UTAH LAND SURVEY MONUMENT RECORD

| County EMERY | | County Reference No. 444300 400 |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1. Date of Field Work: _/ | 2-21-00 | |
| 2. Type of Monument: (Check one) | Section Corner Bench Mark | Quarter Corner Other |
| 3. Your Description and Ob Found STO BLMCAP | eservation of Monument Four | nd (Be Specific): |
| | | • |
| | t, Reference Monument or A | ccessories Established by You to Perpetuate the |
| | | • |
| 1 outlie of Dec. Dillow Bupp | Location of Monument Acces orting and/or Contradictory | ssories and Two Reference Points Stating Whether Evidence where Applicable. Include North Arrow. |
| #ill) | N 50°13'19'W 36.33 SET #4 ZEBAR | N29°08'50" € 33.61 |
| | 5'25°43'36"W 18.41 SET#4 A REBAR | 575°04'25"E 24:66 |
| 6. Certification: | 1 | . |
| Firm Name and/or Surveyor: | 90 S 100 E CAST | 5 TUTTLE ENG Phone: 381-2523 THE DALE UTAM |
| This is to certify that I was in a my knowledge the informatio | | Twork described in this record and thought the con- |
| 7. Location Diagram: 8. Section: 16 9. Township: 15 10. Range: 10 = 10 = 10 = 10 = 10 = 10 = 10 = 10 | N a | Signature No. 146602 Surveyor's Seal CRAIG E. (over strature) OHANSE! Date 11-30-0 |
| 1969 BLM | Diagram Coordinate from Master Index for | Report one monument per form. Type or use permanent black ink. |

11. Monument Inscription:

Townships:

