

## PLSS GPS Observation Sheet

Project Name <b>SL T15S R11E</b> <small>(Meridian Township Range)</small>		Township		1/2 (2)	N S	Range		1/2 (2)	E W	Section	Meridian																			
		T	1	5		S	1	1		E	(SL) US																			
Contacts Name <b>Lee M. Swasey</b>		Source Agency <b>JOHANSEN &amp; TUTTLE ENGINEERING</b>						Date <b>12/01/05</b>																						
Contacts Phone <b>(435) 381-2523</b>																														
<b>Control Station</b>																														
Name <b>CP - 1</b>		Type <input checked="" type="radio"/> Other <input type="radio"/> Local Survey						Accuracy																						
USGS Quad Name <b>OLSEN RESERVOIR UTAH</b>		COR	HARN	TRI				Order																						
		Datum <input checked="" type="radio"/> Nad83 (1994) <input type="radio"/> WGS84 <input type="radio"/> Local						State <b>UTAH</b>																						
		Nad27	Nad83					County <b>EMERY</b>																						
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		<input checked="" type="radio"/> International Foot		Meter		Coordinate Type		<input checked="" type="radio"/> State Plane		UTM																		
Zone		Utah North		<input checked="" type="radio"/> Utah Central		Utah South		Vertical Datum		NGVD29		<input checked="" type="radio"/> NAVD88																		
Ellipsoid Height		M		5481.181 FT		Geoid Height		M		5538.90 FT																				
<b>Base Receiver</b>																														
Type <b>TRIMBLE</b>		Model <b>4000 SSI</b>				Serial Number																								
Logging Interval <b>5 SEC.</b>		Elevation Mask <b>13</b>		PDOP Mask <b>6</b>		Antenna Type <b>L1/L2 w/GROUND PLANE</b>																								
Start Time		AM		PM		End Time		AM		PM																				
<b>Antenna Height</b>																														
Session Beginning		1"		M		2"		M		3"		M		Ave		4.206 Feet		M												
Session End		1"		M		2"		M		3"		M		Ave		M														
<b>Rover Receiver</b>																														
Type <b>TRIMBLE</b>		Model <b>5800</b>				Serial Number <b>4253117118</b>																								
Approximate Distance From Base Station		Miles		Antenna Type <b>5800 INTERNAL</b>		Antenna Height <b>6.6 FT</b>																								
<b>Station Observation</b>																														
Observation Type		<input checked="" type="radio"/> RTK		<input type="radio"/> FAST STATIC		<input type="radio"/> STATIC		<input type="radio"/> OTHER																						
<b>First Observation</b>																														
Station Name (M1)		2		0		0		1		0		0		Description <b>SE corner Sec. 31</b>																
Occupation time		PDOP Best				RMS Best																								
Number of Measurements <b>60</b>		PDOP Worst <b>2.1</b>				RMS Worst <b>10.9</b>																								
<b>Second Observation</b>																														
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																						
<b>Monument and Markings</b>																														
<b>Type / Size</b>																														
Stone		Pipe/Cap				Post		Other																						
Size		Size <b>2 1/2 / 3/4 1969 BLM</b>				Size		Size																						
Material		Material <b>steel / brass</b>				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 1511200100

# EMERY COUNTY LAND SURVEY MONUMENT RECORD

Date of field work: 12-01-05

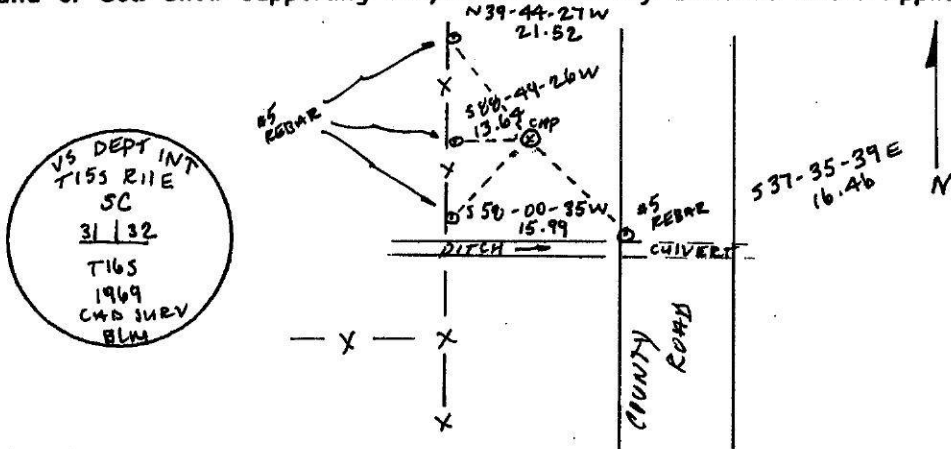
County Reference No. 1511200100

Type of Monument:       Section Corner      \_\_\_\_\_ Quarter Corner  
    \_\_\_\_\_ Bench Mark      \_\_\_\_\_ Other \_\_\_\_\_

Your Description and Observation of Monument Found ( Be Specific ):  
 1969 BLM BEARS CAP 4" ABOVE GROUND LEVEL

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.



Certification:

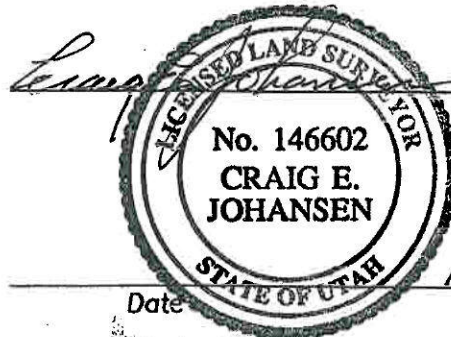
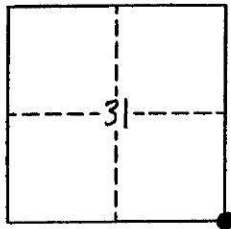
Firm name and/or Surveyor: Johansen & Tuttle Eng.

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: 31  
 Township: 15S  
 Range: 11E



Date: 12-12-05