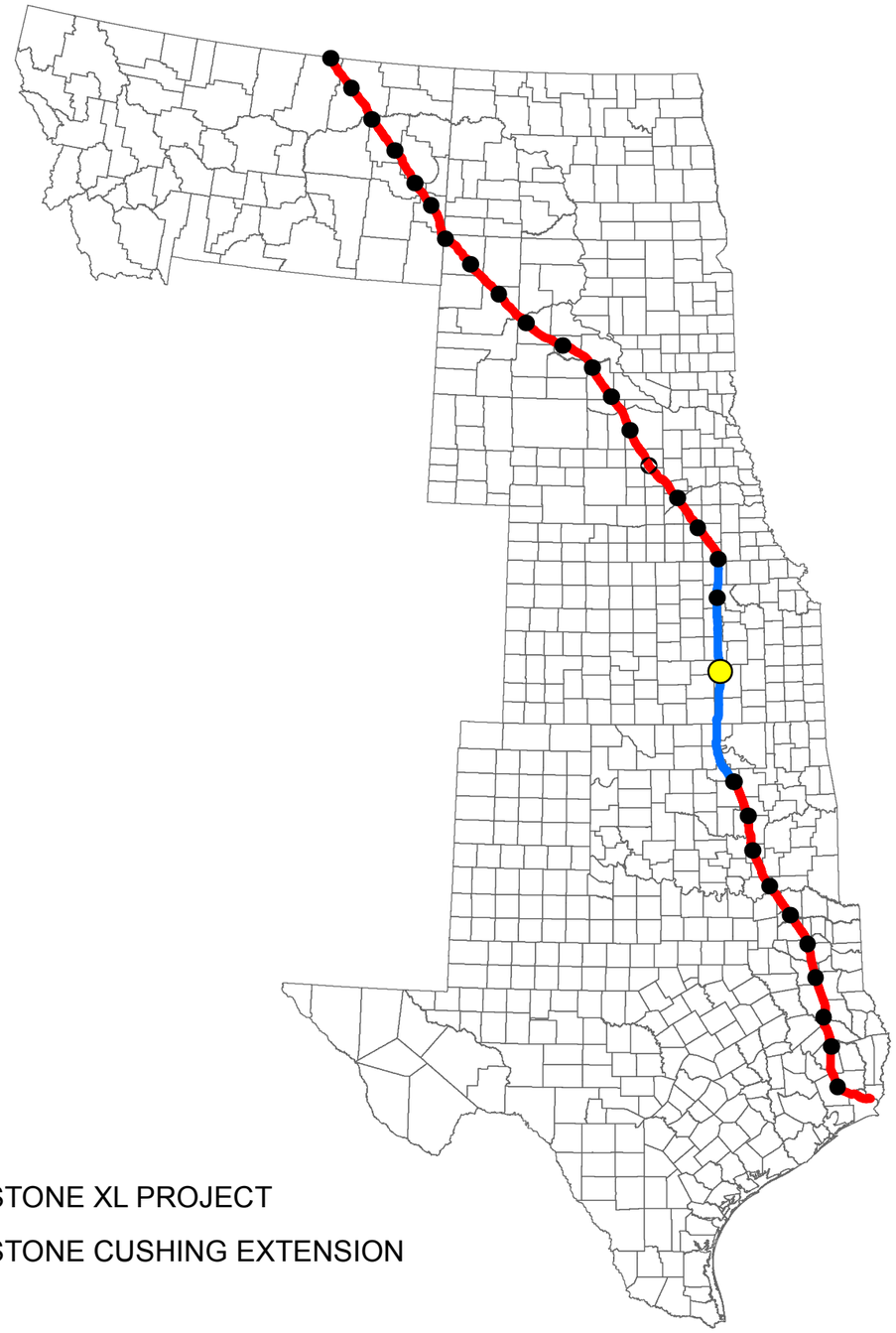

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

TransCanada Keystone Pipeline, L.P.
United States Department of State
Keystone XL Project
Appendix B
Powerline Aerial and
USGS Route Sheets
PS-29A1

TROW ENGINEERING CONSULTANTS, INC.
MAY 19, 2010
REVISION 2

PREPARED BY:
TROW ENGINEERING CONSULTANTS INC.
1300 Metropolitan Boulevard, Suite 200
Tallahassee, Florida , USA 32308
Phone: 1-850-385-5441
Fax: 1-850-385-5523

