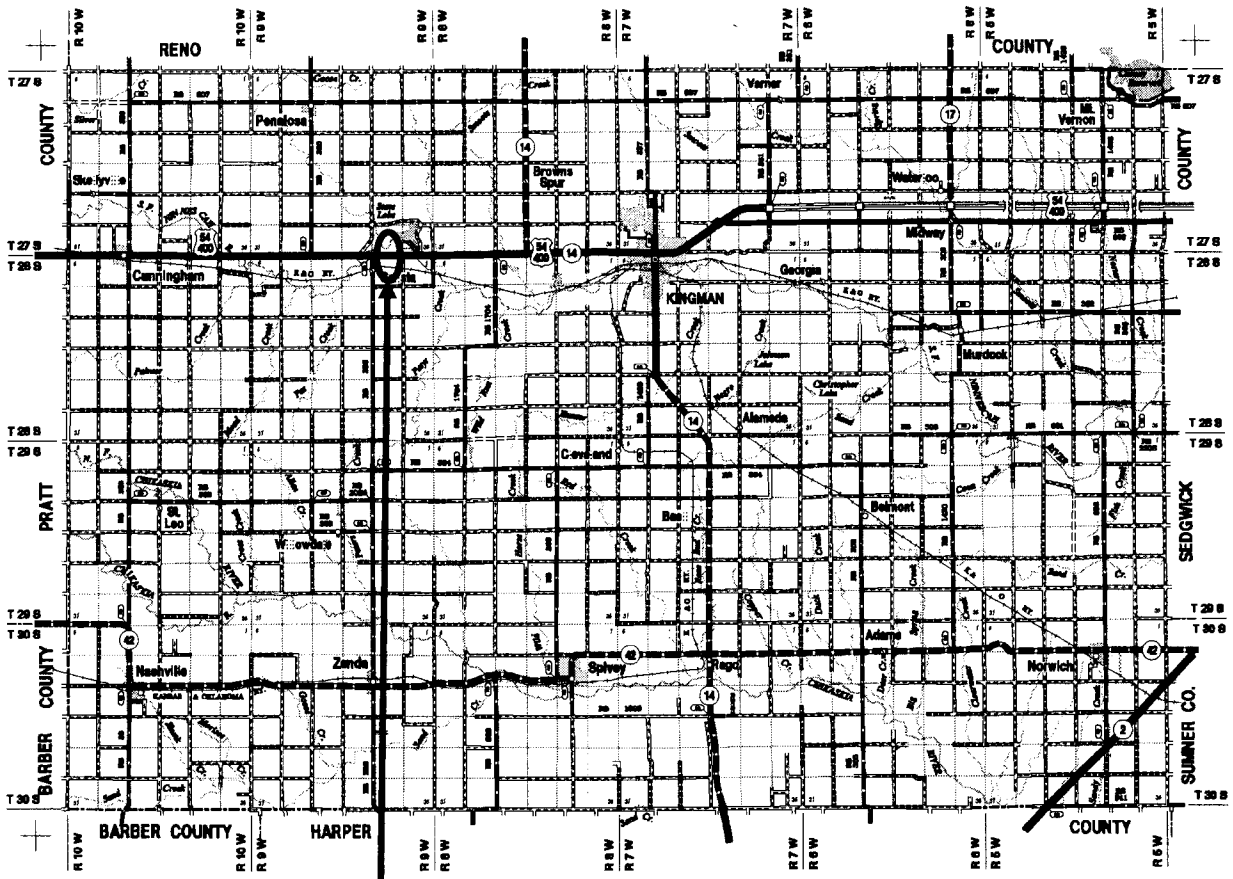

54-84 K-8244

US-54 over S. Fork Ninnescah River

Kingman County

CD 01

N: 37.645440 E: -98.286942 (Approximate)

S ½, SE ¼, Sect 34, T27S, R9~~E~~ W

6/23/2009

KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO. US-54 Kingman	SOUNDING NO. CD 1	SHEET 1 OF 2
BRIDGE STA. 2116+94.75	PROJ.NO. 54-48 K-8244-02	BRIDGE NO. 11.68(094)
SITE NAME US-54 over South Fork Ninnescah River		HOLE STA. 2118+59, 76' Lt ℄ US-54
GEOLOGIST Rocky Crow	SCALE 1:120 (1"=10')	DATE September 11, 2007
DRILLER Bob Bergman	RIG TYPE CME-75	TOP HOLE ELEV. 1563.12
GW ELEV. ⊬ 1555.62	TOTAL DEPTH 78.5	M/B ELEV. 1517.22

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION TSF	STANDARD PENETRATION TEST (SPT) N60 COUNT	STANDARD PENETRATION TEST (SPT) ELEVATION
			0.0					1563.12
8" Hollow Stem Augers	Alluvium			1560 1550 1540 1530 1520	Sand, tan, wet	0.378		1561.12
			45.9					1517.22
Diamond	Harper Formation	1 2			Shale, mainly red w/minor gray, sandy	37.05 28.7		1512.52 1510.72

KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO. US-54 Kingman	SOUNDING NO.	SHEET 2 OF 2
BRIDGE STA. 2116+94.75	PROJ. NO. 54-48 K-8244-02	BRIDGE NO. 11.68(094)
SITE NAME US-54 over South Fork Ninnescah River		HOLE STA. 2118+59, 76' Lt ℄ US-54

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION TSF	STANDARD PENETRATION TEST (SPT) N60 COUNT	STANDARD PENETRATION TEST (SPT) ELEVATION
Diamond	Harper Formation	2	54.0		Shale to siltstone, red, sandy, pitted	25.55		1509.12
			55.7			31.8		1507.42
		3	61.6			128.5		1501.52
				1500				
		4	65.6			46.45		1497.52
		5	72.6			79.5		1490.52
				1490				
		6	75.3			87.0		1487.82
			78.5					1484.62
				1480				