

## PLSS GPS Observation Sheet

Project Name <b>SL T16S R10E</b> (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						11/17/05																					
<b>Control Station</b>																															
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																	
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															
<b>Base Receiver</b>																															
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 <sup>st</sup>		M		2 <sup>nd</sup>		M		3 <sup>rd</sup>		M		Ave				4.547 Feet M											
Session End				1 <sup>st</sup>		M		2 <sup>nd</sup>		M		3 <sup>rd</sup>		M		Ave				M											
<b>Rover Receiver</b>																															
Type				TRIMBLE				Model				5800				Serial Number				4253117118											
Approximate Distance From Base Station				Miles		Antenna Type				5800 INTERNAL				Antenna Height				6.6 FT													
<b>Station Observation</b>																															
Observation Type				(RTK)		FAST STATIC		STATIC		OTHER																					
First Observation																															
Station Name (M1)				3	0	0	6	2	0	Description						S 1/16 corner Sec. 5 - Sec. 4															
Occupation time				PDOP Best				RMS Best																							
Number of Measurements				60				PDOP Worst				2.3				RMS Worst				9.3											
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																			
<b>Monument and Markings</b>																															
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 1610300620