

UTAH LAND SURVEY MONUMENT RECORD

County EMERY

County Reference No. ¹⁶¹⁰ ~~1511~~ 440 400

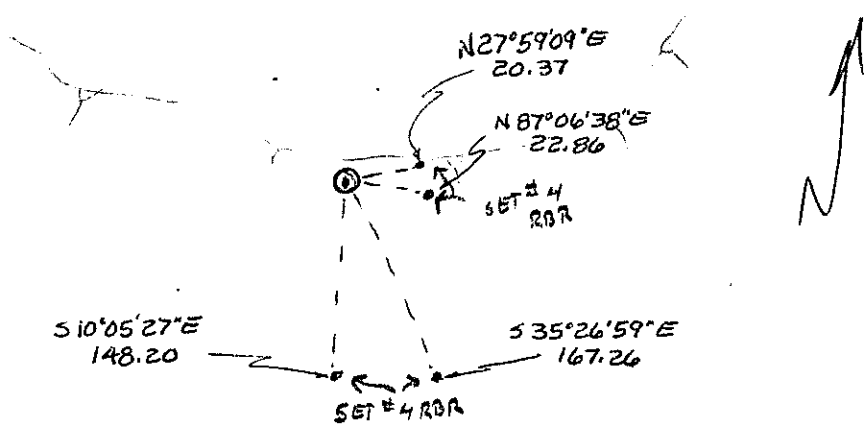
1. Date of Field Work: 12-19-00

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 10' south of BRINK of hill

4. Description of Monument, Reference Monument or Accessories Established by You to Perpetuate the Location of this Point:
SET #4 ROR S-SE-E-NE OF CORNER

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.

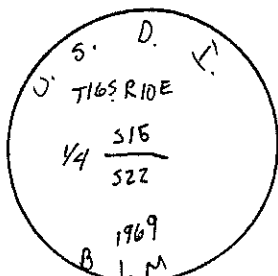
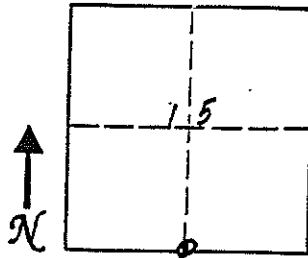


6. Certification:
 Firm Name and/or Surveyor: JOHANSEN & TUTTLE ENG Phone: 381-2523
 Address: 90 S 100 E CASTLE DALE UTAH

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: 15
 9. Township: 16 S
 10. Range: 10 E



11. Monument Inscription:

12. Diagram Coordinate from Master Index for Townships: _____

Signature: _____
 Surveyor's Seal (over signature):

 Date: 11-30-01

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

EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 5-21-01

County Reference No. 1610 4160 4100

Type of Monument: Section Corner Quarter Corner
 Bench Mark Other _____

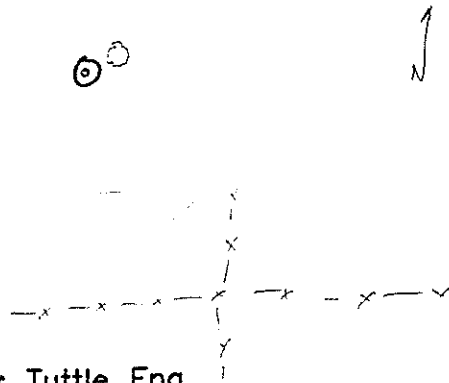
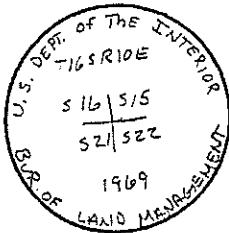
Your Description and Observation of Monument Found (Be Specific):

FOUND STD BLM CAP IN A CULTIVATED FIELD

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

NONE FEASIBLE

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.

