

## PLSS GPS Observation Sheet

Project Name <b>SL T16S R10E</b> (Meridian Township Range)		Township T 1 6		1/2 (2)	N S	Range 1 0		1/2 (2)	E W	Section			Meridian (SL) US																			
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING							Date 11/22/05																							
Contacts Phone (435) 381-2523																																
Control Station																																
Name ELM GPS 12		Type COR HARN TRI <u>Other</u> EMERY COUNTY							Accuracy Order																							
USGS Quad Name OLSEN RESERVOIR UTAH		Datum Nad27 Nad83 <u>Nad83 (1994)</u> 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		<u>International Foot</u>		Meter			Coordinate Type		<u>State Plane</u>		UTM																			
Zone		Utah North		<u>Utah Central</u>		Utah South			Vertical Datum		NGVD29		<u>NAVD88</u>																			
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 4.685 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 <u>RTK</u> FAST STATIC STATIC OTHER																																
First Observation																																
Station Name (M1)		7		0		0		4		4		0			Description E 1/4 corner Sec. 13																	
Occupation time				PDOP Best				RMS Best																								
Number of Measurements 60				PDOP Worst 1.5				RMS Worst 15.4																								
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 2 1/2 / 3 1/4 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 1610700440