

PLSS GPS Observation Sheet

Project Name SL T16S R10E (Meridian Township Range)		Township T 1 6		½ (2)	N S	Range 1 0		½ (2)	E W	Section		Meridian (SL) US																			
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING						Date 12/06/05																							
Contacts Phone (435) 381-2523																															
Control Station																															
Name CP-WEST		COR		HARN		TRI		Type <input checked="" type="checkbox"/> LOCAL SURVEY			Accuracy																				
USGS Quad Name ELMO UTAH		Nad27		Nad83		Datum <input checked="" type="checkbox"/> (1994)		WGS84		Local		Order State UTAH County EMERY																			
Latitude						Longitude																									
N	3	9	-	2	8	-	0	8	.	2	2	8	1	8	W	1	1	0	-	4	7	-	1	5	.	1	3	2	7	7	
Northing						Easting																									
6	9	7	6	1	1	2	.	8	0						1	8	4	1	5	4	5	.	4	0							
Units		Survey Foot		<input checked="" type="checkbox"/> International Foot		Meter		Coordinate Type			<input checked="" type="checkbox"/> State Plane		UTM																		
Zone		Utah North		<input checked="" type="checkbox"/> Utah Central		Utah South		Vertical Datum			NGVD29		<input checked="" type="checkbox"/> 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"		M		2"		M		3"		M		Ave 4.482 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="checkbox"/> RTK		FAST STATIC		STATIC		OTHER																							
First Observation																															
Station Name (M1)		7 0 0 5 4 0		Description E 1/4 corner Sec. 12																											
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 2005 ECS			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 1610700540

EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 12-6-05

County Reference No. 1610700540

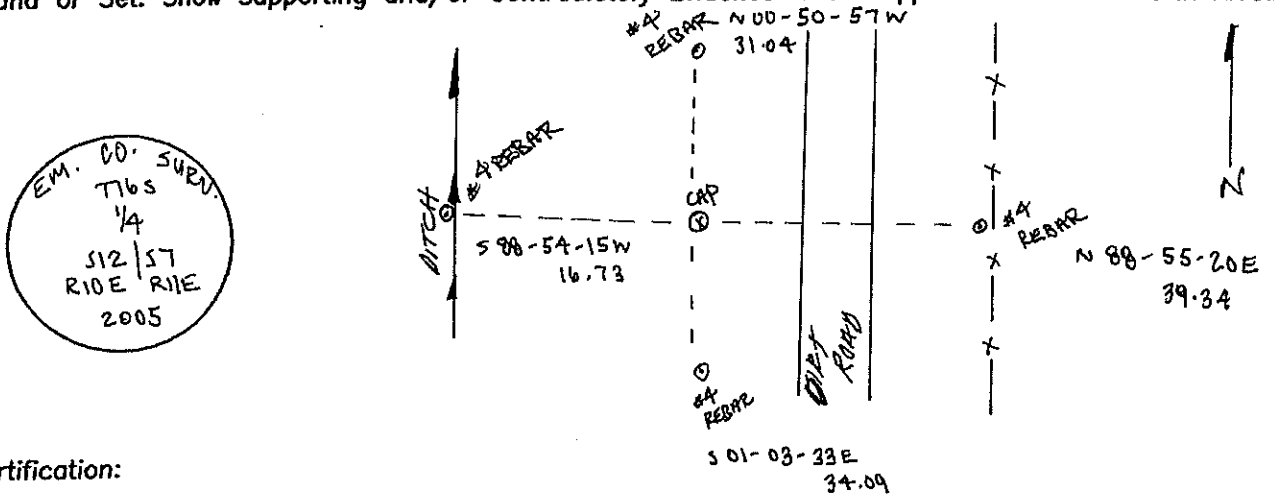
Type of Monument: _____ Section Corner
 _____ Bench Mark

Quarter Corner
 _____ Other _____

Your Description and Observation of Monument Found (Be Specific):
 NO EVIDENCE OF CORNER FOUND

Description of Monument, Reference Monument or Accessories Established by You to Perpetuate the Location of this Point: SET EMERY COUNTY SURVEYS ALUMINUM CAP 10" ABOVE GROUND LEVEL.
 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.