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2	ISSUED FOR DEIS FILING (03.26.10 CL)	5.19.10
1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (3.20.09 CL)	7.6.09
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DRAWING NUMBER	DRAWN BY	CHECKED BY	APPROVED BY
XL-FIPS-ML-2003-P-000	AH	SS	RG

KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

SEC 6 24S 4E
SEC 5 24S 4E
SEC 33 23S 4E
SEC 34 23S 4E
SEC 35 23S 4E
SEC 36 23S 4E
SEC 31 23S 5E
SEC 4 24S 4E
SEC 3 24S 4E
SEC 2 24S 4E
SEC 1 24S 4E
SEC 6 24S 5E
SEC 7 24S 5E
SEC 7 24S 4E
SEC 8 24S 4E
SEC 9 24S 4E
SEC 10 24S 4E
SEC 11 24S 4E
SEC 12 24S 4E
SEC 13 24S 4E
SEC 14 24S 4E
SEC 15 24S 4E
SEC 16 24S 4E
SEC 17 24S 4E
SEC 18 24S 4E
SEC 18 24S 5E
SEC 19 24S 4E
SEC 20 24S 4E
SEC 21
SEC 22 24S 4E

Henry Creek
East Branch Whitewater River
Whitewater River
Whitewater River
River Valley
Diamond Creek
Fourmile Creek
345
110th
SEE SHEET - 01
SEE SHEET - 02

MP 143
MP 144
MP 145
MP 8
MP 7
MP 6
MP 5
MP 4

PS-29A1 Burns

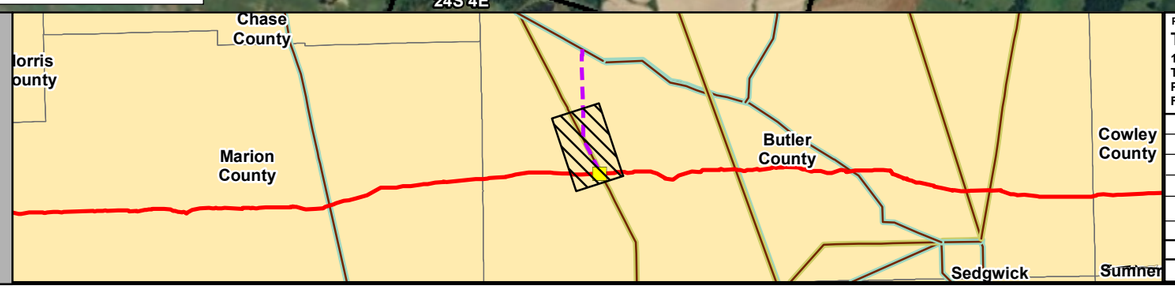
0 1,000 2,000 4,000 6,000 8,000
Feet

N W E S

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Pump Station
- County Line
- Section Line

Electric Lines
Voltage
- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
- 500kV - 734kV
- 735kV - 999kV
- AC-DC-AC Tie
- DC



