	Irrigation
53201074	200S	Irrigation	53281076	280N	Irrigation
53201076	240S80E	Bore	53281078	280N	Irrigation
53201078	200S	Irrigation	53281080	280N	Irrigation
53201080	160S	Irrigation	53281082	240N	Irrigation
53201082	160S	Irrigation	53281084	200N	Irrigation
53201084	40S	Irrigation	53361010	80S	Dairy
53201086	40N	Shed	53361012	120S	Dairy
53201106	40S	Bore	53361014	120S	Dairy
53201108	40S	Tank	53361064	80S	House
53201116	40N	Bore	53361066	80S	House

Source Offset Lines continued

Station	Offset	Reason	Station	Offset	Reason
53361068	80S	House	53441064	80S	Trough
53361070	40S	Access	53441066	40S	Trough
53441014	40S	Trough	53441068	40S	Trough
53441016	120S	Trough	53441074	80S	Trough
53441058	40S	Trough	53441076	80S	Trough
53441060	40S	Trough	53441078	80S	Trough
53441062	80S	Trees			

Receiver Line Offsets

Receiver Line Offsets

Station	Offset	Reason	Station	Offset	Reason
10005317	35W	Dam	10645295	5S	Road
10085297	80E	Trees	10725295	7E5N	Road
10085298	80E	Trees	10965235	80E	House
10085299	80E	Trees	10965236	80E	House
10085300	80E	Trees	10965237	80E	House
10085301	80E	Trees	10965238	80E	House
10165283	35W	Dam	11045193	23W	House
10165284	80W	Dam	11045194	23W	House
10165285	80W	Dam	11045195	23W	House
10165286	35W	Dam	11045196	23W	House
10165290	26W	Trees	11125288	35W	Dairy
10245250	11W	Pond	11125289	80W	Dairy
10325281	4N	Dam	11125290	80W	Dairy
10325296	11W	Pines hc	11125291	80W	House
10405295	5N	Road	11125292	80W	House
10485252	40W	Bulls	11125293	80W	House
10485253	31W	Bulls	11205205	80E	House
10485254	31W	Bulls	11205206	80E	House
10485263	24E	House	11205232	35W	Bldgs
10485266	30E	Dam	11205233	35W	Bldgs
10485295	3S	Road	11205264	35W	House
10485311	30E	House	11285144	80E	Plines
10565250	10E	Bulls	11285145	80E	Plines
10565251	9E	Bulls	11285146	80E	Plines
10565278	43E	House	11285147	80E	Plines
10565279	45E	House	11285148	80E	Plines
10565295	3S	Road	11285149	80E	Plines

Receiver Line Offsets continued

Station	Offset	Reason	Station	Offset	Reason
11285150	80E	Plines	11285203	80W	Powerline
11285151	80E	Plines	11285204	80W	Powerline
11285152	80E	Plines	11285205	80W	Powerline
11285153	80E	Plines	11285206	80W	Powerline
11285154	80E	Plines	11285207	80W	Powerline
11285155	80E	Plines	11285208	80W	Powerline
11285156	80E	Plines	11285209	80W	Powerline
11285157	80E	Plines	11285210	80W	Powerline
11285158	80E	Plines	11285211	80W	Powerline
11285159	80E	Plines	11285212	80W	Powerline
11285160	80E	Plines	11285213	80W	Powerline
11285161	80E	Plines	11285214	80W	Powerline
11285162	80E	Plines	11285215	80W	Powerline
11285163	80E	Plines	11285216	80W	Powerline
11285164	80E	Plines	11285217	80W	Powerline
11285180	10W	No Entry	11285218	80W	Powerline
11285181	9W	No Entry	11285219	80W	Powerline
11285193	80W	Powerline	11285220	80W	Powerline
11285194	80W	Powerline	11285221	80W	Powerline
11285195	80W	Powerline	11285222	80W	Powerline
11285196	80W	Powerline	11285223	80W	Powerline
11285197	80W	Powerline	11285224	80W	Powerline
11285198	80W	Powerline	11285225	80W	Powerline
11285199	80W	Powerline	11285226	80W	Powerline
11285200	80W	Powerline	11285227	80W	Powerline
11285201	80W	Powerline	11285228	80W	Powerline
11285202	80W	Powerline	11285229	80W	Powerline

