

PLSS GPS Observation Sheet

Project Name SL T21S R15E (Meridian Township Range)		Township 2 1		1/2 (2) N S	Range 1 5		1/2 (2) E W	Section		Meridian (SL) US					
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING					Date 08/12/09								
Contacts Phone (435) 381-2523															
Control Station															
Name CP-6		COR			HARN			TRI			Type (Other) EMERY COUNTY			Accuracy	
		USGS Quad Name GREEN RIVER, UTAH		Datum Nad83 (1994)			WGS84		Local		State UTAH			Order	
		Nad27		Nad83						County EMERY					
Latitude						Longitude									
N 3 8 - 5 7 - 4 8 . 8 6 8 0 2						W 1 1 0 - 1 3 - 5 3 . 9 3 5 4 8									
Northing						Easting									
6 7 9 3 7 9 8 . 7 0						2 0 0 1 0 7 2 . 2 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		M		4175.40		FT		Geoid Height		M 4241.61 FT					
Base Receiver															
Type TRIMBLE			Model 4000 SSI			Serial Number 3508A09833									
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	4.93 FT	
Session End		1 st		M		2 nd		M		3 rd		M	Ave	M	
Rover Receiver															
Type TRIMBLE			Model 5800			Serial Number 4616113795									
Approximate Distance From Base Station 2.9 Miles			Antenna Type 5800 INTERNAL			Antenna Height 6.89FT									
Station Observation															
Observation Type		(RTK)		FAST STATIC		STATIC		OTHER							
First Observation															
Station Name (M1)		3 0 0 2 0 0		Description NE Cor. Sec. 32											
Occupation time		00:00:59		PDOP Best				RMS Best							
Number of Measurements		60		PDOP Worst 1.98				RMS Worst 0.002M							
Second Observation															
Station Name (M2)		3 3 7		Description Check											
Occupation time		00:00:02		PDOP Best				RMS Best							
Number of Measurements		3		PDOP Worst 2.35				RMS Worst 0.002M							
Inverse Distance Between M1 and M2			0.02		FT		Alternate Base Station Used			Yes		(No)			
Monument and Markings															
Type / Size															
Stone		Pipe/Cap			Post			Other							
Size		Size 2inch/3 inch			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
Record Sheet 2115300200