

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 (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				International Foot				Meter				Coordinate Type				State Plane				UTM															
Zone				Utah North				Utah Central				Utah South				Vertical Datum				NGVD29				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				1.6				Miles				Antenna Type 5800 INTERNAL				Antenna Height 6.89FT																							
Station Observation																																							
Observation Type				(RTK)				FAST STATIC				STATIC				OTHER																							
First Observation																																							
Station Name (M1)				3				0				0				5				0				0				Description NE Cor. Sec. 17											
Occupation time				00:01:00				PDOP Best				RMS Best																											
Number of Measurements				60				PDOP Worst				1.35				RMS Worst				0.002M																			
Second Observation																																							
Station Name (M2)				2				8				3				Description Check																							
Occupation time				00:00:02				PDOP Best				RMS Best																											
Number of Measurements				3				PDOP Worst				3.59				RMS Worst				0.002M																			
Inverse Distance Between M1 and M2				0.03				FT				Alternate Base Station Used				Yes				(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 2115300500