

PLSS GPS Observation Sheet

Project Name SL T16S R10E (Meridian Township Range)		Township T 1 6		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 11/22/05																									
Contacts Phone (435) 381-2523																																	
Control Station																																	
Name ELM GPS 12		Type COR HARN TRI <u>Other</u> EMERY COUNTY						Accuracy Order																									
USGS Quad Name OLSEN RESERVOIR UTAH		Datum Nad27 Nad83 <u>Nad83 (1994)</u> WGS84 Local						State UTAH County EMERY																									
Latitude							Longitude																										
N	3	9	-	2	3	-	2	5	.	4	2	8	1	2	7	W	1	1	0	-	4	5	-	0	1	.	5	8	6	1	0		
Northing							Easting																										
6	9	4	7	5	8	7	.	6	3							1	8	5	2	2	5	7	.	0	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		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		4.685 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		5		0		0		Description NE corner Sec. 13																			
Occupation time				PDOP Best				RMS Best																									
Number of Measurements				60				PDOP Worst				1.8		RMS Worst				20.9															
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 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 1610700500