Receiver Line Offsets continued

Station	Offset	Reason	Station	Offset	Reason
11285230	80W	Powerline	11285257	80W	Powerline
11285231	80W	Powerline	11285258	80W	Powerline
11285232	80W	Powerline	11285259	80W	Powerline
11285233	80W	Powerline	11285260	80W	Powerline
11285234	91W	Boundary	11285261	80W	Powerline
11285235	91W	Boundary	11285262	80W	Powerline
11285236	96W	Trees	11285263	80W	Powerline
11285237	96W4N	Trees	11285264	80W	Powerline
11285238	80W	Powerline	11285265	80W	Powerline
11285239	80W	Powerline	11285266	80W	Powerline
11285240	80W	Powerline	11285267	80W	Powerline
11285241	80W	Powerline	11285268	80W	Powerline
11285242	80W	Powerline	11285269	80W	Powerline
11285243	80W	Powerline	11285270	80W	Powerline
11285244	80W	Powerline	11285271	80W	Powerline
11285245	80W	Powerline	11285272	80W	Powerline
11285246	80W	Powerline	11285273	80W	Powerline
11285247	80W	Powerline	11285274	80W	Powerline
11285248	80W	Powerline	11285275	80W	Powerline
11285249	80W	Powerline	11285276	80W	Powerline
11285250	80W	Powerline	11285277	80W	Powerline
11285251	80W	Powerline	11285278	80W	Powerline
11285252	80W	Powerline	11285279	80W	Powerline
11285253	80W	Powerline	11285280	80W	Powerline
11285254	80W	Powerline	11285281	80W	Powerline
11285255	80W	Powerline	11285282	80W	Powerline
11285256	80W	Powerline	11285283	80W	Powerline

Receiver Line Offsets continued

Station	Offset	Reason	Station	Offset	Reason
11285284	80W	Powerline	11285311	80W	Powerline
11285285	80W	Powerline	11285312	80W	Powerline
11285286	80W	Powerline	11285313	80W	Powerline
11285287	80W	Powerline	11285314	80W	Powerline
11285288	80W	Powerline	11285315	80W	Powerline
11285289	80W	Powerline	11285316	80W	Powerline
11285290	80W	Powerline	11285317	80W	Powerline
11285291	80W	Powerline	11285318	80W	Powerline
11285292	80W	Powerline	11285319	80W	PI EOL
11285293	80W	Powerline	11365267	80W	House
11285294	80W	Powerline	11365268	80W	House
11285295	80W4N	Pline	11365269	80W	House
11285296	80W	Powerline	11445160	33E	Dairy
11285297	80W	Powerline	11445161	34E	Dairy
11285298	80W	Powerline	11445162	31E	Dairy
11285299	80W	Powerline	11445195	5S	Horsetrack
11285300	80W	Powerline	11445196	12E	Track
11285301	80W	Powerline	11525151	15E	House
11285302	80W	Powerline	11525289	47E	House
11285303	80W	Powerline	11525290	40E	House
11285304	80W	Powerline	11605145	35E	Trees
11285305	80W	Powerline	11605295	3N	Road EOL
11285306	80W	Powerline	11685152	4N	Road
11285307	80W	Powerline	11685295	4S	Road EOL
11285308	80W	Powerline	11765168	20W	Bush
11285309	80W	Powerline	11765236	35E	House
11285310	80W	Powerline	11765237	35E	House

