

## 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 11/17/05																								
Contacts Phone (435) 381-2523		<b>Control Station</b>																														
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																								
<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 <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																						
<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		4.547 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 <u>RTK</u> FAST STATIC STATIC OTHER																																
First Observation																																
Station Name (M1)		3 4 0 6 0 0		Description N 1/4 corner Sec. 9																												
Occupation time				PDOP Best				RMS Best																								
Number of Measurements 60				PDOP Worst 1.0				RMS Worst 14.8																								
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																				
<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 1610340600