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

PLSS GPS Observation Sheet

| Project Name | | | | | Τ | Township | | | | (2) | N | | Range | | | ⁴ 2) | | | | Section | | | Meridian | | | | | | | | | | |
|----------------------------------------------------------------------|------------------------------------------|-------|------|----------|----------|----------------------------------------------|------------------|-------|--------|-------|----------|-------------------------|-----------------------------------------|----------|-------|-----------------|-------|--------------|---------------|---------|--------------------|--------------------|-----------------|--------------|-------|-----|-------|-----------|-------------|-----|--|--|--|
| SL T16S R10E | | | | | | г | 1 | T | 6 | 1 | s | | 1 T | 0 | 1 | 7 | E | Ť | | | | S | | US | | | | | | | | | |
| (Meridian Township Range) Contacts Name Lee M. Swasey | | | | | | | | L_ | | | Source | e Agei | | | | | | - | | _1 | | Date | 10 | 2 | | | | | | | | | |
| - | tacts | _ | | | **** | _ | | | | 90 | 1 | 19 | ЮН | ANS | EN | & TU | | | IGIN | VEE | RIN | G | | | | | /11/0 | 05 | | | | | |
| | Control Station | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ELM GPS 12 | | | | | | | | | | | Ту | | | | | | | Ac | cur | асу | | | | | | | | | | | | | |
| Nar | ne ——— | | VIC. | | | | | | | _ | COF | t | HA | RN | TR | | | EME | RY | CO | UN | JNTY Order | | | | | | | | | | | |
| | OI | | | | uad l | | | r a Y | Y | - | | | $\overline{}$ | NT 16 | | Dat Nac | | | ~~~ | | | | 200 | State UTAH | | | | | | | | | |
| | -OL | SE! | NK | E21 | SKV | 7.0 | R U | | | | Nac | 27 | ـــــــــــــــــــــــــــــــــــــــ | Nada | 33 | (199 | | W | GS84 | | Loc | | | County EMERY | | | | | | | | | |
| <u> </u> | | _ | _ | — | _ | | Lati | tud | e | | | | 1 | T | _ | - | _ | _ | Longitude | | | | | | | | | | | | | | |
| N | 3 |) | - | 2 | 3 | - | 2 | 5 | ١. | 4 | 2 | 8 | 1 | 2 | 7 | $ \mathbf{w} $ | 1 1 | 0 | - | 4 | 5 | - | 0 | 1 | | 5 | 8 | 6 | 1 | 0 | | | |
| | | | | | | 1 | Vort | hin | g | | | | | | | | | | | | | Eas | ting | | | | | | | | | | |
| 6 | 9 | ١ | 7 | 5 | 8 | 7 | | 6 | 3 | | | | | | | 1 3 | 8 5 | 2 | 2 | 5 | 7 | | 0 | 6 | | | | | | | | | |
| Un | its | | | | Surve | y Fo | oot | (I | iterna | tiona | l Foo | t | V | leter | | Coo | rdina | te T | ype | | | | State Plane UTM | | | | | | | | | | |
| Zone Utah North Utah Central Utah South Vertical Datum NGVD29 NAVD88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ell | psoi | H | eig | ht | | _ 1 | 1711 | .15 | M | | | | | | FT | | id He | ight | | | | | M | | | | 50 | 571. | 75 <u>1</u> | FT_ | | | |
| | | | | _ | | | | | | | | | | Bas | se R | eceive | r | | | | | | | | | 6/4 | | | | | | | |
| Тур | e TI | IM | BL | E | | | | | | | Mod | Model 4000 SSI | | | | | | S | Serial Number | | | | | | | | | | | | | | |
| | ging I | | val | 5 5 | SEC | | Ele | vati | on M | | | 13 | 1 | PDC | OP M | | 6 | Aı | itenn | а Ту | pe | L | 1/L2 | 2 w | /GR | _ | | | NE | | | | |
| Star | t Tim | | | | | | | | | A | M | | PM | Am | tonn | End T | | | | | | | | 20210 | A | M | F | M | | | | | |
| Sess | ion Be | ginı | ning | | |] 1 | et | | | | M | | 2 nd | 73.11 | Сина | a Heigh | M | 3° | - | | 10. | M Ave 4.718 Feet M | | | | | | | | | | | |
| Sess | ion E | d | | | | 1 | st . | | | | M | | 2** | | | | M | 3° | 4 | | | | M | | | | | | | | | | |
| | | | | | | | _ | | | | | | | | er F | teceiv | er | | | - | THE REAL PROPERTY. | | | | | | | | | | | | |
| | e TF | | | | | | _ | | | l | Mo | | 58 | | | | | | * | | erial | Num | ber 4 | _ | 3117 | | | | _ | | | | |
| App | roxim | ate l | Dist | ance | Fron | n Ba | ise St | atio | A | | Mil | es | _ | - | - | e 580 | -44 | EKI | NAL | | | | | An | tenna | Hei | ght (| 6.6 F | T | - | | | |
| Ob. | 41 | TT | _ | | (DT | v > | | A CIT | or or | TIC | | CT | | _ | | oserva | tion | - | | -11 | - | | | | | | | _ | _ | | | | |
| Obs | ervati | on I | ype | | (RT | <u>(</u> | <u>k</u> | AS | 517 | MIC | | 51 | ATIO | | | HER servatio | n | | | | | | | | | | *** | | | | | | |
| Stat (M1 | ion Na) | me | | 4 (| 0 | 5 | 0 | 0 | | r |)escr | iptic | n N | E co | rner | Sec. | 16 | | | | | | | | | | | | | | | | |
| Occ | upatio | n tin | ne | | | | | | | P | DOP Best | | | | | | | R | RMS Best | | | | | | | | | | | | | | |
| Nun | iber o | Me | asu | reme | ents | 60 | | | | P | DOF | DOP Worst 1.6 RMS Worst | | | | | | | | 12. | 12.8 | | | | | | | | | | | | |
| Stat | ion Na | me | Т | - T | - | T | | - | - | Torre | | 200 12000 | | Secon | id Ol | servati | on | | | | | | | | | | | | | | | | |
| (M2 |) | | | \perp | <u> </u> | L | | | | - | escr | Ö. | | | | | 100 | | | | | 75 | | | | | | * | | | | | |
| | upatio | - | | | | | | | | | DOP | - | | | | | | | X. | - | MS B | | | | | | | | | | | | |
| | ber o | | | | | 61 - | | 2 | | P | DOP | We | orst | green. | 1. | Ham4 | . D | C4-4* | Y' | | MS V | Vorst | | | 31 | r | | 100 | | | | | |
| TBVC | rse Di | stan | ce t | etwe | en iv | 11 2 | na M | | | | | NA - | Y | FT | | lternat | - | - | OB U | sed | | | Yes | | N | lo | | | _ | _ | | | |
| | Monument and Markings Type / Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Ston | ie | | | | | | | Pipe/ | ipe/Cap Post | | | | | | | | Other | | | | | | | | | | | | | |
| Size | 2 J. | DEAC. | | 100 | | | | Size | 21/ | 2/3 | /4 | | | | | | | | 100 No. 2011 | 201 | | Size | ; | | | | | 131-17/03 | | | | | |
| Material Material steel / I | | | | | | | / 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 M | ark Other |
| Your Description and Observation of Monument | |
| 1969 BLM BRASS CAP 4" ABOVE GROUND | LEVEL. |
| | T |
| | |
| | |
| * | |
| | or Accessories Established by You to Perpetuate the |
| Location of this Point: SET 4 #4 REBAR | AS SHOWN BELOW |
| | |
| | |
| | 5 |
| | |
| Sketch showing Relative Location of Monument | Accessories and Two Reference Points Stating Whether |
| CONTRACTOR STATE OF THE SECOND STATE OF THE SE | ictory Evidence where Applicable. Include North Arrow. |
| N 0°04'33"E 22.65 | M. at 1 |
| -C.G3 | O MELLINE |
| | * / \ |
| N88 19'16"W | / N |
| TILS RIDE 7 28.67 | 1 1000-107"- |
| 516 515 - X | N88°54'47"E |
| 1969 | 23.72 |
| CAO SURV | į. |
| RIM | 4 |
| kar _ | 51°23'18"E |
| | 22.29 |
| Certification: | 1 |
| Firm name and/or Surveyor: Johansen & | Tuttle Eng. |
| Address: 90 S. 100 E. Castle Dale, | Utah 84513 Phone: (435) 381-2523 |
| This is to enable 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 t | rue and correct. |
| | |
| 35 | L SUANDER |
| | Carolina Shancer |
| Location Diagram: | 19 No 14000 10 |
| Section: \b_ | No. 146602 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| Township: 165 | CRAIG E. JOHANSEN |
| Range: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | CHARACET |
| | 12-12-05 |
| | DEOFUL |

