

## PLSS GPS Observation Sheet

Project Name <b>SL T15S R10E</b> (Meridian Township Range)		Township T 1 5		1/2 (2)	N S	Range 1 0		1/2 (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						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 <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												
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)			3	4	0	1	0	0		Description						S 1/4 corner Sec. 33														
Occupation time				PDOP Best						RMS Best																				
Number of Measurements				60						PDOP Worst					1.1					RMS Worst					15.8					
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 2 1/2 / 3 1/4 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 1510340100