Receiver Line Offsets continued

Station	Offset	Reason	Station	Offset	Reason
11845183	24W	Trees	12325160	160W	No Entry
11845287	3N	Track	12325161	160W	No Entry
11925295	3S	Road EOL	12325162	160W	No Entry
12005178	12E	Pines	12325163	160W	No Entry
12005179	12E	Pines	12325164	160W	No Entry
12005295	2N	Road EOL	12325165	160W	No Entry
12085152	5N	Road	12325166	160W	No Entry
12085295	6S6E	Road eo	12325167	160W	No Entry
12165266	17E	Shed	12325168	160W	No Entry
12165267	14E	Dairy	12325169	160W	No Entry
12165295	3N	Road EOL	12325170	160W	No Entry
12325144	160W	No Entry	12325171	160W	No Entry
12325145	160W	No Entry	12325172	160W	No Entry
12325146	160W	No Entry	12325173	160W	No Entry
12325147	160W	No Entry	12325174	160W	No Entry
12325148	160W	No Entry	12325175	160W	No Entry
12325149	160W	No Entry	12325176	160W	No Entry
12325150	160W	No Entry	12325177	160W	No Entry
12325151	160W	No Entry	12325178	160W	No Entry
12325152	160W	No Entry	12325179	160W	No Entry
12325153	160W	No Entry	12325180	160W	No Entry
12325154	160W	No Entry	12325181	160W	No Entry
12325155	160W	No Entry	12325182	160W	No Entry
12325156	160W	No Entry	12325183	160W	No Entry
12325157	160W	No Entry	12325184	160W	No Entry
12325158	160W	No Entry	12325185	160W	No Entry
12325159	160W	No Entry	12325186	160W	No Entry

Receiver Line Offsets continued

Station	Offset	Reason	Station	Offset	Reason
12325187	160W	No Entry	13285236	22W	House
12325188	160W	No Entry	13445139	14E	River
12325189	160W	Permit	13445140	15N	Creek
12325190	160W	Permit	13445201	35W	Permit
12325191	160W	Permit	13445202	38W	Permit
12325192	160W	Permit	13445208	80E	Permit
12325193	80W	Permit	13445209	80E	Permit
12405249	80E	Bees	13445210	80E	Permit
12405250	80E	Bees	13445211	80E	Permit
12405251	80E	Bees	13445212	80E	Permit
12405252	80E	Bees	13445213	80E	Permit
12405253	80E	Bees	13445224	32W	Dairy
12405254	80E	Bees	13445226	25E	Shed
12645240	9W	Dam EOL	13445262	30E	Access
12725285	3N	Race	13445263	30E	Access
12805295	7N	Road EOL	13525147	7S	River
13045283	3S	Race	13525202	16W	Orchard
13125266	80E	Trees	13525272	80W	Trees
13125267	80E	Trees	13525273	80W	Trees
13125268	80E	Trees	13525274	80W	Trees
13125269	80E	Trees	13525275	80W	Trees
13125270	80E	Trees	13525276	80W	Trees
13125271	80E	Trees	13525277	80W	Trees
13125272	80E	Trees	13525278	80W	Trees
13125273	80E	Trees	13525279	80W	Trees
13125274	80E	Trees	13525280	80W	Trees
13285232	11W	Shed	13525281	80W	Trees

Receiver Line Offsets continued

Station	Offset	Reason	Station	Offset	Reason
13525282	80W	Trees	13925001	80E	Trees
13525283	80W	Trees	13925002	80E	Trees
13525284	80W	Trees	13925003	80E	Trees
13525285	80W	Trees	13925004	80E	Trees
13525286	80W	Trees	13925005	80E	Trees
13525287	80W	Trees	13925006	80E	Trees
13525288	80W	Trees	13925007	80E	Trees
13525289	80W	Trees	13925008	80E	Trees
13525290	80W	Trees	13925009	80E	Trees
13525291	80W	Trees	13925023	13W	River
13525292	80W	Trees	14005017	6W	River
13525293	80W	Trees	14005018	6N	River
13525294	80W	Trees	14005025	80W	Hc Scrub
13525295	80W	Trees EOL	14005026	80W	Hc Scrub
13605149	8E	Creek	14005027	80W	Hc Scrub
13685117	15W	Camp	14005028	80W	Hc Scrub
13685148	16E	Scrub	14005029	80W	Hc Scrub
13685150	10N	River	14005207	7N	River
13765172	30W	River	14085014	80E	River
13765175	40E	River	14085072	14E	Building
13765176	25E	River	14085083	10W	Dairy
13845187	10N	River	14085084	9E	Dairy
13845218	15W	Ravine	14085177	80E	Trees
13845219	35E	Dam	14085178	80E	Trees
13845220	33E	Dam	14085179	80E	Trees
13845221	10E	Dam	14085180	80E	Trees
13925000	80E	Trees SOL	14085181	80E	Trees

