

## PLSS GPS Observation Sheet

Project Name <b>SL T16S R10E</b> (Meridian Township Range)		Township		½ (2)	N S	Range		½ (2)	E W	Section		Meridian																		
		T	1	6		S	1	0		E			(SL)	US																
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING							Date 12/01/05																					
Contacts Phone (435) 381-2523																														
Control Station																														
Name CP - 1		Type COR HARN TRI <u>Other</u> Local Survey							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	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 <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 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 4.206 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)		6	0	0	7	0	0	C	C	Description NW corner Sec. 1																				
Occupation time				PDOP Best				RMS Best																						
Number of Measurements 60				PDOP Worst 3.5				RMS Worst 9.6																						
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 1610600700 CC