

PLSS GPS Observation Sheet

Project Name SL T16S R10E (Meridian Township Range)				Township		½ (2)	N S	Range		½ (2)	E W	Section			Meridian																	
				T	1	6		S	1	0		E			(SL)	US																
Contacts Name Lee M. Swasey				Source Agency							Date																					
Contacts Phone (435) 381-2523				JOHANSEN & TUTTLE ENGINEERING							11/16/05																					
Control Station																																
Name ELM GPS 12				Type							Accuracy																					
				COR	HARN	TRI	(Other) EMERY COUNTY				Order																					
USGS Quad Name				Datum							State																					
OLSEN RESERVOIR UTAH				Nad27	Nad83	(Nad83 1994)		WGS84	Local		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					4.659 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)				6	0	0	3	6	0	Description							N 1/16 corner Sec. 23 - Sec. 24															
Occupation time				PDOP Best				RMS Best																								
Number of Measurements				60				PDOP Worst				1.3		RMS Worst					14.6													
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 2½ / 3¼				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 1610600360