Receiver Line Offsets continued

Station	Offset	Reason	Station	Offset	Reason
14085182	80E	Trees	14485024	23E	Shed
14085183	80E	Trees	14485032	14W	Creek
14085184	80E	Trees	14485125	2S	Road
14085185	80E	Trees	14485133	3S	Cattle
14085186	80E	Trees	14565008	36E	Dam
14085187	80E	Trees	14565009	32E	Dam
14085188	80E	Trees	14565010	24E	Dam
14085189	80E	Trees	14565068	9W	Dam
14085190	80E	Trees	14565083	24E	Scrub
14085191	80E	Trees	14645198	80E	Dam
14085192	80E	Trees	14645199	100E	Dam
14085203	80E	Scrub	14645200	80E	Dam
14085204	80E	Scrub	14645239	6N	Curdies r
14085205	80E	Scrub	14645272	3N	Race
14085206	80E	Scrub	14725122	3N	Road
14165012	9S	River	14725239	63E	Hill
14165266	13W	House	14885171	12W	Shed hc
14245006	7S	River	14885252	40E	Hill
14245007	21E	River	14885253	10E	Hill
14245153	20E	House	14885265	80E	Access
14245154	20E	House	14885266	80E	Access
14245155	20E	House	14885267	52E	Access
14325043	14E	Hay Bale	14885277	17E	Bush
14325076	4S	Track	15285225	8E	Creek hc
14325149	12W	Dam	15285244	10E	Hay
14405025	80E	Dam	15285245	24E	Constcn
14405026	80E	Boggy hc	15365217	18W	Dam

Receiver Line Offsets continued

Station	Offset	Reason	Station	Offset	Reason
15445202	14E	Dam	16325226	80W	Access
15445215	25E	Dam	16325227	80W	Access
15445227	55E	Dam	16325228	80W	Access
15445228	55E	Dam	16325229	80W	Access
15525278	11E	House	16325230	80W	Access
15605263	80W	Construc	16325231	80W	Access
15605264	80W	Construc	16325232	80W	Access
15605265	80W	Construc	16325233	80W	Access
15765234	25W	Dairy hc	16325234	80W	Access
15765255	12E	Dam	16325235	80W	Access
15765260	31W	Quarry	16405206	80E	Trees
15845217	24E	Dam	16405207	80E	Trees
15925182	80W	Dam	16405208	80E	Trees
15925183	80W	Dam	16485229	12W	Shed
15925184	80W	Dam	16645134	80W	Crop
15925185	80W	Dam	16645135	160W	Crop
16005178	15E	Dam	16645136	160W	Crop
16005180	18E	Dam	16645137	160W	Crop
16005183	80W	Dam	16645138	160W	Crop
16005184	80W	Dam	16645139	160W	Crop
16005185	80W	Dam	16645140	160W	Trees
16005186	80W	Dam	16645141	160W	Trees
16005187	80W	Dam	16645142	160W	Trees
16005235	4S	Road	16645143	160W	Trees
16085246	25E	Dam	16645144	160W	Trees
16325224	80W	Access	16645145	160W	Trees
16325225	80W/24	Scrub	16645146	160W	Trees

