PLSS GPS Observation Sheet

Project Name	Township			½ (2)	N S	Range		½ (2)	E W	Section			Meridian	
SL T16S R11E (Meridian Township Range)	T	1	6		S	1	1		E				SL	US
Contacts Name Lee M. Swasey	**Source Agency**									**Date**				
Contacts Phone (435) 381-2523	JOHANSEN & TUTTLE ENGINEERING									12/07/05				

Control Station

Name CP-WEST

USGS Quad Name ELMO UTAH

Type COR HARN TRI (Other) LOCAL SURVEY

Datum Nad27 Nad83 (Nad83 (1994)) WGS84 Local

Accuracy Order

State UTAH

County EMERY

Latitude	Longitude
N 39 - 28 - 08 . 2281 8	W 110 - 47 - 15 . 1327 7

Northing	Easting
6976112 . 80	184154 5 . 40

Units Survey Foot (International Foot) Meter

Zone Utah North (Utah Central) Utah South

Ellipsoid Height 1711.15 **M** **FT**

Coordinate Type (State Plane) UTM

Vertical Datum NGVD29 (NAVD88)

Geoid Height **M** 5671.75 **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	1st	2nd	3rd	Ave
Session Beginning	M	M	M	4.311 Feet M
Session End	M	M	M	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) 140600 **Description** S 1/4 corner Sec. 6

Occupation time **PDOP Best** **RMS Best**

Number of Measurements 60 **PDOP Worst** 4.5 **RMS Worst** 31.2

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 2005 ECS	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 1611140600