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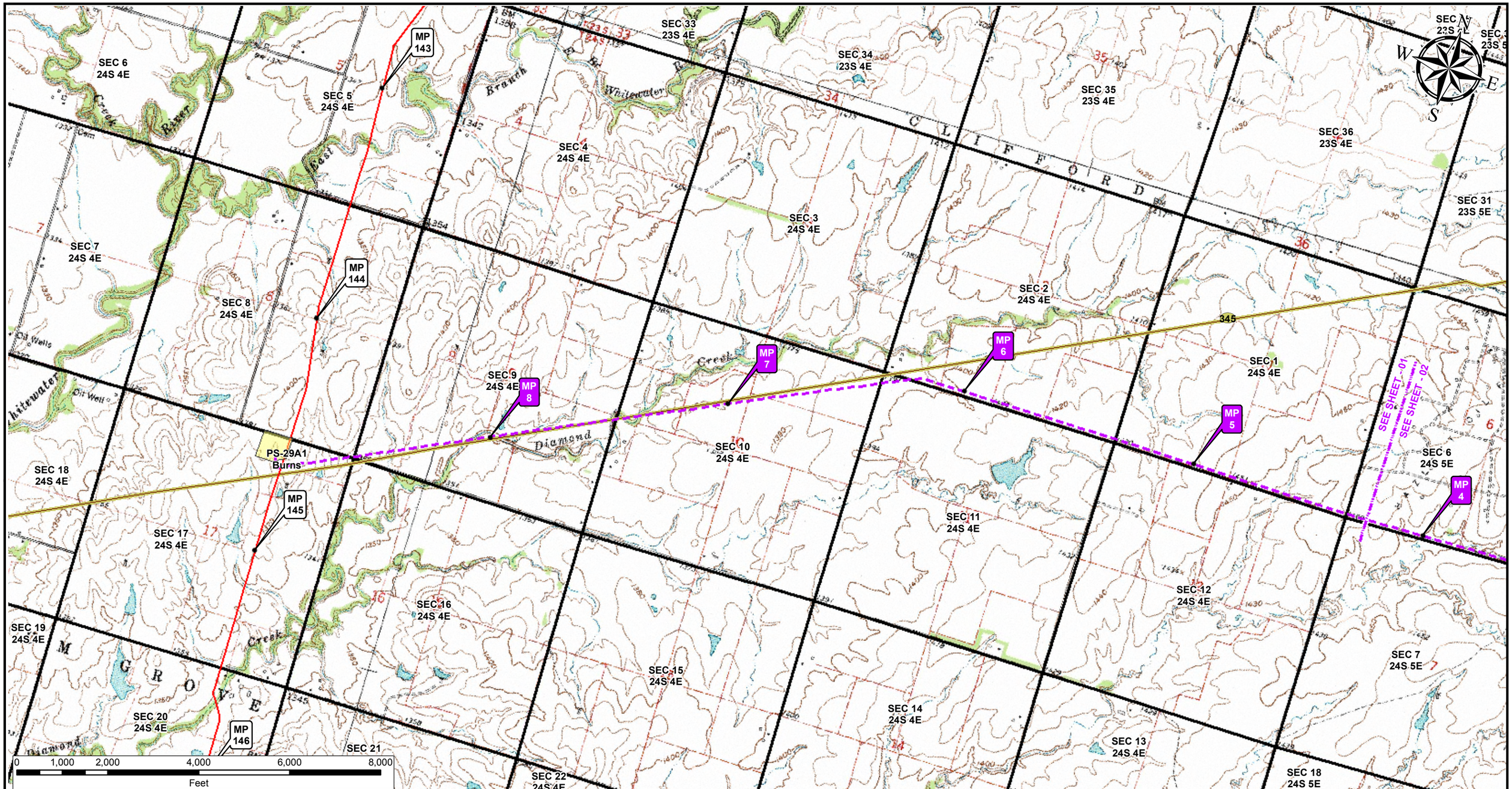
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
BUTLER COUNTY, KANSAS
PS-29

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
AH	SS	RG	50388X	XL-20-ML-2003-P-29-01-A	01 of 02	2



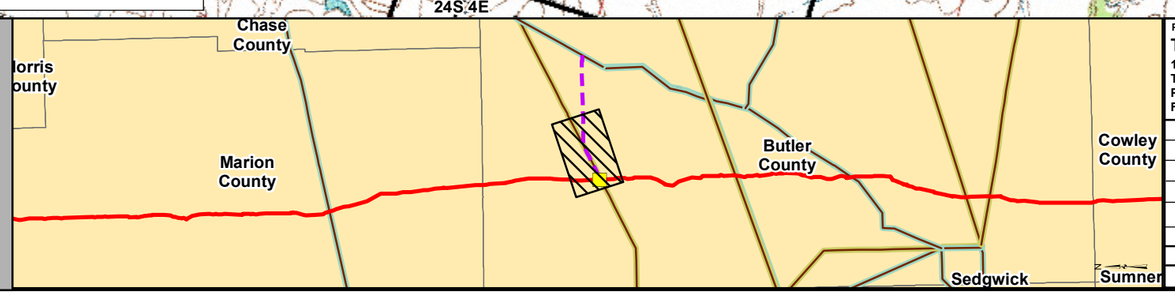
Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Pump Station
- County Line
- Section Line

Electric Lines

Voltage

- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
- 500kV - 734kV
- 735kV - 999kV
- AC-DC-AC Tie
- DC



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
BUTLER COUNTY, KANSAS
PS-29

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
AH	SS	RG	50388X	XL- 20-ML-2003-P- 29-01 -Q	01 of 02	2

