

UTAH LAND SURVEY MONUMENT RECORD

County EMERY

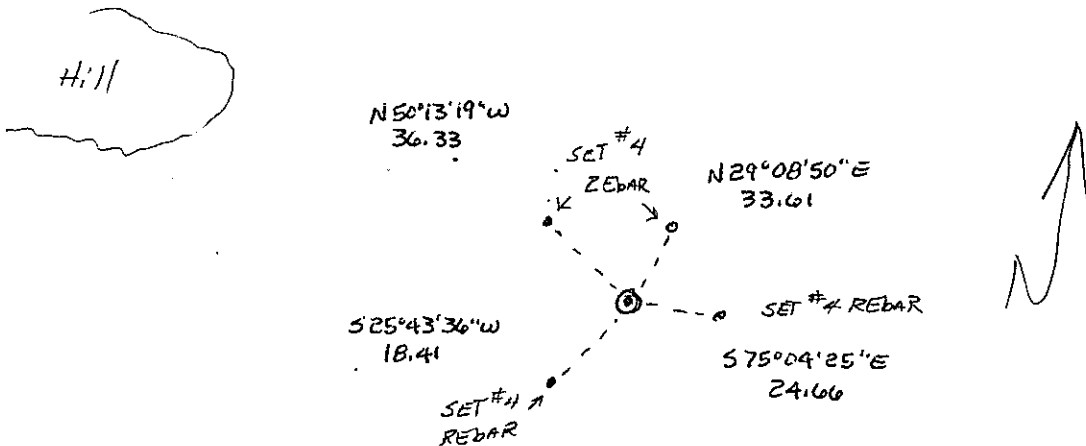
County Reference No. ¹⁶¹⁰ 1216300400

1. Date of Field Work: 12-21-00
2. Type of Monument: (Check one)
 Section Corner Quarter Corner
 Bench Mark Other

3. Your Description and Observation of Monument Found (Be Specific):
FOUND STD BLM CAP

4. Description of Monument, Reference Monument or Accessories Established by You to Perpetuate the Location of this Point:
SET #4 REBAR NE-NW-SE-1/4 E OF CAP

5. 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.

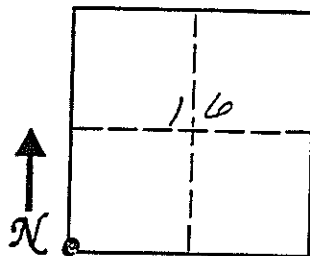
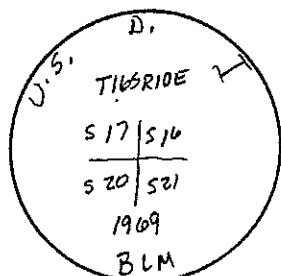


6. Certification:

Firm Name and/or Surveyor: JOHANSEN & TUTTLE ENG Phone: 381-2523
 Address: 90 S 100E CASTLE DALE UTAH

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.

7. Location Diagram:
 8. Section: 16
 9. Township: 12S
 10. Range: 10E



Signature: _____
 Surveyor's Seal (over signature) **CRAIG E. JOHANSEN**
 Date: 11-30-01

11. Monument Inscription:

12. Diagram Coordinate from Master Index for Townships: _____

Report one monument per form.
 Type or use permanent black ink.
 Fill in all items.

PLSS GPS Observation Sheet

Project Name SL T16S R10E <small>(Meridian Township Range)</small>				Township T 1 6			Range S 1 0			Section E		Meridian SL US																				
Contacts Name Lee M. Swasey				Source Agency JOHANSEN & TUTTLE ENGINEERING						Date 11/11/05																						
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				Geoid Height 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 4.718 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) 4 0 0 5 0 0				Description NE corner Sec. 16																												
Occupation time				PDOP Best				RMS Best																								
Number of Measurements 60				PDOP Worst 1.6				RMS Worst 12.8																								
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 / 3/4 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 1610400500