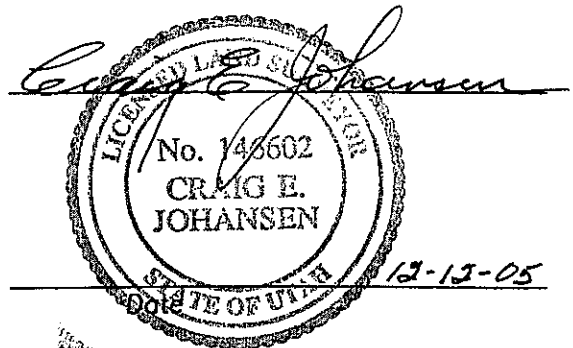
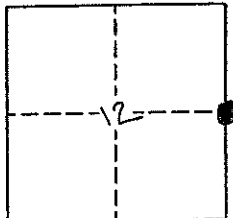
Certification:

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: 12
 Township: 16S
 Range: 10E



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Latitude									Longitude																					
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Units Survey Foot <input type="radio"/> International Foot <input checked="" type="radio"/> Meter				Coordinate Type <input type="radio"/> 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 1711.15 M FT				Geoid Height M 5671.75 FT										
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Monument and Markings																														
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Stone				Pipe/Cap				Post				Other																		
Size				Size 2 1/2 / 3/4 2005 ECS				Size				Size																		
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Sketch/Rubbing or Attach Photo of GPS Station Occupied
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See Emery County Land Survey Monument Record Sheet 1610640600

EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 12-10-05

County Reference No. 1610640600

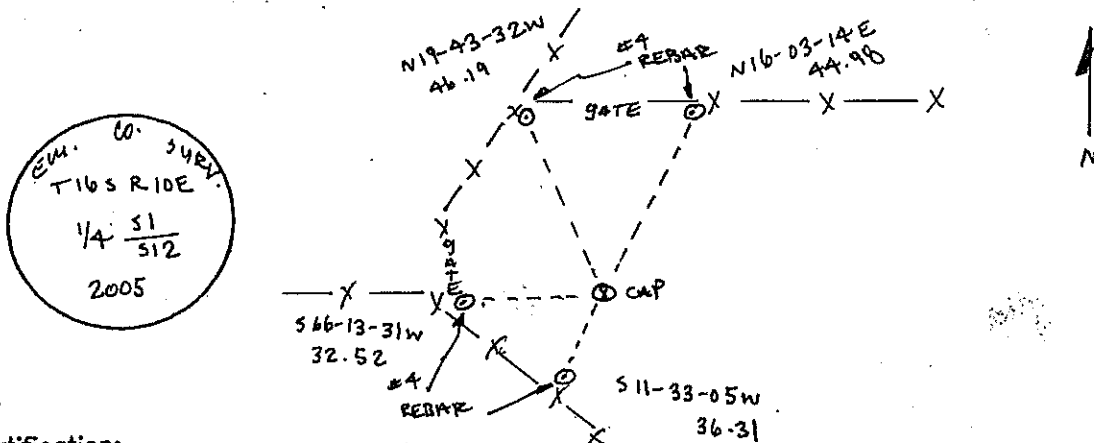
Type of Monument: _____ Section Corner
 _____ Bench Mark

Quarter Corner
 _____ Other _____

Your Description and Observation of Monument Found (Be Specific):
 MONUMENT NEVER SET

Description of Monument, Reference Monument or Accessories Established by You to Perpetuate the Location of this Point: SET ALUMINUM EMERY COUNTY SURVEYS CAP 5" ABOVE GROUND LEVEL.
 SET A #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.



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