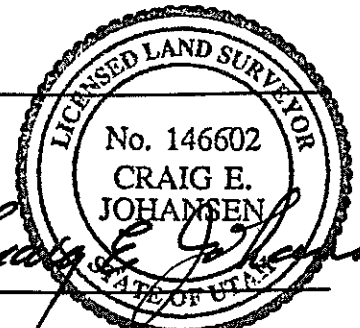
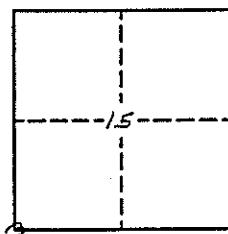


Certification:

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: 15
 Township: 16S
 Range: 10E



Date

11-30-01

UTAH LAND SURVEY MONUMENT RECORD

County EMERY

1610
County Reference No. 416 420400

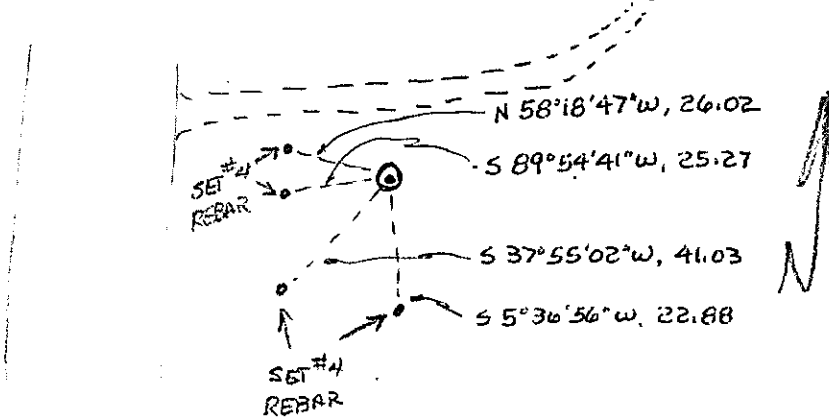
1. Date of Field Work: 12-20-00

2. Type of Monument: (Check one)
 Section Corner Quarter Corner
 Bench Mark Other 1/16 CORNER

3. Your Description and Observation of Monument Found (Be Specific):
FOUND STD BLM CAP 100' ± EAST OF ROAD & 25' ± SOUTH OF TRUCK TRAIL

4. Description of Monument, Reference Monument or Accessories Established by You to Perpetuate the Location of this Point:
SET A #4 REBAR SOUTH - SOUTH WEST - WEST - & NORTH WEST OF CORNER

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.



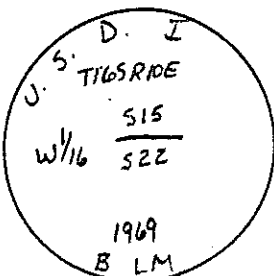
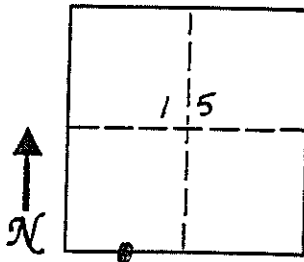
6. Certification:

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: 15
 9. Township: 16 S
 10. Range: 10 E



11. Monument Inscription:

12. Diagram Coordinate from Master Index for Townships: _____

LICENSED LAND SURVEYOR

No. 146602

CRAIG E. JOHANSEN

STATE OF UTAH

Signature: _____
 Date: 11-30-01

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		1/2 (2) N S	Range 1 0		1/2 (2) E W	Section		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 <input checked="" type="radio"/> Other EMERY COUNTY				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 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 <input type="radio"/> Survey Foot <input checked="" type="radio"/> International Foot <input type="radio"/> Meter		Coordinate Type <input type="radio"/> State Plane <input type="radio"/> UTM									
Zone <input type="radio"/> Utah North <input checked="" type="radio"/> Utah Central <input type="radio"/> Utah South		Vertical Datum NGVD29 <input checked="" type="radio"/> 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 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 <input checked="" type="radio"/> RTK <input type="radio"/> FAST STATIC <input type="radio"/> STATIC <input type="radio"/> OTHER											
First Observation											
Station Name (M1) 4 0 0 4 6 0		Description N 1/16 corner Sec. 16 - Sec. 15									
Occupation time		PDOP Best				RMS Best					
Number of Measurements 60		PDOP Worst 2.0				RMS Worst 13.7					
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 1610400460

EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 11-11-05

County Reference No. 1610400460

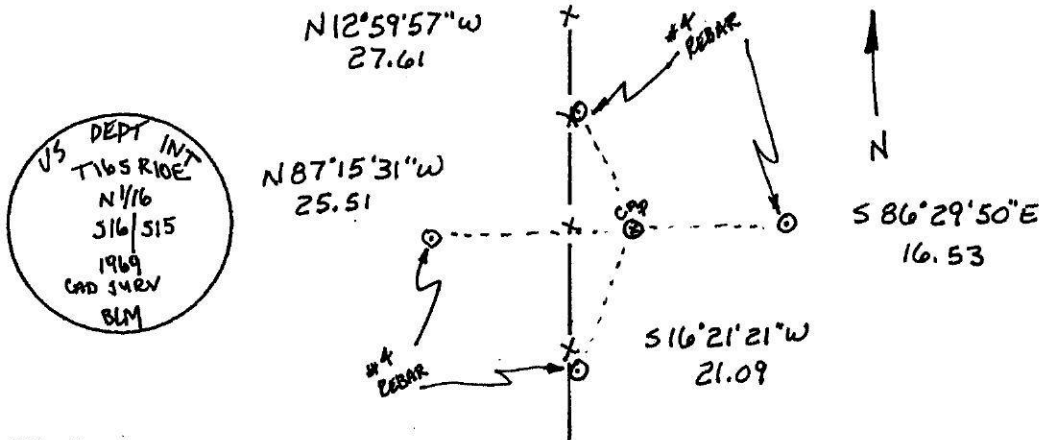
Type of Monument: Section Corner
 Bench Mark

 Quarter Corner
 Other 1/16 CORNER

Your Description and Observation of Monument Found (Be Specific):
 1969 BLM BRASS CAP 8" 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:

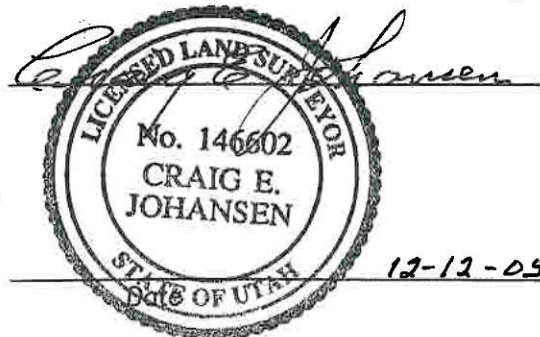
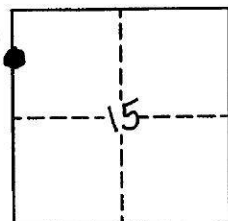
Firm name and/or Surveyor: Johansen & Tuttle Eng.

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

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Location Diagram:

Section: 15
 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							Date																						
Contacts Phone (435) 381-2523		JOHANSEN & TUTTLE ENGINEERING							11/11/05																						
Control Station																															
Name ELM GPS 12		COR		HARN		TRI		Type		Accuracy																					
								Other		EMERY COUNTY																					
USGS Quad Name		Datum								Order																					
OLSEN RESERVOIR UTAH		Nad27		Nad83		Nad83 (1994)		WGS84		Local		State UTAH																			
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		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 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	4	0	5	0	0	Description S 1/4 corner Sec. 10																							
Occupation time		PDOP Best				RMS Best																									
Number of Measurements 60		PDOP Worst 1.6				RMS Worst 13.2																									
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 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 1610440500

EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 11-11-05

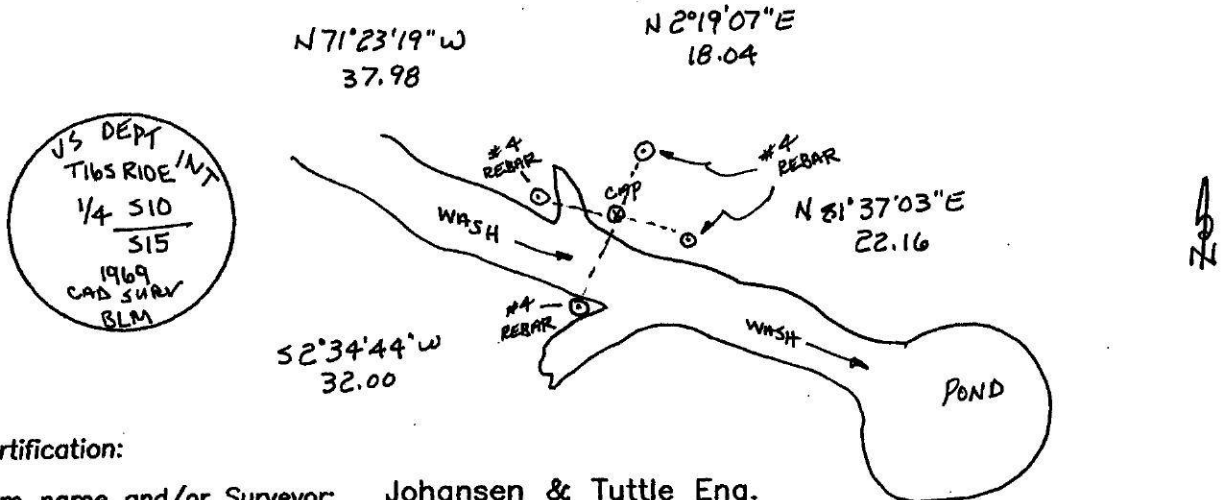
County Reference No. 1610440500

Type of Monument: Section Corner ✓ Quarter Corner
 Bench Mark 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.



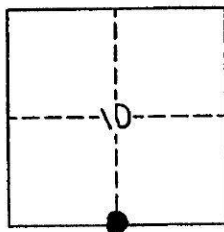
JS DEPT
 TIBS RIDE INT
 1/4 S10
 S15
 1969
 CAD SURV
 BLM

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: 15
 Township: 16S
 Range: 10E



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

PLSS GPS Observation Sheet

Project Name SL T16S R10E (Meridian Township Range)		Township T 1 6		$\frac{1}{2}$ N (2) S		Range 1 0		$\frac{1}{2}$ E (2) W		Section		Meridian (SL) US																					
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING						Date 11/17/05																									
Contacts Phone (435) 381-2523		Control Station																															
Name ELM GPS 12		COR		HARN		TRI		Type Other EMERY COUNTY				Accuracy																					
USGS Quad Name OLSEN RESERVOIR UTAH		Nad27		Nad83		Datum (Nad83 1994)		WGS84		Local		Order		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		<input checked="" type="radio"/> International Foot		<input type="radio"/> Meter		Coordinate Type				<input checked="" type="radio"/> State Plane		<input type="radio"/> UTM																					
Zone Utah North		<input checked="" type="radio"/> Utah Central		<input type="radio"/> Utah South		Vertical Datum				NGVD29		<input checked="" type="radio"/> 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 4.547 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)		4 0 0 4 4 0		Description W 1/4 corner Sec. 15																													
Occupation time				PDOP Best				RMS Best																									
Number of Measurements 60				PDOP Worst 1.5				RMS Worst 14.1																									
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 1610400440

EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 11-17-05

County Reference No. 1610400440

Type of Monument: Section Corner
 Bench Mark

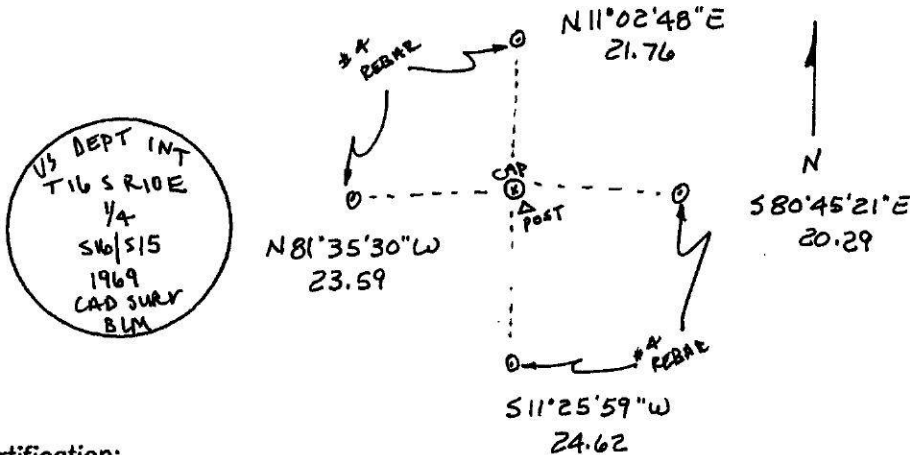
Quarter Corner
 Other _____

Your Description and Observation of Monument Found (Be Specific):

1969 BLM BRASS CAP 8" ABOVE GROUND LEVEL WITH A STEEL FENCEPOST ALONGSIDE.

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



Certification:

