

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		EMERY COUNTY				Accuracy																
		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 0.2 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)		6	0	0	3	0	0	Description NE Cor. Sec. 26																						
Occupation time		00:00:30		PDOP Best				RMS Best																						
Number of Measurements		30		PDOP Worst 2.16				RMS Worst 0.002M																						
Second Observation																														
Station Name (M2)		3	5	2	Description Check																									
Occupation time		00:00:02		PDOP Best				RMS Best																						
Number of Measurements		3		PDOP Worst 3.59				RMS Worst 0.004M																						
Inverse Distance Between M1 and M2				0.04		FT		Alternate Base Station Used				Yes		<input checked="" type="radio"/> No																
Monument and Markings																														
Type / Size																														
Stone				Pipe/Cap				Post				Other																		
Size				Size 5/8inch/1.5 inch				Size				Size																		
Material				Material steel/aluminum				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 2115600300