

PLSS GPS Observation Sheet

Project Name SL T16S R10E (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 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)				6 0 0 6 4 0				Description								W 1/4 corner Sec. 1															
Occupation time				PDOP Best				RMS Best																							
Number of Measurements				60				PDOP Worst				1.8				RMS Worst				16.0											
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 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 1610600640