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 SALERATUS	Type: COR	HARN	TRI	Other (circled) EMERY COUNTY	Accuracy Order
USGS Quad Name DESERT, UTAH	Datum: Nad27	Nad83	Nad83 (1994) (circled)	WGS84	Local	State UTAH; County EMERY

Latitude	Longitude
N 39-01-58.17882	W 110-18-20.76624
Northing	**Easting**
6818730.03	1979661.05

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 4359.69 FT

Geoid Height M 4424.54 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 4.41 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 2.8 Miles	Antenna Type 5800 INTERNAL	Antenna Height 6.89FT

Station Observation

Observation Type RTK (circled) FAST STATIC STATIC OTHER

First Observation

Station Name (M1)	4 0 0 6 0 0	Description NE Cor. Sec. 9	
Occupation time 00:00:59		PDOP Best	RMS Best
Number of Measurements 60		PDOP Worst 1.91	RMS Worst 0.003M

Second Observation

Station Name (M2)	2 2 4	Description Check	
Occupation time 00:00:02		PDOP Best	RMS Best
Number of Measurements 3		PDOP Worst 1.90	RMS Worst 0.003M

Inverse Distance Between M1 and M2 0.01 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 2115400600