

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-4		COR			HARN			TRI			Type <input checked="" type="radio"/> Other EMERY COUNTY			Accuracy																					
		USGS Quad Name GREEN RIVER, UTAH		Datum Nad27			Nad83			Nad83 (1994)			WGS84			Local		Order		State UTAH															
																	County EMERY																		
Latitude							Longitude																												
N	3	8	-	5	9	-	2	4	.	6	4	2	8	8	W	1	1	0	-	1	4	-	3	8	.	8	0	8	9	9					
Northing							Easting																												
6	8	0	3	4	3	7	.	6	5						1	9	9	7	3	9	2	.	0	9											
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				4197.18				FT				Geoid Height				M				4263.10				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				4.93 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				0.8				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)				5				0				0				4				0				0				Description NE Cor. Sec. 22							
Occupation time				00:00:59				PDOP Best				RMS Best																							
Number of Measurements				60				PDOP Worst 2.39				RMS Worst 0.002M																							
Second Observation																																			
Station Name (M2)				2				4				7				Description Check																			
Occupation time				00:00:02				PDOP Best				RMS Best																							
Number of Measurements				3				PDOP Worst 1.66				RMS Worst 0.002M																							
Inverse Distance Between M1 and M2				0.05				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 2115500400