

PLSS GPS Observation Sheet

Project Name SL T21S R15E (Meridian Township Range)		Township		½ (2)	N S	Range		½ (2)	E W	Section		Meridian																											
		2	1		S	1	5		E			(SL)	US																										
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING							Date 08/12/09																														
Contacts Phone (435) 381-2523																																							
Control Station																																							
Name CP-5		COR			HARN			TRI			Type <input checked="" type="radio"/> Other EMERY COUNTY			Accuracy																									
		USGS Quad Name JESSIES TWIST, UTAH		Datum Nad27			Nad83			Nad83 (1994)			WGS84			Local		Order State UTAH County EMERY																					
Latitude							Longitude																																
N	3	8	-	5	8	-	1	4	.	3	2	1	1	1	W	1	1	0	-	1	7	-	0	0	.	2	2	9	7	0									
Northing							Easting																																
6	7	9	6	1	6	9	.	2	5							1	9	8	6	3	2	3	.	6	4														
Units				Survey Foot				<input checked="" type="radio"/> International Foot				Meter				Coordinate Type				<input checked="" type="radio"/> State Plane				UTM															
Zone				Utah North				<input checked="" type="radio"/> Utah Central				Utah South				Vertical Datum				NGVD29				<input checked="" type="radio"/> NAVD88															
Ellipsoid Height				M				4272.73				FT				Geoid Height				M				4338.39				FT											
Base Receiver																																							
Type TRIMBLE				Model 4000 SSI				Serial Number 3508A09833																															
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				4.76				FT			
Session End				1 st				M				2 nd				M				3 rd				M				Ave				M							
Rover Receiver																																							
Type TRIMBLE				Model 5800				Serial Number 4616113795																															
Approximate Distance From Base Station				2.2				Miles				Antenna Type 5800 INTERNAL				Antenna Height 6.89FT																							
Station Observation																																							
Observation Type				<input checked="" type="radio"/> RTK				FAST STATIC				STATIC				OTHER																							
First Observation																																							
Station Name (M1)				1				0				0				4				0				0				Description NW Cor. Sec. 19 CC											
Occupation time				00:01:36				PDOP Best				RMS Best																											
Number of Measurements				30				PDOP Worst				3.63				RMS Worst																							
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				<input checked="" type="radio"/> No																							
Monument and Markings																																							
Type / Size																																							
Stone				Pipe/Cap				Post				Other																											
Size				Size 2inch/3 inch				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
Record Sheet 2115100400