

PLSS GPS Observation Sheet

| Project Name SL T16S R10E (Meridian Township Range) | | Township T 1 6 | | 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 11/17/05 | | | | | | | | | | | | | | | | | | | | | | | | |
| Contacts Phone (435) 381-2523 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Control Station | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Name ELM GPS 12 | | Type COR HARN TRI <u>Other</u> EMERY COUNTY | | | | | | Accuracy Order | | | | | | | | | | | | | | | | | | | | | | | | |
| USGS Quad Name OLSEN RESERVOIR UTAH | | Datum Nad27 Nad83 <u>Nad83 (1994)</u> WGS84 Local | | | | | | State UTAH County EMERY | | | | | | | | | | | | | | | | | | | | | | | | |
| Latitude | | | | | | | Longitude | | | | | | | | | | | | | | | | | | | | | | | | | |
| N | 3 | 9 | - | 2 | 3 | - | 2 | 5 | . | 4 | 2 | 8 | 1 | 2 | 7 | W | 1 | 1 | 0 | - | 4 | 5 | - | 0 | 1 | . | 5 | 8 | 6 | 1 | 0 | |
| Northing | | | | | | | Easting | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 9 | 4 | 7 | 5 | 8 | 7 | . | 6 | 3 | | | | | | | 1 | 8 | 5 | 2 | 2 | 5 | 7 | . | 0 | 6 | | | | | | | |
| Units | | Survey Foot | | <u>International Foot</u> | | Meter | | Coordinate Type | | <u>State Plane</u> | | UTM | | | | | | | | | | | | | | | | | | | | |
| Zone | | Utah North | | <u>Utah Central</u> | | Utah South | | Vertical Datum | | NGVD29 | | <u>NAVD88</u> | | | | | | | | | | | | | | | | | | | | |
| Ellipsoid Height | | 1711.15 M | | FT | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Session Beginning | | 1 st | | M | | 2 nd | | M | | 3 rd | | M | | Ave | | 4.547 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 <u>RTK</u> FAST STATIC STATIC OTHER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Observation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Station Name (M1) | | 4 | | 0 | | 0 | | 6 | | 0 | | 0 | | Description SE corner Sec. 4 | | | | | | | | | | | | | | | | | | |
| Occupation time | | | | PDOP Best | | | | RMS Best | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of Measurements 60 | | | | PDOP Worst 1.2 | | | | RMS Worst 13.7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 1/4 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 1610400600