

PLSS GPS Observation Sheet

Project Name SL T15S R10E (Meridian Township Range)		Township T 1 5		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 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)		6 4 0 1 0 0			Description S 1/4 corner Sec. 36																										
Occupation time		PDOP Best						RMS Best																							
Number of Measurements 60		PDOP Worst 2.3						RMS Worst 8.2																							
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 1510640100