

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-6		COR			HARN			TRI			Type <input checked="" type="radio"/> Other			Accuracy																					
											EMERY COUNTY			Order																					
USGS Quad Name GREEN RIVER, UTAH		Nad27			Nad83			Datum <input checked="" type="radio"/> Nad83 (1994)			WGS84			Local		State UTAH																			
																County EMERY																			
Latitude							Longitude																												
N	3	8	-	5	7	-	4	8	.	8	6	8	0	2	W	1	1	0	-	1	3	-	5	3	.	9	3	5	4	8					
Northing							Easting																												
6	7	9	3	7	9	8	.	7	0							2	0	0	1	0	7	2	.	2	6										
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				4175.40				FT				Geoid Height				M				4241.61				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				1.9 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)		6		0		0		1		0		0		Description SE Cor. Sec. 35																					
Occupation time				00:01:07				PDOP Best				RMS Best																							
Number of Measurements				60				PDOP Worst 2.53				RMS Worst 0.002M																							
Second Observation																																			
Station Name (M2)		3		1		7								Description Check																					
Occupation time				00:00:02				PDOP Best				RMS Best																							
Number of Measurements				3				PDOP Worst 3.60				RMS Worst 0.001M																							
Inverse Distance Between M1 and M2				0.03				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 2115600100