

## PLSS GPS Observation Sheet

Project Name <b>SL T16S R11E</b> <small>(Meridian Township Range)</small>		Township T 1 6		½ (2)	N S	Range 1 1		½ (2)	E W	Section			Meridian <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">SL</span> US																	
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING							Date 11/30/05																					
Contacts Phone (435) 381-2523																														
Control Station																														
Name CP - 1		Type COR HARN TRI <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Other</span> Local Survey							Accuracy Order																					
USGS Quad Name OLSEN RESERVOIR UTAH		Datum Nad27 Nad83 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Nad83 (1994)</span> WGS84 Local							State UTAH County EMERY																					
Latitude							Longitude																							
N	3	9	-	2	6	-	1	6	.	2	0	1	4	5	W	1	1	0	-	4	2	-	2	8	.	1	7	5	6	3
Northing							Easting																							
6	9	6	4	9	6	8	.	4	0						1	8	6	4	1	4	7	.	1	2						
Units Survey Foot <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">International Foot</span> Meter				Coordinate Type <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">State Plane</span> UTM				Zone Utah North <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Utah Central</span> Utah South				Vertical Datum NGVD29 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">NAVD88</span>																		
Ellipsoid Height M 5481.181 FT				Geoid Height M 5538.90 FT																										
Base Receiver																														
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 4.157 Feet		M																			
Session End		1 <sup>st</sup>	M	2 <sup>nd</sup>		M	3 <sup>rd</sup>	M	Ave		M																			
Rover Receiver																														
Type TRIMBLE				Model 5800				Serial Number 4253117118																						
Approximate Distance From Base Station				Miles		Antenna Type 5800 INTERNAL				Antenna Height 6.6 FT																				
Station Observation																														
Observation Type <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">RTK</span> FAST STATIC STATIC OTHER																														
First Observation																														
Station Name (M1)		3	0	0	3	0	0	Description SE corner Sec. 20																						
Occupation time				PDOP Best				RMS Best																						
Number of Measurements 60				PDOP Worst 1.3				RMS Worst 14.7																						
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																			
Monument and Markings																														
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 1611300300