

## PLSS GPS Observation Sheet

Project Name <b>SL T16S R10E</b> <small>(Meridian Township Range)</small>		Township T 1 6		1/2 (2)	N S	Range 1 0		1/2 (2)	E W	Section		Meridian <b>(SL)</b> US																				
Contacts Name Lee M. Swasey		Source Agency <b>JOHANSEN &amp; TUTTLE ENGINEERING</b>						Date 11/17/05																								
Contacts Phone (435) 381-2523																																
Control Station																																
Name <b>ELM GPS 12</b>		Type COR HARN TRI <b>(Other) EMERY COUNTY</b>						Accuracy Order																								
USGS Quad Name <b>OLSEN RESERVOIR UTAH</b>		Datum Nad27 Nad83 <b>(Nad83 1994)</b> 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		<b>(International Foot)</b>		Meter		Coordinate Type		<b>(State Plane)</b>		UTM																				
Zone		Utah North		<b>(Utah Central)</b>		Utah South		Vertical Datum		NGVD29		<b>(NAVD88)</b>																				
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 4.547 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 <b>(RTK)</b> FAST STATIC STATIC OTHER																																
First Observation																																
Station Name (M1)		4		0	0	6	2	0	Description S 1/16 corner Sec. 4 - Sec. 3																							
Occupation time		PDOP Best				RMS Best																										
Number of Measurements		60		PDOP Worst 3.2				RMS Worst 22.0																								
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 1610400620