

# PLSS GPS Observation Sheet

Project Name <b>SL T21S R15E</b> (Meridian Township Range)		Township		½ (2)	N S	Range		½ (2)	E W	Section		Meridian																											
		2	1		S	1	5		E			(SL)	US																										
Contacts Name <b>Lee M. Swasey</b>		Source Agency <b>JOHANSEN &amp; TUTTLE ENGINEERING</b>							Date <b>08/12/09</b>																														
Contacts Phone <b>(435) 381-2523</b>																																							
<b>Control Station</b>																																							
Name <b>CP-4</b>		COR			HARN			TRI			Type (Other) <b>EMERY COUNTY</b>			Accuracy																									
		Order																																					
USGS Quad Name <b>GREEN RIVER, UTAH</b>		Nad27			Nad83			Datum (Nad83 1994)			WGS84			Local		State <b>UTAH</b>																							
		County <b>EMERY</b>																																					
Latitude							Longitude																																
N	3	8	-	5	9	-	2	4	.	6	4	2	8	8	W	1	1	0	-	1	4	-	3	8	.	8	0	8	9	9									
Northing							Easting																																
6	8	0	3	4	3	7	.	6	5							1	9	9	7	3	9	2	.	0	9														
Units				Survey Foot				International Foot				Meter				Coordinate Type				State Plane				UTM															
Zone				Utah North				Utah Central				Utah South				Vertical Datum				NGVD29				NAVD88															
Ellipsoid Height				M				4197.18				FT				Geoid Height				M				4263.10				FT											
<b>Base Receiver</b>																																							
Type <b>TRIMBLE</b>				Model <b>4000 SSI</b>				Serial Number <b>3508A09833</b>																															
Logging Interval <b>5 SEC.</b>				Elevation Mask <b>13</b>				PDOP Mask <b>6</b>				Antenna Type <b>L1/L2 w/GROUND PLANE</b>																											
Start Time				AM				PM				End Time				AM				PM																			
Antenna Height																																							
Session Beginning				1 <sup>st</sup>				M				2 <sup>nd</sup>				M				3 <sup>rd</sup>				M				Ave				4.93				FT			
Session End				1 <sup>st</sup>				M				2 <sup>nd</sup>				M				3 <sup>rd</sup>				M				Ave				M							
<b>Rover Receiver</b>																																							
Type <b>TRIMBLE</b>				Model <b>5800</b>				Serial Number <b>4616113795</b>																															
Approximate Distance From Base Station				1.1				Miles				Antenna Type <b>5800 INTERNAL</b>				Antenna Height <b>6.89FT</b>																							
<b>Station Observation</b>																																							
Observation Type				(RTK)				FAST STATIC				STATIC				OTHER																							
First Observation																																							
Station Name (M1)				6				0				0				4				0				0				Description <b>NE Cor. Sec. 23</b>											
Occupation time				00:00:30				PDOP Best				RMS Best																											
Number of Measurements				31				PDOP Worst				2.73				RMS Worst				0.002M																			
Second Observation																																							
Station Name (M2)														Description																									
Occupation time								PDOP Best				RMS Best																											
Number of Measurements								PDOP Worst				RMS Worst																											
Inverse Distance Between M1 and M2				FT				Alternate Base Station Used				Yes				(No)																							
<b>Monument and Markings</b>																																							
Type / Size																																							
Stone				Pipe/Cap				Post				Other																											
Size				Size 2inch/3 inch				Size				Size																											
Material				Material steel/brass				Material				Material																											

Sketch/Rubbing or Attach Photo of GPS Station Occupied  
Show rotation of stampings/markings relative to North and describe briefly

See Emery County Land Survey  
Record Sheet 2115600400