

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)				5 4 0 7 0 0				Description N 1/4 corner Sec. 2																						
Occupation time				PDOP Best				RMS Best																						
Number of Measurements 60				PDOP Worst 1.2				RMS Worst 18.1																						
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 1610540700