Receiver Line Offsets continued

Station	Offset	Reason	Station	Offset	Reason
16645147	160W	Trees	16965195	160W	Deer
16645148	160W	Trees	16965196	80W	Deer
16645149	80W	Trees	16965197	70W	Permit
16645187	18W	House	17045095	80W	Trees
16805144	80E	Trees	17045096	80W	Trees
16805145	80E	Trees	17045097	80W	Trees
16805146	80E	Trees	17045098	80W	Trees
16805147	80E	Trees	17045099	80W	Trees
16965176	80W	Permit	17045100	80W	Trees
16965177	80W	House	17045101	80W	Trees
16965178	80W	Permit	17045194	14W	Dam
16965179	80W	Permit	17125094	6S	Fence
16965180	80W	Permit	17125095	320W	Permit
16965181	80W	Permit	17125096	320W	Permit
16965182	80W	Permit	17125097	320W	Permit
16965183	80W	Permit	17125098	320W	Permit
16965184	80W	Permit	17125099	320W	Permit
16965185	160W	Permit	17125100	320W	Permit
16965186	160W	Permit	17125101	320W	Permit
16965187	160W	Permit	17125102	5N	Fence
16965188	160W	Permit	17125150	80E	Quarantine
16965189	160W	Permit	17125151	80E	Quarantine
16965190	160W	Permit	17125152	80E	Quarantine
16965191	160W	Permit	17125153	160E	Dairy
16965192	160W	Permit	17125154	160E	Dairy
16965193	160W	Permit	17125155	160E	Quarantine
16965194	160W	Permit	17125156	80E	Horses

Receiver Line Offsets continued

Station	Offset	Reason	Station	Offset	Reason
17125157	80E	Horses	17365082	80E	No Access
17125158	80E	Horses	17365094	8S	Fence
17125159	80E	Horses	17365095	80E	Permit
17125160	80E	Horses	17365096	80E	Permit
17125161	80E	Horses	17365097	80E	Permit
17125162	80E	Horses	17365098	80E	Permit
17125163	80E	Horses	17365099	80E	Permit
17125164	80E	Horses	17365100	117E	Road
17205094	8S	Fence	17365101	114E	Road
17205102	7N	Fence\hay	17365102	2N	Fence
17205128	15E	Hay	17445095	80E	Creek
17205192	26E	Dam	17445096	80E	Creek
17205222	10W	Dam	17445097	80E	Creek
17285094	8S	Fence	17445098	80E	Creek
17285095	330E	Permit	17445099	80E	Creek
17285096	330E	Permit	17445100	80E	Creek
17285097	330E	Permit	17445101	80E	Creek
17285098	330E	Permit	17445102	72E	Ck Dam
17285099	330E	Permit	17445103	80E	Creek
17285100	330E	Permit	17445104	80E	Creek
17285101	330E	Permit	17445105	80E	Creek
17285102	2N	Fence	17445106	80E	Creek
17365070	25E	Trees	17445154	20E	Dam
17365071	25E	Thick bu	17445157	25W	Dam
17365079	80E	No Access	17445213	8E	Dam
17365080	80E	No Access	17525115	15E	Dam
17365081	80E	No Access	17525191	6W	Dam

Receiver Line Offsets continued

Station	Offset	Reason	Station	Offset	Reason
17525240	7W	Bush	18085225	80W	Bush
17685147	20W	Dam hc	18085226	80W	Bush
17765141	9W	Yard	18085227	80W	Bush
17845172	16W	Dam	18085228	80W	Bush
17845173	35W	Dam	18085229	80W	Bush
17845174	53W	Dam	18085230	80W	Bush
17925150	21W	Dam	18085231	80W	Bush
17925167	6S	Dam	18085232	80W	Bush
18005179	4W	Road	18085233	80W	Bush
18085207	33W	Dam	18085234	80W	Bush
18085208	17W	Dam	18085235	80W	Bush
18085217	80W	Bush	18085236	80W	Bush
18085218	80W	Bush	18085237	80W	Bush
18085219	80W	Bush	18085238	80W	Bush
18085220	80W	Bush	18085239	80W	Bush EOL
18085221	80W	Bush			
18085222	80W	Bush			
18085223	80W	Bush			
18085224	80W	Bush			

Hazard Tracking Sheets

Daily Reports

Photographs