

PLSS GPS Observation Sheet

Project Name SL T21S R15E (Meridian Township Range)		Township 2 1		1/2 (2) S	N S	Range 1 5		1/2 (2) E	E W	Section		Meridian 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 Other EMERY COUNTY		Accuracy																	
		USGS Quad Name GREEN RIVER, UTAH		Datum Nad83 (1994)			WGS84		Local		State UTAH		Order																	
		Nad27		Nad83						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		International Foot		Meter			Coordinate Type			State Plane		UTM															
Zone		Utah North		Utah Central		Utah South		Vertical Datum			NGVD29		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				1.3 Miles		Antenna Type 5800 INTERNAL				Antenna Height 6.89FT																				
Station Observation																														
Observation Type		RTK		FAST STATIC			STATIC			OTHER																				
First Observation																														
Station Name (M1)		4		0		0		4		0		0		Description NE Cor. Sec. 21																
Occupation time				00:02:05				PDOP Best				RMS Best																		
Number of Measurements				60				PDOP Worst				1.29																		
RMS Worst				0.002M																										
Second Observation																														
Station Name (M2)		2		5		2		Description			Check																			
Occupation time				00:00:02				PDOP Best				RMS Best																		
Number of Measurements				3				PDOP Worst				1.83																		
RMS Worst				0.004M																										
Inverse Distance Between M1 and M2				0.02 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 2115400400