

PLSS GPS Observation Sheet

Project Name SL T16S R10E (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 12/06/05																			
Contacts Phone (435) 381-2523																															
Control Station																															
Name CP-WEST				Type COR HARN TRI <u>Other</u> LOCAL SURVEY								Accuracy Order																			
USGS Quad Name ELMO UTAH				Datum Nad27 Nad83 <u>Nad83 (1994)</u> WGS84 Local								State UTAH County EMERY																			
Latitude								Longitude																							
N	3	9	-	2	8	-	0	8	.	2	2	8	1	8	W	1	1	0	-	4	7	-	1	5	.	1	3	2	7	7	
Northing								Easting																							
6	9	7	6	1	1	2	.	8	0							1	8	4	1	5	4	5	.	4	0						
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 st	M	2 nd		M	3 rd	M	Ave 4.482 Feet M																						
Session End		1 st	M	2 nd		M	3 rd	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	6	4	0	Description E 1/4 corner Sec. 1																							
Occupation time				PDOP Best				RMS Best																							
Number of Measurements 60				PDOP Worst 1.6				RMS Worst 11.5																							
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 2005 ECS				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 1610700640