PLSS GPS Observation Sheet

Project Name (Meridian Township Range)	Township		½ (2)	N S	Range		½ (2)	E W	Section			Meridian	
SL T21S R15E		2	1		S	1	5		E				SL (circled) / US

Contacts Name Lee M. Swasey	Source Agency	Date
Contacts Phone (435) 381-2523	JOHANSEN & TUTTLE ENGINEERING	08/12/09

Control Station

Name CP-6	Type: COR	HARN	TRI	Other (circled) EMERY COUNTY		Accuracy Order
USGS Quad Name: GREEN RIVER, UTAH	Datum: Nad27	Nad83	Nad83 (1994) (circled)	WGS84	Local	State UTAH; County EMERY

Latitude	Longitude
N 38-57-48.86802	W 110-13-53.9354 8

Northing	Easting
6793798.70	2001072.26

Units	Survey Foot	International Foot (circled)	Meter	Coordinate Type	State Plane (circled) / UTM
Zone	Utah North	Utah Central (circled)	Utah South	Vertical Datum	NGVD29 / NAVD88 (circled)
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	1st M	2nd M	3rd M	Ave 4.93 FT
Session End	1st M	2nd M	3rd M	Ave M

Rover Receiver

Type TRIMBLE	Model 5800	Serial Number 4616113795
Approximate Distance From Base Station 2.3 Miles	Antenna Type 5800 INTERNAL	Antenna Height 6.89FT

Station Observation

Observation Type: RTK (circled) FAST STATIC STATIC OTHER

First Observation

Station Name (M1) 7 0 0 1 0 0	Description SE Cor. Sec. 36	
Occupation time 00:00:03	PDOP Best	RMS Best
Number of Measurements 3	PDOP Worst 2.61	RMS Worst 0.003M

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 (circled)	

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 2115700100