

# PLSS GPS Observation Sheet

Project Name <b>SL T21S R15E</b> (Meridian Township Range)		Township <b>2 1</b>		1/2 (2) <b>S</b>	<b>N</b> <b>S</b>	Range <b>1 5</b>		1/2 (2)	<b>E</b> <b>W</b>	Section		Meridian <b>(SL) US</b>																		
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>																														
Control Station																														
Name <b>CP-4</b>		COR		HARN		TRI		Type <b>(Other) EMERY COUNTY</b>				Accuracy																		
		USGS Quad Name <b>GREEN RIVER, UTAH</b>		Nad27		Nad83		Datum <b>(Nad83 1994)</b>		WGS84		Local		Order																
												State <b>UTAH</b>		County <b>EMERY</b>																
Latitude							Longitude																							
<b>N</b>	<b>3</b>	<b>8</b>	<b>-</b>	<b>5</b>	<b>9</b>	<b>-</b>	<b>2</b>	<b>4</b>	<b>.</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>8</b>	<b>8</b>	<b>W</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>-</b>	<b>1</b>	<b>4</b>	<b>-</b>	<b>3</b>	<b>8</b>	<b>.</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>9</b>	<b>9</b>
Northing							Easting																							
<b>6</b>	<b>8</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>7</b>	<b>.</b>	<b>6</b>	<b>5</b>							<b>1</b>	<b>9</b>	<b>9</b>	<b>7</b>	<b>3</b>	<b>9</b>	<b>2</b>	<b>.</b>	<b>0</b>	<b>9</b>					
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												
Base Receiver																														
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														
Rover Receiver																														
Type <b>TRIMBLE</b>				Model <b>5800</b>				Serial Number <b>4616113795</b>																						
Approximate Distance From Base Station				1.6		Miles		Antenna Type <b>5800 INTERNAL</b>				Antenna Height <b>6.89FT</b>																		
Station Observation																														
Observation Type		(RTK)		FAST STATIC		STATIC		OTHER																						
First Observation																														
Station Name (M1)		<b>6</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	Description <b>NE Cor. Sec. 11</b>																						
Occupation time				<b>00:00:59</b>				PDOP Best				RMS Best																		
Number of Measurements				<b>60</b>				PDOP Worst <b>2.62</b>				RMS Worst <b>0.002M</b>																		
Second Observation																														
Station Name (M2)		<b>2</b>	<b>3</b>	<b>7</b>				Description <b>Check</b>																						
Occupation time				<b>00:00:02</b>				PDOP Best				RMS Best																		
Number of Measurements				<b>3</b>				PDOP Worst <b>4.51</b>				RMS Worst <b>0.007M</b>																		
Inverse Distance Between M1 and M2				<b>0.11</b>		FT		Alternate Base Station Used				Yes		(No)																
Monument and Markings																														
Type / Size																														
Stone		Pipe/Cap				Post				Other																				
Size		Size <b>2inch/3 inch</b>				Size				Size																				
Material		Material <b>steel/brass</b>				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 2115600600