PLSS GPS Observation Sheet

| Project Name | | Township | | | | N S | Π | Range | | | ½ E (2) W | | | Section | | | Meridian | | | | | |
|-------------------------------------------------------|--------------------|------------------------|--------------------------------------------------------------------------------|----------------------|-----------|----------------------|---------------------|-------------------|-------|----------|-----------------|------------------|---------------|----------|------|-------|----------|------|------|--|--|--|
| SL T16S R10E | T | T | 1 | 6 | (2) | s | 1 | T | 0 | | E | 1 | | | Γ | (5 | SL) | US | | | | |
| (Meridian Township Range) Contacts Name Lee M. Swasey | +- | | | | Sour | ce Agen | | | - | | $\frac{\nu}{1}$ | | | | Data | 1 | | - 05 | | | | |
| Contacts Phone (435) 381-2523 | 1 | JO | HAN | ISEN | & TU | S-75 | 0.733 | GIN | EER | ING | | Date 11/17/05 | | | | | | | | | | |
| | | | | | | l Stati | | _ | | | | | | | | | | _ | - | | | |
| Name ELM GPS 12 | | | Type Accuracy | | | | | | | | | | | _ | _ | | | | | | | |
| Name | | COR | H | ARN | TI | | ther F | ME | RY | COL | NTY | Order | | | | | | | | | | |
| USGS Quad Name | | | _ [| 22 | | Nac | | | 10000 | Т | | | State UTAH | | | | | | | | | |
| OLSEN RESERVOIR UTA | | Nad2 | ad27 Nad83 (1994) WGS84 Local Co | | | | | | | | County EMERY | | | | | | | | | | | |
| Latitude | | | | | | | | _ | | _ | Long | itu | de | _ | | _ | | | _ | | | |
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| North | ing | | | | | | | | | | Eas | ting | ing | | | | | | | | | |
| 6 9 4 7 5 8 7 . 6 | 6 3 | | | | | 1 1 | 1 8 5 2 2 5 7 | | | | | 0 | 6 | | | | | | | | | |
| Units Survey Foot | International | Foot | > | Mete | r | Coo | rdinat | e T | ype | | | Stat | e Pla | ne | u | тм | _ | | _ | | | |
| Zone Utah North Utah Cen | | ah Sou | ıth | | 100011100 | Ver | Vertical Datum NGVD | | | | | | | | | | | | | | | |
| Ellipsoid Height 1711.1 | 5 M | | - 4. | | FT | 10/8 | id Hei | ght | | | | | M_ | | | 5 | 671. | 75 | FT | | | |
| | | | | B | ase R | eceive | r | _ | | | | | | | | | | | | | | |
| Type TRIMBLE | 1 | | fodel 4000 SSI | | | | | Serial Num | | | | | | oer . | | | | | | | | |
| 00 0 0 0 0 0 | tion Mask | 13 | | - 27317 | OP M | | 6 | An | tenn | Тур | e <u>I</u> | .1/L | 2 w | /GR | | | | NE | | | | |
| Start Time | AN | M | PN | | ntenn | End T | | | - T | - | | 100 | | A | M |] | PM | | | | | |
| Session Beginning 1st | 150 10 20 1 | M | _ | ad . | иссии | a mergii | M | / 3 rd | | | | | M Ave 4.547 F | | | | | t M | [| | | |
| Session End 1 st | | M | 2 | nd Succession | | | M | 3" | | | | M | | Ave | | | | M | | | | |
| | | | | | ver I | leceiv | er | | | - | 10000 | | | | | | | | | | | |
| Type TRIMBLE | | Mode | | | | | | | | | ber | ber 4253117118 | | | | | | | | | | |
| Approximate Distance From Base Stat | tion | Miles | Miles Antenna Type 5800 INTERNAL Antenna Height 6.6 FT Station Observation | | | | | | | | | | | T | | | | | | | | |
| Observation The CRITICAL TRANSPORT | OT OTATIO | | | Contract of the last | | Contract to the last | tion | | _ | _ | _11 | | | | | | | 18. | | | | |
| Observation Type (RTK) FA | ST STATIC | | STA | | | THER servatio | n . | 0.0000 | | | | | | HECONO. | | 50.00 | | | 2000 | | | |
| Station Name 3 4 0 5 0 0 | De | escrip | tion | N 1/4 | 4 corı | ner Sec | . 16 | | | | | | | 16 | | | | | | | | |
| Occupation time | | DOP Best | | | | | | 85 | | RMS Best | | | | | | | | | | | | |
| Number of Measurements 60 | PI | DOP Werst 1.6 RMS We | | | | | | | | S Wors | # 12.6 | | | | | | | | | | | |
| Station Name | | 04 - 74 2012-019-01 | | Seco | ond Ol | bservati | ion | | | | 2000 N 10 | | | | 27 | | NAS | | | | | |
| (M2) | | escrip | 2 | | | | | | | list. | | | | | | | | | | | | |
| | Occupation time PI | | | | | | | | | | | | | RMS Best | | | | | | | | |
| Number of Measurements PDOP Worst | | | | | | | | N4 - 41 - | TT- | | S Wors | | - | | T. | | | | | | | |
| Inverse Distance Between M1 and M2 | | | N.F. | | _ | - | | | on Us | eu | _ | Ye | S | r | 10 | | | - | - | | | |
| Monument and Markings Type / Size | | | | | | | | | | | | | | | | | | | | | | |
| Stone | Р | ipe/Ca | ıp | | турс | i DILC | | Pos | st | 10 10 | | Oti | ner | | - | | | 175 | _ | | | |
| Size Si | ize 2½/3½ | 4 1 | 969 | BLN | 1 | Size | | | | | 2000 | Siz | æ | 1000 | 19 | | | | | | | |
| Material M | | / 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 1610340500