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

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

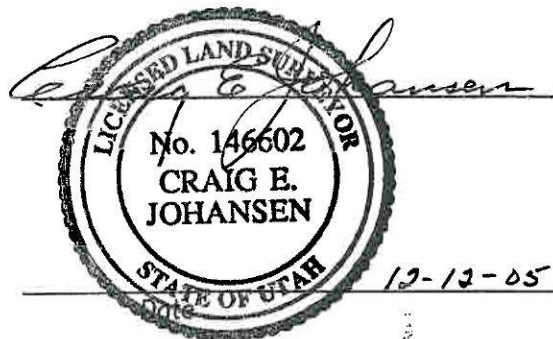
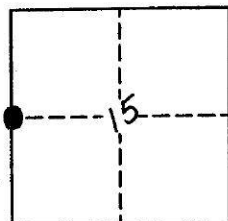
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Location Diagram:

Section: 15

Township: 16S

Range: 10E



PLSS GPS Observation Sheet

Project Name SL T16S R10E (Meridian Township Range)				Township		½ (2)	N S	Range		½ (2)	E W	Section	Meridian																			
				T	1	6		S	1	0			(SL) US																			
Contacts Name Lee M. Swasey				Source Agency						Date																						
Contacts Phone (435) 381-2523				JOHANSEN & TUTTLE ENGINEERING						11/10/05																						
Control Station																																
Name ELM GPS 12				Type						Accuracy																						
				COR	HARN	TRI	(Other) EMERY COUNTY			Order																						
USGS Quad Name				Datum						State UTAH																						
OLSEN RESERVOIR UTAH				Nad27	Nad83	(Nad83 (1994))		WGS84	Local	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		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 4.718 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				(RTK)		FAST STATIC		STATIC		OTHER																						
First Observation																																
Station Name (M1)		4		6		0		5		0		0		Description E 1/16 corner Sec. 10 / Sec. 15																		
Occupation time				PDOP Best				RMS Best																								
Number of Measurements 60				PDOP Worst 4.5				RMS Worst 7.7																								
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 1610460500

EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 11-10-05

County Reference No. 1610460500

Type of Monument: Section Corner
 Bench Mark

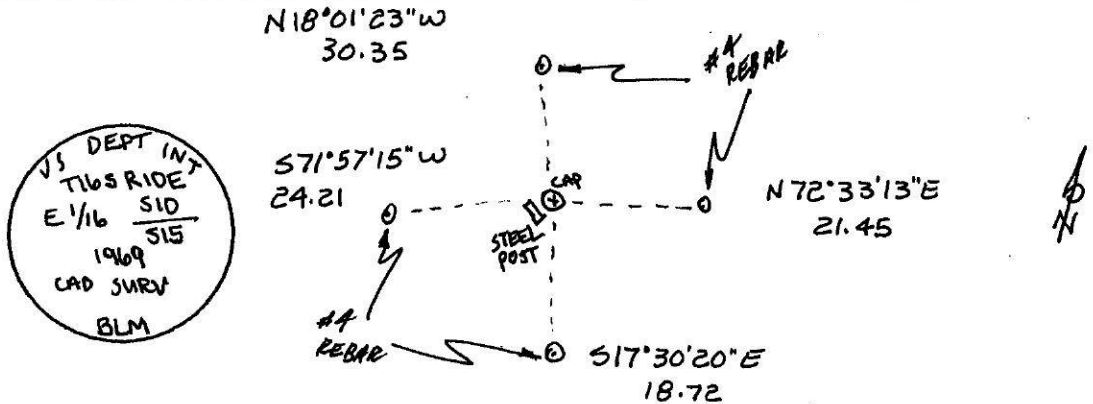
 Quarter Corner
 Other 1/16 CORNER

Your Description and Observation of Monument Found (Be Specific):

1969 BLM BRASS CAP 8" ABOVE GROUND LEVEL WITH A STEEL FENCE POST LYING ALONGSIDE

Description of Monument, Reference Monument or Accessories Established by You to Perpetuate the Location of this Point: SET 4 #4 REBAR AS SHOWN BELOW, RE-PLANTED STEEL FENCE POST ALONGSIDE CAP.

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: 15
 Township: 16S
 Range: 10E

