

PLSS GPS Observation Sheet

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------|---|-----------------|-------------------|------------------------------------------------------|---|-------------|-----------------|------------------------------------|-----------------------------------|----------|--------|----------------------------|---|---|----------|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Project Name SL T16S R10E (Meridian Township Range) | | | | Township | | ½ (2) | N S | Range | | ½ (2) | E W | Section | | | Meridian | | | | | | | | | | | | | | | |
| | | | | T | 1 | 6 | | S | 1 | 0 | | E | | | (SL) | US | | | | | | | | | | | | | | |
| Contacts Name Lee M. Swasey | | | | Source Agency JOHANSEN & TUTTLE ENGINEERING | | | | | | | | Date 12/01/05 | | | | | | | | | | | | | | | | | | |
| Contacts Phone (435) 381-2523 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Control Station | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Name CP - 1 | | | | Type COR HARN TRI <u>Other</u> Local Survey | | | | | | | | 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 | 6 | - | 1 | 6 | . | 2 | 0 | 1 | 4 | 5 | W | 1 | 1 | 0 | - | 4 | 2 | - | 2 | 8 | . | 1 | 7 | 5 | 6 | 3 |
| Northing | | | | | | | | Easting | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 9 | 6 | 4 | 9 | 6 | 8 | . | 4 | 0 | | | | | | 1 | 8 | 6 | 4 | 1 | 4 | 7 | . | 1 | 2 | | | | | | |
| 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 M 5481.181 FT | | | | Geoid Height M 5538.90 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 4.206 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) | | 7 | 0 | 0 | 7 | 0 | 0 | Description NE corner Sec. 1 | | | | | | | | | | | | | | | | | | | | | | |
| Occupation time | | | | PDOP Best | | | | RMS Best | | | | | | | | | | | | | | | | | | | | | | |
| Number of Measurements 60 | | | | PDOP Worst 3.4 | | | | RMS Worst 14.2 | | | | | | | | | | | | | | | | | | | | | | |
| 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 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 1610700700