

PLSS GPS Observation Sheet

Project Name SL T17S R10E <small>(Meridian Township Range)</small>		Township		½ (2)	N S	Range		½ (2)	E W	Section			Meridian																		
		T	1	7		S	1	0		E			(SL)	US																	
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING							Date 11/15/05																						
Contacts Phone (435) 381-2523																															
Control Station																															
Name CLV GPS 11		Type COR HARN TRI <u>Other</u> EMERY COUNTY							Accuracy Order																						
USGS Quad Name CLEVELAND UTAH		Datum Nad27 Nad83 <u>Nad83 (1994)</u> WGS84 Local							State UTAH County EMERY																						
Latitude							Longitude																								
N	3	9	-	2	1	-	3	7	.	1	7	4	2	6	1	W	1	1	0	-	4	9	-	2	8	.	6	7	6	1	8
Northing							Easting																								
6	9	3	6	4	6	8	.	5	7								1	8	3	1	3	7	2	.	4	6					
Units				Survey Foot		<u>International Foot</u>		Meter		Coordinate Type				<u>State Plane</u>		UTM															
Zone		Utah North		<u>Utah Central</u>		Utah South		Vertical Datum				NGVD29		<u>NAVD88</u>																	
Ellipsoid Height		1735.93 M		FT		Geoid Height				M		5752.63 FT																			
Base Receiver																															
Type TRIMBLE				Model 4000 SSI				Serial Number																							
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 4.587 Feet M																	
Session End		1 st		M		2 nd		M		3 rd		M		Ave M																	
Rover Receiver																															
Type TRIMBLE				Model 5800				Serial Number 4253117118																							
Approximate Distance From Base Station				Miles		Antenna Type 5800 INTERNAL				Antenna Height 6.6 FT																					
Station Observation																															
Observation Type <u>RTK</u> FAST STATIC STATIC OTHER																															
First Observation																															
Station Name (M1)		5		0		0		4		0		0		Description SE corner Sec. 15																	
Occupation time				PDOP Best				RMS Best																							
Number of Measurements 60				PDOP Worst 1.5				RMS Worst 28.9																							
Second Observation																															
Station Name (M2)		Description																													
Occupation time				PDOP Best				RMS Best																							
Number of Measurements				PDOP Worst				RMS Worst																							
Inverse Distance Between M1 and M2							FT		Alternate Base Station Used			Yes		No																	
Monument and Markings																															
Type / Size																															
Stone			Pipe/Cap				Post				Other																				
Size			Size 2½ / 3½ 1969 BLM				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 Monument Record Sheet 1710500400