

PLSS GPS Observation Sheet

| Project Name SL T17S R10E (Meridian Township Range) | | Township T 1 7 | | 1/2 (2) | N S | Range 1 0 | | 1/2 (2) | E W | Section | | | Meridian (SL) US | | | | | | | | | | | | | | | | | | | |
|--|---|--|---|----------------------|--------|----------------------------|--------------|--------------------------|----------------------------|-----------------------------|-------------------|---|---------------------|------------------|-----|---|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Contacts Name Lee M. Swasey | | Source Agency JOHANSEN & TUTTLE ENGINEERING | | | | | | | Date 11/15/05 | | | | | | | | | | | | | | | | | | | | | | | |
| Contacts Phone (435) 381-2523 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Control Station | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Name CLV GPS 11 | | Type COR HARN TRI (Other) EMERY COUNTY | | | | | | | Accuracy Order | | | | | | | | | | | | | | | | | | | | | | | |
| USGS Quad Name CLEVELAND UTAH | | Datum Nad27 Nad83 (Nad83 1994) WGS84 Local | | | | | | | State UTAH County EMERY | | | | | | | | | | | | | | | | | | | | | | | |
| Latitude | | | | | | | Longitude | | | | | | | | | | | | | | | | | | | | | | | | | |
| N | 3 | 9 | - | 2 | 1 | - | 3 | 7 | . | 1 | 7 | 4 | 2 | 6 | 1 | W | 1 | 1 | 0 | - | 4 | 9 | - | 2 | 8 | . | 6 | 7 | 6 | 1 | 8 | |
| Northing | | | | | | | Easting | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 9 | 3 | 6 | 4 | 6 | 8 | . | 5 | 7 | | | | | | | 1 | 8 | 3 | 1 | 3 | 7 | 2 | . | 4 | 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 | | 1735.93 M | | FT | | | Geoid Height | | M | | 5752.63 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 4.587 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) | | 4 | | 2 | | 0 | | 4 | | 0 | | Description W 1/16 corner Sec. 15 / Sec. 22 | | | | | | | | | | | | | | | | | | | | |
| Occupation time | | | | PDOP Best | | | | RMS Best | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of Measurements 60 | | | | PDOP Worst 1.9 | | | | RMS Worst 18.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 2 1/2 / 3 1/2 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 1710420400