

PLSS GPS Observation Sheet

Project Name SL T15S R10E (Meridian Township Range)		Township T 1 5		¼ (2) S	N S	Range 1 0		½ (2) E W	Section		Meridian (SL) US
Contacts Name Lee M. Swasey Contacts Phone (435) 381-2523		Source Agency JOHANSEN & TUTTLE ENGINEERING						Date 12/01/05			
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 N 3 9 - 2 6 - 1 6 . 2 0 1 4 5						Longitude W 1 1 0 - 4 2 - 2 8 . 1 7 5 6 3					
Northing 6 9 6 4 9 6 8 . 4 0						Easting 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	
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)		6 0 0 1 0 0		Description SW corner Sec. 36							
Occupation time		PDOP Best				RMS Best					
Number of Measurements 60		PDOP Worst 3.5				RMS Worst 5.0					
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 1510600100

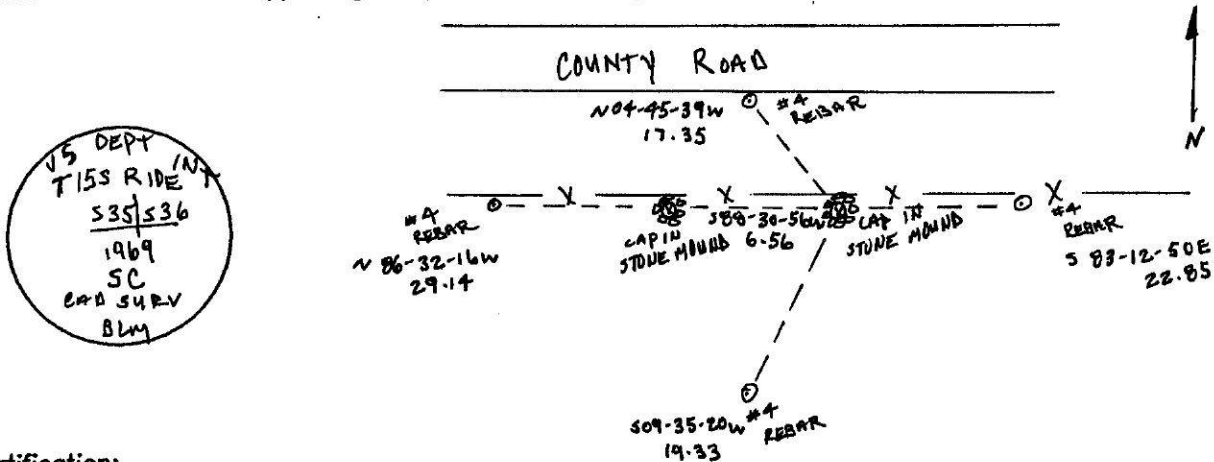
EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 11-29-05 County Reference No. 1510600100
 Type of Monument: Section Corner Quarter Corner
 Bench Mark Other _____

Your Description and Observation of Monument Found (Be Specific):
 1969 BLM BRASS CAP IN A STONE MOUND. THE CONTROLLING CORNER FOR TOWNSHIP 16 SOUTH SETS TO THE WEST AS SHOWN BELOW

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.

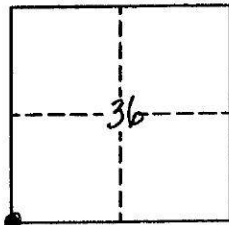


Certification:

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: 36
 Township: 15S
 Range: 10E



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

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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>																			
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See Emery County Land Survey Monument Record Sheet 1510640100

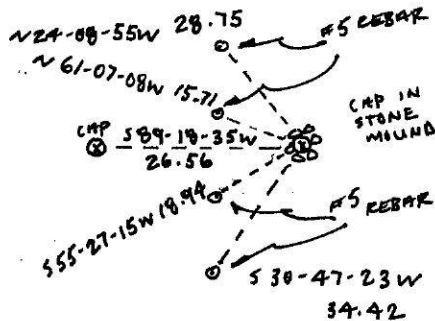
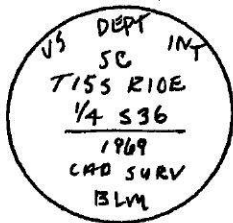
EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 12-01-05 County Reference No. 1510640100
 Type of Monument: Section Corner Quarter Corner
 Bench Mark Other _____

Your Description and Observation of Monument Found (Be Specific):
 1969 BLM BRASS CAP IN A STONE MOUND WITH THE CONTROLLING CORNER FOR TOWNSHIP 16 SOUTH SECTION 4 SETTING TO THE WEST AS SHOWN BELOW.

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



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