

PLSS GPS Observation Sheet

Project Name SL T16S R10E (Meridian Township Range)		Township		½ (2)	N S	Range		½ (2)	E W	Section			Meridian																	
		T	1	6		S	1	0		E			(SL)	US																
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING							Date 12/06/05																					
Contacts Phone (435) 381-2523																														
Control Station																														
Name CP-WEST		Type COR HARN TRI <u>Other</u> LOCAL SURVEY							Accuracy Order																					
USGS Quad Name ELMO UTAH		Datum Nad27 Nad83 <u>Nad83 (1994)</u> WGS84 Local							State UTAH County EMERY																					
Latitude							Longitude																							
N	3	9	-	2	8	-	0	8	.	2	2	8	1	8	W	1	1	0	-	4	7	-	1	5	.	1	3	2	7	7
Northing							Easting																							
6	9	7	6	1	1	2	.	8	0						1	8	4	1	5	4	5	.	4	0						
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		1711.15 M					FT			Geoid Height				M		5671.75 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 4.482 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)		7		0		0		6		0		0		Description SE corner Sec. 1																
Occupation time				PDOP Best					RMS Best																					
Number of Measurements 60				PDOP Worst 1.3					RMS Worst 17.8																					
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 / 3¼ 2005 ECS					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 1610700600