

# PLSS GPS Observation Sheet

Project Name <b>SL T21S R15E</b> (Meridian Township Range)		Township <b>2 1</b>		1/2 (2) <b>N S</b>	Range <b>1 5</b>		1/2 (2) <b>E 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>														
<b>Control Station</b>														
Name <b>CP-6</b>		COR			HARN			TRI			Type <b>(Other) EMERY COUNTY</b>		Accuracy	
		USGS Quad Name <b>GREEN RIVER, UTAH</b>		Datum <b>Nad83 (1994)</b>			WGS84		Local		State <b>UTAH</b>		Order	
		Nad27		Nad83						County <b>EMERY</b>				
Latitude						Longitude								
N 3 8 - 5 7 - 4 8 . 8 6 8 0 2						W 1 1 0 - 1 3 - 5 3 . 9 3 5 4 8								
Northing						Easting								
6 7 9 3 7 9 8 . 7 0						2 0 0 1 0 7 2 . 2 6								
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		4175.40		FT		Geoid Height		M		4241.61 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												<b>4.93 FT</b>		
Session End		1 <sup>st</sup>		M		2 <sup>nd</sup>		M		3 <sup>rd</sup>		M		
Ave														
<b>Rover Receiver</b>														
Type <b>TRIMBLE</b>			Model <b>5800</b>			Serial Number <b>4616113795</b>								
Approximate Distance From Base Station <b>1.9 Miles</b>			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)		4 0 0 3 0 0		Description <b>NE Cor. Sec. 28</b>										
Occupation time		<b>00:01:26</b>		PDOP Best				RMS Best						
Number of Measurements		<b>60</b>		PDOP Worst <b>1.99</b>				RMS Worst <b>0.006M</b>						
Second Observation														
Station Name (M2)		3 4 2		Description <b>Check</b>										
Occupation time		<b>00:00:02</b>		PDOP Best				RMS Best						
Number of Measurements		<b>3</b>		PDOP Worst <b>2.01</b>				RMS Worst <b>0.002M</b>						
Inverse Distance Between M1 and M2		<b>0.03</b>		FT		Alternate Base Station Used		Yes		(No)				
<b>Monument and Markings</b>														
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 2115400300