

## PLSS GPS Observation Sheet

Project Name <b>SL T16S R10E</b> (Meridian Township Range)		Township T 1 6		½ (2)	N S	Range 1 0		½ (2)	E W	Section		Meridian (SL) US																				
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING						Date 11/18/05																								
Contacts Phone (435) 381-2523																																
Control Station																																
Name ELM GPS 12		Type COR HARN TRI Other EMERY COUNTY						Accuracy Order																								
USGS Quad Name OLSEN RESERVOIR UTAH		Datum Nad27 Nad83 Nad83 (1994) WGS84 Local						State UTAH County EMERY																								
Latitude							Longitude																									
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	
Northing							Easting																									
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																						
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		4.761 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		(RTK)		FAST STATIC		STATIC		OTHER																								
First Observation																																
Station Name (M1)		5		6		0		5		0		0		Description E 1/16 corner Sec. 11 / Sec. 14																		
Occupation time				PDOP Best				RMS Best																								
Number of Measurements 60				PDOP Worst 2.8				RMS Worst 26.3																								
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 1610560500