EMERY COUNTY LAND SURVEY MONUMENT RECORD

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| Date of field work: 11-17-05 | County Reference No. 1610 340 500 |
| Type of Monument: Section Corner | Quarter Corner |
| Bench Mark | Other |
| Your Description and Observation of Monument Found (Be Sp | pecific): |
| 1969 BLM BRASS CAP 4" ABOVE GROUND LEVEL | |
| | |
| | |
| | |
| Description of Monument, Reference Monument or Accessories Location of this Point: SET 4 #4 REBAR AS SHOWN BEL | Established by You to Perpetuate the |
| LOCATION OF THE SECTION SECTIO | 040 |
| | |
| | |
| 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. |
| N 3°24'47"E | <u>.</u> |
| 29.56 | ti . |
| DEPT IN 588 59 37 W | $\int_{\mathcal{F}}$ |
| 19 TILS RIDE 30.74 4 GME X | |
| 1/4 59 19109 N 89°47'2 29.91 | |
| CAD SURV EERRY | |
| 9 | |
| →0 50°20′24″E 30.34 | |
| B0000W 300 V. | |
| Certification: Firm name and/or Surveyor: Johansen & Tuttle Eng. | |
| Firm name and/or Surveyor: Johansen & Tuttle Eng. Address: 90 S. 100 E. Castle Dale, Utah 845 | 13 Phone: (435) 381-2523 |
| This is to certify that I was in responsible charge of the surveying work | |
| of my knowledge the information presented herein is true and correct. | accuracy in and receive and their to the past |
| | |
| lee lee | 10 Janen |
| Location Diagram: | No laccos 2 |
| Section: \(\lambda \) | No. (146602)2 CRAIG E. |
| Township: 165 Range: 106 | JOHANSEN / |
| nonge. 100 | 02-12-05 |