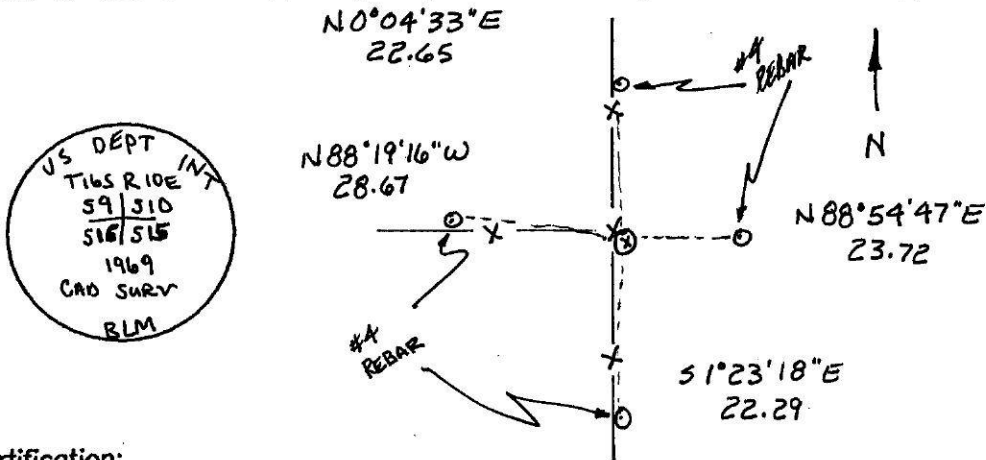
EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 11-11-05 County Reference No. 1610400500
 Type of Monument: Section Corner Quarter Corner
 Bench Mark Other _____

Your Description and Observation of Monument Found (Be Specific):
1969 BLM BRASS CAP 4" 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.

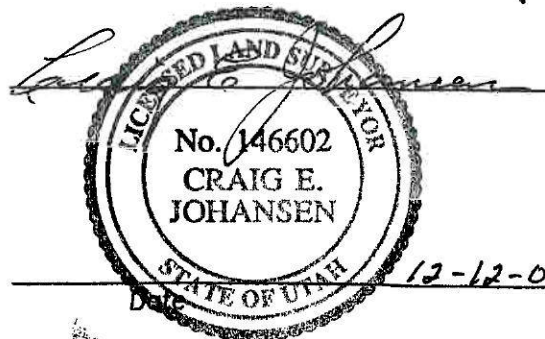
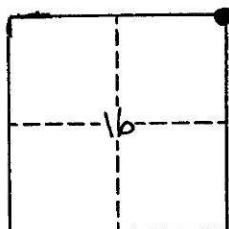


Certification:

Firm name and/or Surveyor: Johansen & Tuttle Eng.
 Address: 90 S. 100 E. Castle Dale, Utah 84513 Phone: (435) 381-2523

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Location Diagram:
 Section: 16
 Township: 16S
 Range: 10E



PLSS GPS Observation Sheet

Project Name SL T16S R10E <small>(Meridian Township Range)</small>		Township		½ (2)	N S	Range		½ (2)	E W	Section		Meridian																				
		T	1	6		S	1	0		E			(SL) US																			
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING						Date 11/17/05																								
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See Emery County Land Survey Monument Record Sheet 1610340500

EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 11-17-05

County Reference No. 1610340500

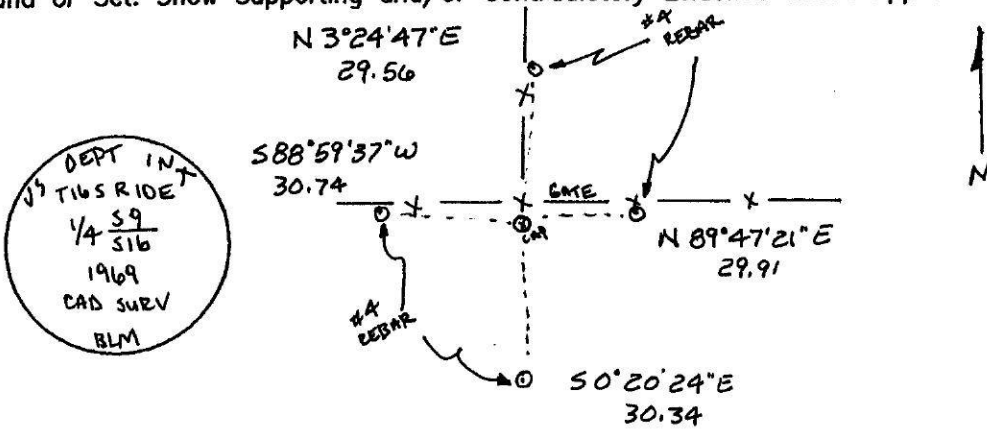
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