STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SWO 4836(1) J/P 28999(04) ; CO. Kiowa & Washita

HORIZONTAL CONTROL:
( ) Oklahoma Coordinate System of 1927 _____ Zone.
(X) Oklahoma Coordinate System of 1983 (93) South Zone.
( ) Oklahoma Dept. of Transportation Plane Coordinate System of 1927 _____ Zone.
( ) Oklahoma Dept. of Transportation Plane Coordinate System of 1983 _____ Zone.
( ) Arbitrary Coordinate System

HORIZONTAL PLANE DATUM DEFINITION:
Oklahoma Department of Transportation coordinates were derived by multiplying the Oklahoma Coordinate Systems of 1927 or 1983 by the combined adjustment factor of 1.00010. The ODOT Coordinate System is 2350 feet above sea level.

1. Primary Control adjusted to NGS (C) Order
Stations FK0373
A) Closure before adjustment X _____ ; Y _____ Angles _____
Trav. Length _____ No. Angles _____ ; 1: _____
B) _____ ; is ( ) Order before adjustment.
C) Method of Distance Measurement:
( ) Electronic (X) GPS ( ) Triangulation ( ) Chained
D) Instrument used for angles Topcon GPS GR3
2. Secondary Control adjusted to Primary Control (D) Order
Stations _____
A) Closure before adjustment X _____ ; Y _____ Angles _____
B) _____ ; is ( ) Order; Tied to _____
C) Method of Distance Measurement:
(X) Electronic ( ) GPS ( ) Triangulation ( ) Chained
D) Instrument used for angles Sokkia Total Station Set 3 130r3

VERTICAL CONTROL IS 3rd order. Level Line taken from _____
() order and tied to _____ () order.
( ) NGVD 29 datum
(X) NAVD 88 datum

ACCURACY DEFINITION:
(1) HORIZONTAL: (3rd Order = Class I = 1 : 10,000')
(3rd Order = Class II = 1 : 5,000')
(2) VERTICAL: (1st Order = 0.017 Ft. x sqrt. of Mi.) (2nd Order = 0.035 Ft. x sqrt. of Mi.)
(3rd Order = 0.050 Ft. x sqrt. of Mi.)

Distribution:
Copy w/survey reports
Copy in each Alignment and level book

Cliff R. Stout Jr.
Professional Land Surveyor

December 7,2012
Date

(FORM SD #20)
Rev. 11/03

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SURVEY OF

STATE HIGHWAY 44

SWO 4836(1)

J/P NO. 28999(04)

KIOWA & WASHITA COUNTIES

S.H. 44, BRIDGE OVER ELK CREEK & ELK CREEK OVERFLOW,
7.6 & 7.8 MILES NORTH OF S.H. 9

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

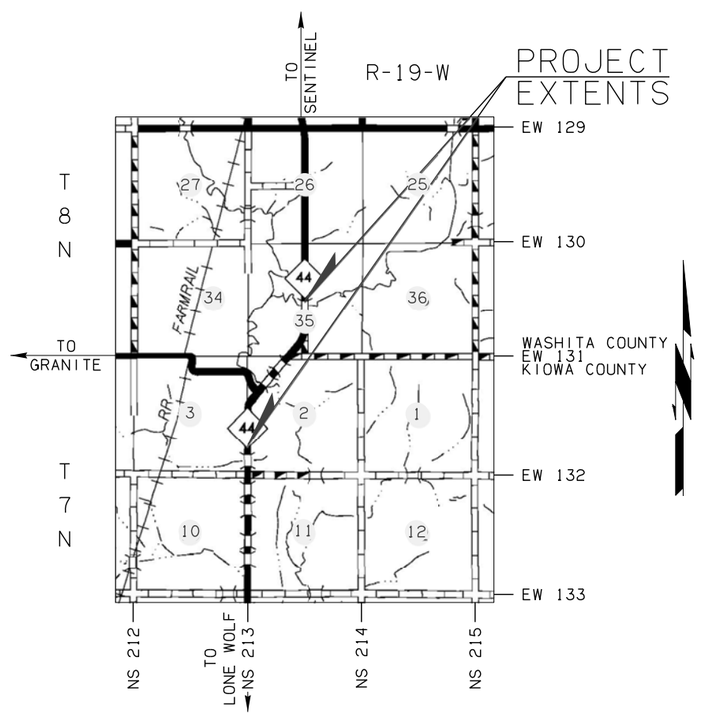
REVISIONS

DESCRIPTION	DATE

Index of Sheets
1. Title Sheet
2. Historical Letter and Written Report
3. Historical Letter and Written Report
4. Historical Letter and Written Report
5. Check Levels & Alignment Report
6. Cogo Report
7. Horizontal Control and OPUS Solutions
8-10. Survey Data Sheets
11-14. Land Tie Data Sheets

