

## PLSS GPS Observation Sheet

Project Name <b>SL T16S R10E</b> (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																															
<b>Control Station</b>																															
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														
<b>Base Receiver</b>																															
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 <sup>st</sup>		M		2 <sup>nd</sup>		M		3 <sup>rd</sup>		M		Ave 4.482 Feet M															
Session End				1 <sup>st</sup>		M		2 <sup>nd</sup>		M		3 <sup>rd</sup>		M		Ave M															
<b>Rover Receiver</b>																															
Type TRIMBLE				Model 5800				Serial Number 4253117118																							
Approximate Distance From Base Station				Miles		Antenna Type 5800 INTERNAL				Antenna Height 6.6 FT																					
<b>Station Observation</b>																															
Observation Type				<u>RTK</u>			FAST STATIC			STATIC				OTHER																	
First Observation																															
Station Name (M1)				6	4	0	6	0	0	Description N 1/4 corner Sec. 12																					
Occupation time				PDOP Best				RMS Best																							
Number of Measurements 60				PDOP Worst 5.0				RMS Worst 14.4																							
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																		
<b>Monument and Markings</b>																															
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 1610640600