Diamond Creek
SEC 36 23S 4E
SEC 31 23S 5E
345
SEC 32 23S 5E
SEC 33 23S 5E
SEC 34 23S 5E
West Branch Walnut River
US Hwy 77
SEC 35 23S 5E
West Branch Walnut River
N
W
E
S
SEC 1 24S 4E
SEE SHEET - 01
SEE SHEET - 02
SEC 6 24S 5E
MP 4
SEC 5 24S 5E
MP 3
SEC 4 24S 5E
MP 2
110th
SEC 3 24S 5E
MP 1
SEC 2 24S 5E
MP 0
SEC 1 24S 5E
SEC 12 24S 4E
Fourmile Creek
SEC 7 24S 5E
SEC 8 24S 5E
SEC 9 24S 5E
SEC 10 24S 5E
161kV
SEC 11 24S 5E
SEC 12 24S 5E
SEC 13 24S 4E
SEC 18 24S 5E
SEC 17 24S 5E
SEC 16 24S 5E
SEC 15 24S 5E
138kV
SEC 14 24S 5E
SEC 13 24S 5E
0 1,000 2,000 4,000 6,000 8,000
Feet

Legend

- Milepost
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- Pump Station
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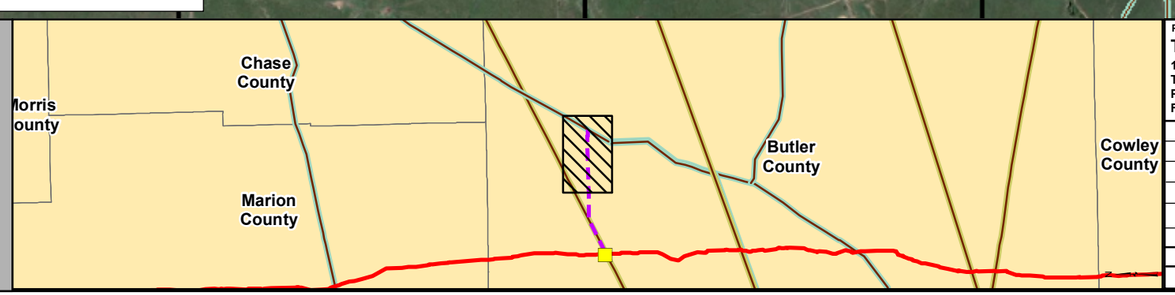

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TRANSMISSION SUPPLY LINE ROUTE MAP
BUTLER COUNTY, KANSAS
PS-29

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AH	SS	RG	50388X	XL- 20-ML-2003-P- 29-02 -A	02 of 02	2

SEC 36
23S 4E

SEC 31
23S 5E

SEC 32
23S 5E

SEC 33
23S 5E

SEC 34
23S 5E

SEC 35
23S 5E

SEC 1
24S 4E

SEC 6
24S 5E

SEC 5
24S 5E

SEC 4
24S 5E

SEC 3
24S 5E

SEC 2
24S 5E

SEC 1
24S 5E

SEC 12
24S 4E

SEC 7
24S 5E

SEC 8
24S 5E

SEC 9
24S 5E

SEC 10
24S 5E

SEC 11
24S 5E

SEC 12
24S 5E

SEC 13
24S 4E

SEC 18
24S 5E

SEC 17
24S 5E

SEC 16
24S 5E

SEC 15
24S 5E

SEC 14
24S 5E

SEC 13
24S 5E

SEE SHEET - 01

SEE SHEET - 02

MP 4

MP 3

MP 2

MP 1

MP 0

345

161kV

138kV

De Graff

0 1,000 2,000 4,000 6,000 8,000
Feet

N S E W

Legend

- Milepost
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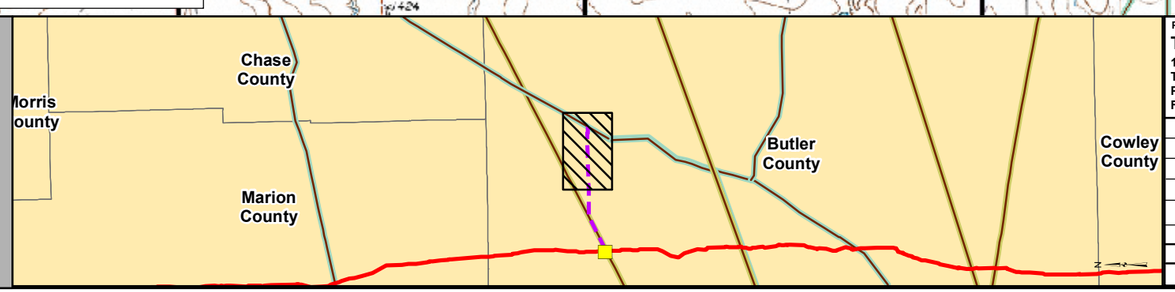

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