

PLSS GPS Observation Sheet

Project Name SL T16S R11E <small>(Meridian Township Range)</small>		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 11/28/05																							
Contacts Phone (435) 381-2523																															
Control Station																															
Name ELM GPS 12		Type COR HARN TRI (Other) EMERY COUNTY						Accuracy Order																							
USGS Quad Name OLSEN RESERVOIR UTAH		Datum Nad27 Nad83 (Nad83 1994) 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		International Foot		Meter		Coordinate Type		State Plane		UTM																			
Zone		Utah North		Utah Central		Utah South		Vertical Datum		NGVD29		NAVD88																			
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 4.678 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 (RTK) FAST STATIC STATIC OTHER																															
First Observation																															
Station Name (M1)		2 0 0 5 0 0		Description NW corner Sec. 17																											
Occupation time				PDOP Best				RMS Best																							
Number of Measurements 60				PDOP Worst 4.8				RMS Worst 8.7																							
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 1611200500