Survey Began 7-20-12
Survey End 11-18-12

Personal:	Title:	Equipment:	Serial#
Cliff R. Stout Jr.	Professional Land Surveyor	Sokkia 130R3 Total Station	D22819
Thomas D. Lee	Professional Land Surveyor	Sokkia Allegro Data Collector	30139
Tim Endsley	Senior CADD Technician	Sokkia Allegro Data Collector	30126
Mandy Palmatary	Administrative Support	Sokkia Total Station Set 3 130r3	141740
Brad Cypert	Senior Party Chief	Topcon FC-2200 Data Collector	TPS100191
Brian Hale	Party Chief	Topcon GPS GR3 Receiver	444-0405
Sam Gibson	Party Chief	Topcon GPS GR3 Receiver	444-0402
Jason Arnold	Instrument Man	Topcon GPS GR3 Receiver	444-0456
Josh Pridemore	Instrument Man	Topcon GPS GR3 Receiver	444-458
Caleb Avery	Instrument Man	Topcon FC-2500 Data Collector	558-2012
Teresa Lenox	Hydraulic Technician	Trimble Digital Level DiNi	707885
Carissa Palmer	Utility Technician		



CONVENTIONAL SYMBOLS
- PROPOSED ROAD
- RAILROADS
- RANGE & TOWNSHIP
- SECTION LINES
- QUARTER SECTION LINES
- FENCES
- GROUND LINE
- EXISTING ROADS
- BASE LINE
- GRADE LINES
- TELEPHONE & TELEGRAPH
- POWER LINES
- BUILDINGS
- OILWELL
- DRAINAGE STRUCTURES - IN PLACE
- DRAINAGE STRUCTURES - NEW
- RIGHT-OF-WAY LINES - EXISTING
- RIGHT-OF-WAY LINES - NEW
- CONTROLLED ACCESS
- RIGHT-OF-WAY FENCE

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SWO 4836(1) Job / Piece 28999(04) Engr. Contract No. 1394-

LAND SURVEYOR'S CERTIFICATION

I hereby certify that all land and property sub-division distances, angles, corners and monumentation made or used in conjunction with this survey and depicted or recorded herein or hereon were recovered, established or re-established in substantial conformity with:

- applicable instructions contained in the U.S. Government Bureau of Land Management publication "Manual of Surveying instructions";
- its supplement, "Restoration of Lost or Obliterated Corners and Subdivision of Sections";
- "Oklahoma Minimum Standards for the Practice of Land Surveying" as adopted by the State Board of Registration for Professional Engineers and Land Surveyors; and
- sound land surveying practices;

Including a thorough search, study, analysis and consideration of all existing records and field evidence.

I further certify that all survey monuments depicted exist and that all land survey work was done by me or under my direct supervision and that it is true, accurate and correct to the best of my knowledge and belief.

Dated this 19st day of December 7, 2012

Land Surveyor _____
Signature

Cliff R. Stout Jr.
Printed Name

Oklahoma Professional Land Surveyor No. 1473

Certificate of Authorization No. 3949 Exp. Date: June 30, 2013

LICENSED PROFESSIONAL LAND SURVEYOR
Cliff R. Stout Jr.
1473
OKLAHOMA

Utilities

Utility	Phone Number
Telephone Lines:	
Pioneer Telephone Cooperative	(405) 375-0255
Electric Lines:	
Kiwash Electric Cooperative	(580) 832-3361

SURVEY LENGTH 6923.00 Ft. 1.311 Mi.

BEGINNING SATTION : 370+77.00
ENDING STATION : 440+00.00

THIS SURVEY MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS, MAY 17, 2010.

SPECIFICATIONS FOR SURVEYS FOR PRIMARY AND SECONDARY HIGHWAYS DATED MAY 1, 1999 GOVERN.

SDS 1 OF 14

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BEFORE YOU DIG 800-522-OKIE CALL OKIE

PLS	CRS	12/12	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	TDL	12/12	SMITH ROBERTS BALDISCHWILER, LLC 100 N.E. 5th Street Oklahoma City, OK 73104 Telephone: (405) 840-7094 FAX: (405) 840-9116
CHECKED	JAC	12/12	SURVEY DATA SHEET
APPROVED	CRS	12/12	
CREW	BC, SG, BH		SWO 4836 (1) PROJECT NO. 28999(04) SHEET NO. SD01