

PLSS GPS Observation Sheet

Project Name SL T16S R11E (Meridian Township Range)		Township T 1 6		1/2 (2)	N S	Range 1 1		1/2 (2)	E W	Section		Meridian (SL) US																			
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING						Date 11/30/05																							
Contacts Phone (435) 381-2523																															
Control Station																															
Name CP - 1		Type COR HARN TRI <input checked="" type="radio"/> Other Local Survey						Accuracy Order																							
USGS Quad Name OLSEN RESERVOIR UTAH		Datum Nad27 Nad83 <input checked="" type="radio"/> Nad83 (1994) 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 <input type="radio"/> International Foot <input checked="" type="radio"/> Meter		Coordinate Type State Plane <input checked="" type="radio"/> UTM																													
Zone Utah North <input type="radio"/> Utah Central <input checked="" type="radio"/> Utah South		Vertical Datum NGVD29 <input type="radio"/> NAVD88 <input checked="" type="radio"/>																													
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"	M	2"	M	3"	M	Ave 4.157 Feet M																							
Session End		1"	M	2"	M	3"	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 <input checked="" type="radio"/> RTK <input type="radio"/> FAST STATIC <input type="radio"/> STATIC <input type="radio"/> OTHER																															
First Observation																															
Station Name (M1)		2	4	0	6	0	0		Description S 1/4 corner Sec. 5																						
Occupation time		PDOP Best				RMS Best																									
Number of Measurements 60		PDOP Worst 3.5				RMS Worst 11.2																									
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 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 1611240600

EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 11-30-05

County Reference No. 1611240600

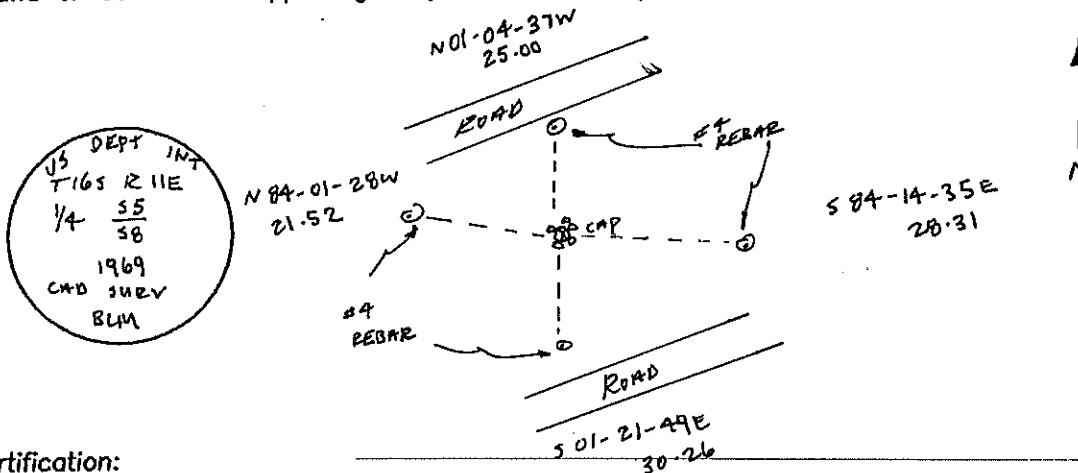
Type of Monument: Section Corner
 Bench Mark

Quarter Corner
 Other _____

Your Description and Observation of Monument Found (Be Specific):
 1969 BLM BRASS CAP 6" ABOVE GROUND LEVEL

Description of Monument, Reference Monument or Accessories Established by You to Perpetuate the Location of this Point: SET 4 #4 REBAR AS SHOWN BELOW

Sketch showing Relative Location of Monument Accessories and Two Reference Points Stating Whether Found or Set. Show Supporting and/or Contradictory Evidence where Applicable. Include North Arrow.



Certification: _____

Firm name and/or Surveyor: Johansen & Tuttle Eng.

Address: 90 S. 100 E. Castle Dale, Utah 84513 Phone: (435) 381-2523

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Location Diagram:

Section: 8
 Township: 16S
 Range: 11E

