

PLSS GPS Observation Sheet

Project Name SL T16S R11E (Meridian Township Range)		Township T 1 6		½ (2)	N S	Range 1 1		½ (2)	E W	Section			Meridian (SL) US																			
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING							Date 12/05/05																							
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																							
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)		1	4	0	7	0	0	Description N 1/4 corner Sec. 6																								
Occupation time				PDOP Best				RMS Best																								
Number of Measurements				60				PDOP Worst				1.6			RMS Worst				22.8													
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 1611140700