

PLSS GPS Observation Sheet

Project Name SL T16S R11E (Meridian Township Range)		Township T 1 6		1/2 (2)	N S	Range 1 1		1/2 (2)	E W	Section			Meridian (SL) US																		
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING							Date 11/30/05																						
Contacts Phone (435) 381-2523																															
Control Station																															
Name CP - 1		Type COR HARN TRI <input checked="" type="radio"/> Other Local Survey							Accuracy Order																						
USGS Quad Name OLSEN RESERVOIR UTAH		Datum Nad27 Nad83 <input checked="" type="radio"/> Nad83 (1994) WGS84 Local							State UTAH County EMERY																						
Latitude							Longitude																								
N	3	9	-	2	6	-	1	6	.	2	0	1	4	5	W	1	1	0	-	4	2	-	2	8	.	1	7	5	6	3	
Northing							Easting																								
6	9	6	4	9	6	8	.	4	0						1	8	6	4	1	4	7	.	1	2							
Units Survey Foot <input type="radio"/> International Foot <input checked="" type="radio"/> Meter		Coordinate Type <input type="radio"/> State Plane <input checked="" type="radio"/> UTM																													
Zone Utah North <input type="radio"/> Utah Central <input checked="" type="radio"/> Utah South		Vertical Datum NGVD29 <input type="radio"/> NAVD88 <input checked="" type="radio"/>																													
Ellipsoid Height M 5481.181 FT		Geoid Height M 5538.90 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 4.157 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 <input checked="" type="radio"/> RTK <input type="radio"/> FAST STATIC <input type="radio"/> STATIC <input type="radio"/> OTHER																															
First Observation																															
Station Name (M1)		2 0 0 6 0 0		Description SW corner Sec. 5																											
Occupation time		PDOP Best							RMS Best																						
Number of Measurements 60		PDOP Worst 2.7							RMS Worst 11.1																						
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 1611200600