

PLSS GPS Observation Sheet

Project Name SL T15S R10E (Meridian Township Range)				Township		½ (2)	N S	Range		½ (2)	E W	Section			Meridian															
				T	1	5	S	1	0	E				(SL)	US															
Contacts Name Lee M. Swasey				Source Agency						Date																				
Contacts Phone (435) 381-2523				JOHANSEN & TUTTLE ENGINEERING						12/01/05																				
Control Station																														
Name CP - 1				Type						Accuracy																				
				COR	HARN	TRI	(Other) Local Survey			Order																				
USGS Quad Name				Datum						State UTAH																				
OLSEN RESERVOIR UTAH				Nad27	Nad83	(Nad83 1994)		WGS84	Local	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		(International Foot)		Meter		Coordinate Type				(State Plane) UTM																
Zone				Utah North		(Utah Central)		Utah South		Vertical Datum				NGVD29		(NAVD88)														
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				(RTK)		FAST STATIC		STATIC		OTHER																				
First Observation																														
Station Name (M1)		6		0		0		1		0		0		Description SW corner Sec. 36																
Occupation time				PDOP Best				RMS Best																						
Number of Measurements				60				PDOP Worst				3.5				RMS Worst				5.0										
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 1510600100