

PLSS GPS Observation Sheet

| Project Name SL T16S R11E <small>(Meridian Township Range)</small> | | Township T 1 6 | | ½ (2) | N S | Range 1 1 | | ½ (2) | E W | Section | | | Meridian SL US | | | | | | | | | | | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------|--------|----------------------------------------------------------------------------------------------------|-----------|-----------------------------|----------------------------|-----------------|----------|--------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------|-------------------|--------------|------------|--------|----------------------|---|---|---|---|---|---|---|---|---|---|--|
| Contacts Name Lee M. Swasey | | Source Agency JOHANSEN & TUTTLE ENGINEERING | | | | | | | Date 11/28/05 | | | | | | | | | | | | | | | | | | | | | | | |
| Contacts Phone (435) 381-2523 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Control Station | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Name ELM GPS 12 | | Type COR HARN TRI Other EMERY COUNTY | | | | | | | Accuracy Order | | | | | | | | | | | | | | | | | | | | | | | |
| USGS Quad Name OLSEN RESERVOIR UTAH | | Datum Nad27 Nad83 Nad83 (1994) 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 | | International Foot | | Meter | | Coordinate Type | | | | State Plane UTM | | | | | | | | | | | | | | | | | | |
| Zone | | | | Utah North | | Utah Central | | Utah South | | Vertical Datum | | | | NGVD29 | | NAVD88 | | | | | | | | | | | | | | | | |
| 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 | | | 4.678 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) | | 2 | | 0 | | 0 | | 3 | | 0 | | 0 | | Description | | | SW corner Sec. 20 | | | | | | | | | | | | | | | |
| Occupation time | | | | PDOP Best | | | | RMS Best | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of Measurements | | | | 60 | | | | PDOP Worst | | | | 1.8 | | | RMS Worst | | | 8.5 | | | | | | | | | | | | | | |
| 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 1611200300