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KANSAS DEPARTMENT OF TRANSPORTATION



STATE OF KANSAS



DEPARTMENT OF TRANSPORTATION

T R S
28 7W 29
NE SW SW NW

RTE./CO.	K-14 / Kingman	SOUNDING NO.	CH01	SHEET	1 of 2	
		PROJ. NO.	14-48 KA-3877-01	BRIDGE NO.	14-48-14.32 (116)	
SITE NAME			K-14 over Hunter Creek		HOLE STA.	576+31, 24.0' Rt CL
GEOLOGIST	A. Peterson, P.G.	SCALE	1 inch = 19.2 feet		DATE	August 14, 2018
DRILLER	C. Hutchins	RIG TYPE	Dietrich D-90		TOP HOLE ELEV.	1568.7
GW ELEV.	1559.7	TOTAL DEPTH	112.9		M/B ELEV.	1487.2
GPS COORDINATES						37.584039, -98.108348

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	SPT BLOW COUNT Hammer Cor. Factor: N60	ELEVATION
			1.0	1568.7	clay, silty, dk brown, moist				
			2.0	1567.7	clay, lt brown, moist				
			4.0	1566.7	clay, lt brown w/ caliche, moist				
			6.0	1564.7	clay, silty, brown w/ caliche, moist				
			7.5	1562.7	clay, silty, dk brown to black, moist				
			10.0	1561.2	sand, lt brown, fine to med, moist				
			13.0	1558.7	sand, brown to orange, fine to med, very moist				
				1555.7	sand, brown, med to coarse, wet				
				1550					
				1545					
			29.0	1539.7	sand, silty, gray to brown, med to coarse, wet				
				1535					
				1530					
				1525					
				1520					
				1515					
			52.0	1516.7	sand, clayey, brown, fine, wet				
				1510					
				1505					
				1500					
				1495					
				1490					
			80.5	1488.2	clay, residual clay/very weathered shale	37.0	7000000		1484.3
			81.5	1487.2	weathered shale				
			83.5	1485.2	shale, green to gray, silty, limy	70.0	2.32E+07		1481.7
			86.2	1482.5	shale, maroon w/ olive mottling, limy				
			87.9	1480.8	shale, maroon w/ olive mottling, fissile				
				1475		39.0	1.41E+07		1475.4
				1470		91.0	2.78E+07		1471.7
			94.9	1473.8	shale, maroon w/ olive mottling, silty				
				1465		65.0	2.32E+07		1468.0
				1460		53.0	2.36E+07		1465.2
				1455					
			111.6	1457.1	shale, red w/ green gray mottling	3.8	221000		1456.5
			112.9	1455.8					

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T.D. = 112.9



DEPARTMENT OF TRANSPORTATION

RTE./CO.	K-14 / Kingman	SOUNDING NO.	CH01	SHEET 2 of 2
		PROJ. NO.	14-48 KA-3877-01	BRIDGE NO. 14-48-14.32 (116)
SITE NAME			K-14 over Hunter Creek	
			HOLE STA. 576+31, 24.0' Rt CL	

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	SPT BLOW COUNT Hammer Cor. Factor: N ₆₀	ELEVATION																																																																					
					<table border="1"> <thead> <tr> <th>Core</th> <th>Depth</th> <th>Elev.</th> <th>Cut</th> <th>Rec</th> <th>Rec %</th> <th>RQD</th> </tr> </thead> <tbody> <tr><td>1</td><td>83.5</td><td>1485.2</td><td>4.4</td><td>3.6</td><td>82</td><td>66%</td></tr> <tr><td>2</td><td>87.9</td><td>1480.8</td><td>5.0</td><td>5.0</td><td>100</td><td>0%</td></tr> <tr><td>3</td><td>92.9</td><td>1475.8</td><td>2.0</td><td>1.5</td><td>75</td><td>25%</td></tr> <tr><td>4</td><td>94.9</td><td>1473.8</td><td>3.5</td><td>3.5</td><td>100</td><td>86%</td></tr> <tr><td>5</td><td>98.4</td><td>1470.3</td><td>1.5</td><td>1.5</td><td>100</td><td>53%</td></tr> <tr><td>6</td><td>99.9</td><td>1468.8</td><td>3.0</td><td>2.9</td><td>97</td><td>93%</td></tr> <tr><td>7</td><td>102.9</td><td>1465.8</td><td>5.0</td><td>5.0</td><td>100</td><td>80%</td></tr> <tr><td>8</td><td>107.9</td><td>1460.8</td><td>5.0</td><td>5.0</td><td>100</td><td>50%</td></tr> <tr> <td>Total</td> <td>112.9</td> <td>1455.8</td> <td>29.4</td> <td>28.0</td> <td>95</td> <td>56%</td> </tr> </tbody> </table> <p>Box 1: 83.5' - 97' Box 2: 97' - 108.6' Box 3: 108.6' - 112.9'</p>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	83.5	1485.2	4.4	3.6	82	66%	2	87.9	1480.8	5.0	5.0	100	0%	3	92.9	1475.8	2.0	1.5	75	25%	4	94.9	1473.8	3.5	3.5	100	86%	5	98.4	1470.3	1.5	1.5	100	53%	6	99.9	1468.8	3.0	2.9	97	93%	7	102.9	1465.8	5.0	5.0	100	80%	8	107.9	1460.8	5.0	5.0	100	50%	Total	112.9	1455.8	29.4	28.0	95	56%			
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