

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 <u>Other</u> Local Survey							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	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 <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 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 <u>RTK</u> FAST STATIC STATIC OTHER																															
First Observation																															
Station Name (M1)		2 0 0 6 4 0		Description W 1/4 corner Sec. 5																											
Occupation time		PDOP Best							RMS Best																						
Number of Measurements 60		PDOP Worst 2.9							RMS Worst 13.7																						
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 1611200640