

PLSS GPS Observation Sheet

Project Name SL T15S R11E <small>(Meridian Township Range)</small>				Township		½ (2)	N S	Range		½ (2)	E W	Section	Meridian																		
				T	1	5	S	1	1		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 <input type="checkbox"/> COR <input type="checkbox"/> HARN <input type="checkbox"/> TRI <input checked="" type="checkbox"/> Other <input type="checkbox"/> Local Survey				Accuracy																							
USGS Quad Name OLSEN RESERVOIR UTAH				Datum <input type="checkbox"/> Nad27 <input type="checkbox"/> Nad83 <input checked="" type="checkbox"/> Nad83 (1994) <input type="checkbox"/> WGS84 <input type="checkbox"/> Local				Order 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 <input type="checkbox"/> Survey Foot <input checked="" type="checkbox"/> International Foot <input type="checkbox"/> Meter				Coordinate Type <input type="checkbox"/> State Plane <input checked="" type="checkbox"/> UTM																											
Zone <input type="checkbox"/> Utah North <input checked="" type="checkbox"/> Utah Central <input type="checkbox"/> Utah South				Vertical Datum <input type="checkbox"/> NGVD29 <input checked="" type="checkbox"/> NAVD88																											
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 <input checked="" type="checkbox"/> RTK <input type="checkbox"/> FAST STATIC <input type="checkbox"/> STATIC <input type="checkbox"/> OTHER																															
First Observation																															
Station Name (M1)				3		0		0		1		0		0		Description SE corner Sec. 32															
Occupation time				PDOP Best				RMS Best																							
Number of Measurements 60				PDOP Worst 2.6				RMS Worst 9.1																							
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 1511300100

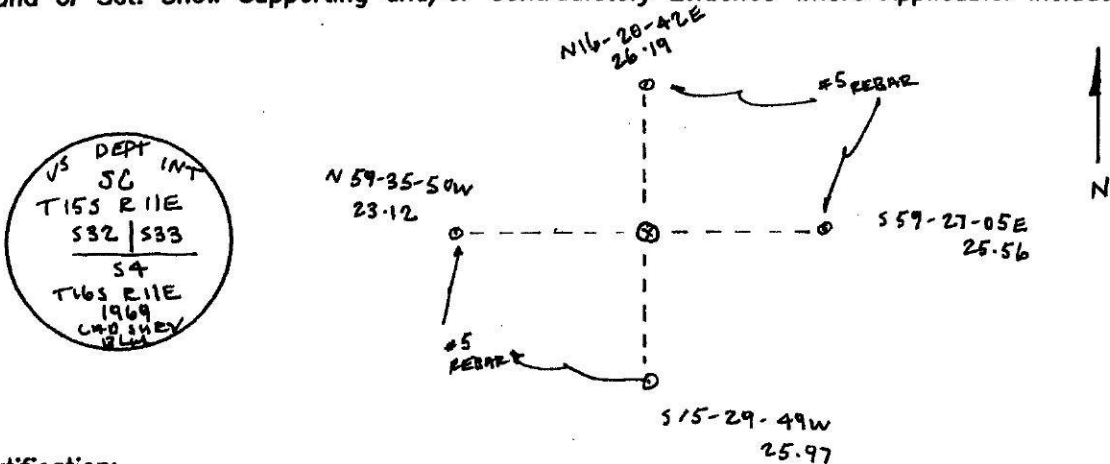
EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 12-01-05 County Reference No. 1511300100
 Type of Monument: Section Corner Quarter Corner
 Bench Mark Other _____

Your Description and Observation of Monument Found (Be Specific):
 1969 BLM BRASS CAP 8" ABOVE GROUND LEVEL WITH A POST ALONGSIDE

Description of Monument, Reference Monument or Accessories Established by You to Perpetuate the Location of this Point: SET A #5 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.

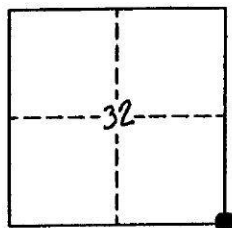


Certification:

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: 32
 Township: 15S
 Range: 11E



Craig E. Johansen
 LICENSED LAND SURVEYOR
 No. 146602
 CRAIG E. JOHANSEN
 STATE OF UTAH
 Date: 12-12-05

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Number of Measurements		60						PDOP Worst		2.1		RMS Worst				17.8														
Second Observation																														
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Number of Measurements		PDOP Worst						RMS Worst																						
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See Emery County Land Survey Monument Record Sheet 1511240100

