

# 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>	N <b>S</b>	Range <b>1 5</b>		1/2 (2) <b>E</b>	E <b>W</b>	Section		Meridian <b>SL</b> 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>																															
Control Station																															
Name <b>CP-4</b>		COR			HARN			TRI			Type <b>Other</b> EMERY COUNTY			Accuracy <b>Order</b>																	
		USGS Quad Name <b>GREEN RIVER, UTAH</b>		Datum <b>Nad83 (1994)</b>			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		<b>International Foot</b>		Meter		Coordinate Type				<b>State Plane</b>		UTM															
Zone				Utah North		<b>Utah Central</b>		Utah South		Vertical Datum				NGVD29		<b>NAVD88</b>															
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				1.0		Miles		Antenna Type <b>5800 INTERNAL</b>				Antenna Height <b>6.89FT</b>																			
Station Observation																															
Observation Type		<b>RTK</b>		FAST STATIC		STATIC		OTHER																							
First Observation																															
Station Name (M1)		6		0		0		5		0		0		Description <b>NE Cor. Sec. 14</b>																	
Occupation time				00:01:12				PDOP Best				RMS Best																			
Number of Measurements				60				PDOP Worst 1.84				RMS Worst 0.001M																			
Second Observation																															
Station Name (M2)		2		2		9		Description <b>Check</b>																							
Occupation time				00:00:02				PDOP Best				RMS Best																			
Number of Measurements				3				PDOP Worst 2.53				RMS Worst 0.002M																			
Inverse Distance Between M1 and M2				0.03				FT		Alternate Base Station Used				Yes		<b>No</b>															
Monument and Markings																															
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 2115600500