

SE SE NW 6-65-21E

Atchison County

Hole 4

KANSAS DEPARTMENT OF TRANSPORTATION



1. ROUTE-COUNTY NO. 59-3	7. SOUNDING NO. 4, AWB	12. SHEET 1 OF
2. BRIDGE STA. 735+88	8. PROJECT NO. K-8238-02	13. BRIDGE NO. 59-3-16.38(655)
3. DESCRIPTION US-59 over Missouri River	9. HOLE STA. 734+83	14. DATE 4-25-07
4. GEOLOGIST Thompson	10. VERTICLE SCALE 1"=10'	15. ELEVATION TOP OF HOLE 774.5
5. DRILLER Terracon	11. RIG CME 85	16. ELEVATION TOP OF ROCK 702.5
6. GROUND WATER ELEV. 774.5	17. TOTAL DEPTH OF HOLE 113'	

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
							BLOWS	ELEV.
			0'	774.5				
		Water		770	Water			
			10'	764.0				
				760	Alluvium, silt, sand, gravel - no return -			
				750				
				740				
				730				
				720				
				710				

Tri-Cone

Alluvium

4" Casing

DRILLING LOG (con't sheet)			1. SOUNDING NO. 4, AW-13		2. PROJECT NO. K-8238-02		3. SHEET 2 OF 2	
4. ELEVATION TOP OF HOLE 774.5			5. GROUND WATER ELEV. 774.5		6. TOTAL DEPTH OF HOLE 1136		7. ELEVATION TOP OF ROCK 702.5	
BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION TSF	STANDARD PENETRATION OR CASING DRIVE	
							BLOWS Depth	ELEV.
Tri-Cone	Alluvium			710	Alluvium, silt, sand, gravel - no return			
			720 72.6	702.5	Shale Limestone, Shaly		72.2	702.3
Diamond	Weston Shale Member	2		700	Shale, gray, clayey with occasional thin siltstone	11.95	75.1	699.4
		2		690		23.8	83.6	690.9
		3		680		6.65	91.3	683.2
		4		670		32.95	95.35	679.15
		5		660	Limestone, impure to shaly Shale, dark gray, hard	25.55	99.5	675.0
			110.4 111.6 113.6	664.1 662.9 660.9		5.35	110.4	664.1
				660	TD	94.5	113.15	661.35