

PLSS GPS Observation Sheet

Project Name SL T15S R11E (Meridian Township Range)		Township T 1 5		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 12/01/05																						
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 4.206 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	1	0	0		Description SE corner Sec. 31																					
Occupation time		PDOP Best							RMS Best																						
Number of Measurements 60		PDOP Worst 2.1							RMS Worst 10.9																						
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 1511200100