

## PLSS GPS Observation Sheet

Project Name <b>SL T16S R10E</b> <small>(Meridian Township Range)</small>				Township		½ (2)	N S	Range		½ (2)	E W	Section			Meridian																
				T	1	6		S	1	0		E			(SL)	US															
Contacts Name Lee M. Swasey				Source Agency <b>JOHANSEN &amp; TUTTLE ENGINEERING</b>							Date 11/22/05																				
Contacts Phone (435) 381-2523																															
<b>Control Station</b>																															
Name <b>ELM GPS 12</b>				Type <b>Other EMERY COUNTY</b>							Accuracy <b>Order</b>																				
				COR	HARN	TRI																									
USGS Quad Name <b>OLSEN RESERVOIR UTAH</b>				Datum <b>Nad83 (1994)</b>							State <b>UTAH</b>																				
				Nad27	Nad83			WGS84	Local	County <b>EMERY</b>																					
<b>Latitude</b>								<b>Longitude</b>																							
N	3	9	-	2	3	-	2	5	.	4	2	8	1	2	7	W	1	1	0	-	4	5	-	0	1	.	5	8	6	1	0
<b>Northing</b>								<b>Easting</b>																							
6	9	4	7	5	8	7	.	6	3								1	8	5	2	2	5	7	.	0	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 1711.15 M				FT					Geoid Height M				5671.75 FT																		
<b>Base Receiver</b>																															
Type TRIMBLE				Model 4000 SSI					Serial Number																						
Logging Interval 5 SEC.			Elevation Mask 13			PDOP Mask 6			Antenna Type L1/L2 w/GROUND PLANE																						
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 4.685 Feet M																					
Session End				1 <sup>st</sup>	M	2 <sup>nd</sup>	M	3 <sup>rd</sup>	M	Ave M																					
<b>Rover Receiver</b>																															
Type TRIMBLE				Model 5800					Serial Number 4253117118																						
Approximate Distance From Base Station				Miles			Antenna Type 5800 INTERNAL					Antenna Height 6.6 FT																			
<b>Station Observation</b>																															
Observation Type <input checked="" type="radio"/> RTK <input type="radio"/> FAST STATIC <input type="radio"/> STATIC <input type="radio"/> OTHER																															
<b>First Observation</b>																															
Station Name (M1)				6	0	0	6	0	0	Description SE corner Sec. 2																					
Occupation time				PDOP Best					RMS Best																						
Number of Measurements 60				PDOP Worst 2.7					RMS Worst 10.2																						
<b>Second Observation</b>																															
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 2½ / 3¼ 1969 BLM					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 Monument Record Sheet 1610600600