		BORING NO. B-1
	880	STA. 25+14.13, 78' RT. CL SURVEY X = 2,221,089,4867 Y = 421,140,9507 DATE DRIU ED: 8-712-2015
	000	0 B712 BREELED 0 17 2013
		SS; N= 8, 9, 12; 875.30 B B B B B B B B B B B B B
		SS; N= 4, 5, 5; 870.30 869.80 FAN CLAY (CL):
		▼ 13.5' SS: N= 5.4.8: 865.30 Ref 3.0 with gravel
	860	€ 505.50 18 15.01 € 5,7,61 605.50 18 SILTY SAND (SM): 15.01 € 24 HRS.
	_ 000	SS; N= 1, 2, 4; 860.30 860.30 EAN CLAY WITH SAND (CL): brown, moist to wet, soft
		SS; N= 4, 3, 4; 855.30 855.30 <u>SANDY LEAN CLAY (CL):</u>
		moist to wet, soft SS; N= 11, 9, 11; 850.30 SILTY SAND WITH GRAVEL (SM):
		SS; N= 6, 10, 13; 845.30 → 844.80 state 844
	840	SS; N= 9, 12, 17; 843.80 3 (1) (1) (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2
		SS; N= 9, 12, 15; 838.00 SS; N= 9, 12, 15; 838.00 SS; N= 8, 11, 15; 837.30 SS; N= 8, 15; 15; 15; 15; 15; 15; 15; 15; 15; 15;
		SS; N= 8, 12, 17; 835.30
		SS: № 12, 17, 23; 632.30 HIGHLY WEATHERED SHALE TRACE GRAVEL: SS: № 12, 15, 20; 830.30 Grav trace orangish brown, moist to wet, SS: № 16, 18, 23; 898 80. So to moderately hard
		SS; N= 13, 17, 22; 827.30
	820	SS: N= 21 24 34: 920 30
		SS; N= 18, 25, 26; 815.30
		SS; N- 17, 28, 46; 810.30 70 TOP OF COMPETENT ROCK
GEOLOGIC STATEMENT		SS: N= 19, 37, 50/4.13; 805.30 TCP= 50/4, 50/3.5; 803.80
ACCORDING TO THE "ENGINEERING CLASSIFICATION OF GEOLOGIC MATERIALS - DIVISION SEVEN" FROM THE OKLAHOMA HIGHWAY DEPARTMENT, 1968, THE BRIDGE LOCATION APPEARS TO BE LOCATED WITHIN THE UNIT CONSTRUCTION OF THE VALUE LINE OF THE MOODED UNIT CONSTRUCTION	800	
ALLOVIUM (QAS), THE VANUES UNIT (IFV), AND THE WOODFORD DUTIT (MDW). THE FOLLOWING IS A SUMMARY OF THE INFORMATION PROVIDED IN THE REFERENCED DOCUMENT.		TCP- 50/3.19, 50/2; 798.80
ALLUVIUM (QAS): THESE ARE DEPOSITS OF SAND, SILT, CLAY, GRAVEL, AND/OR COMBINATIONS OF MATERIALS. ALLUVIUM IS FOUND ALONG THE FLOOD PLAINS (BOTTOM LAND) OF STREAMS AND IS NORMALLY PRESENT AT PLACES ALONG ALL STREAMS.		TCP= 50/2.63, 50/3; 793.80 dark gray, very soft hardness increasing below 80.0 feet
VANOSS UNIT (IPV): THIS UNIT CONSISTS OF ALTERNATING MODERATELY SOFT TO MODERATELY HARD SANDSTONES, CONGLOMERATES, SHALES, AND A FEW THIN LIMESTONES. THE SHALES ARE MULTICOLORED		TCP= 50/4.13, 50/4.13; 788.80 🤐 soft, trace gravelbelow 85.0 feet
AND RESEMBLE THOSE OF THE UNDERLYING ADA UNIT. IN THE OUTCROP AREA ADJACENT TO THE ARBUCKLE MOUNTAINS AND NORTHWARD TO ABOUT THE MIDDLE OF SEMINOLE COUNTY, THE SANDSTONES AND CONGLOMERATES ARE THICKER AND LOCALLY ARKOSIC. COMMONLY, THE BASE OF		TCP= 50/1.75, 50/1.56; 783.80 -
THE UNIT IS REFERRED TO AS THE LOWEST OF THE ARKOSIC BEDS, BUT THIS IS ONLY TRUE IN THE SOUTHERN PART OF THE UNIT'S OUTCROP AREA. AS FAR NORTH AS LITTLE RIVER, SEMINOLE COUNTY, THE BASE OF THE VANOSS UNIT IS THE FIRST, PERSISTENT, NON-LIMESTONE CONGLOMERATE BED	780	TCP- 50/1.63, 50/1.44; 778.80
ABOVE THE BASE OF THE ADA UNIT. NORTH OF LITTLE RIVER, A CONTINUOUS SANDSTONE HORIZON MARKS THE BASE.		hard to very hard below 105.0 feet
A BASAL LIMESTONE CONGLOMERATE MEMBER IS PROMINENT IN MURRAY COUNTY ADJACENT TO THE ARBUCKLE MOUNTAINS. IT IS MAPPED AND DESCRIBED SEPARATELY FROM THE VANOSS UNIT AS THE VANOSS CONGLOMERATE SUBUNIT (IPVC).		772.60
NEAR THE ARBUCKLE MOUNTAINS THE TOTAL THICKNESS OF THE VANOSS UNIT IS 1,550 FEET WITH		
IN SOUTHERN PONTOTOC COUNTY TO 250 FEET NEAR KONOWA, SEMINOLE COUNTY THE THICKNESS OF THE UNIT IS IRREGULAR IN SEMINOLE COUNTY AND VARIES FROM 140 TO 500 FEET, THICKENING SOUTHWARD	760	
THE VANOSS UNIT OUTCROPS IN A TWO TO TEN MILE WIDE BAND AROUND THE NORTHERN AND		
UNIT OUTCROPS IN A TWO TO SEVEN MILE WIDE, NORTH-SOUTH, STRIP ACROSS WESTERN PONTOTOC AND SEMINOLE COUNTIES AND THE EASTERN EDGE OF POTTAWATOME COUNTY. NORTH OF THE NORTH CANADIAN DIVED IN OVELISEE AND NOBTLEASTED POTTAWATOME COUNTY. NORTH OF THE		
VANOSA UNIT ARE INSEPARABLE FROM STRATA OF THE UNDERLYING ADA UNIT AND CONSEQUENTLY THE TWO ARE MAPPED TOGETHER AS THE VANOSS-ADA UNIT (IPVA).		<u>NOTE:</u>
TOPOGRAPHICALLY, THE UNIT IS GENTLY ROLLING TO ROLLING WITH THE MORE ROLLING TOPOGRAPHY PROMINENT WHERE THE SANDSTONES AND CONGLOMERATES ARE THICKER.		ALL GEOTECHNICAL INFORMATION CONTAINED ON THIS SHEET IS COVERED BY THE ENGINEERING SEAL AFFIXED TO AN ORIGINAL GEOTECHNICAL REPORT THAT HAS BEEN STAMPED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN OKLAHOMA. TO OBTAIN A COPY OF THE COMPLETE
WOODFORD UNIT (MDW): THIS UNIT CONSISTS DOMINANTLY OF THICK, PLATY SILICEOUS SHALES AND SILTSTONE WITH COLORS VARYING FROM WHITE, YELLOW, ORANGE, AND BROWN. THIN BEDS OF CHERT ARE NUMERCILS. THE TOTAL THICKNESS OF THE UNIT VARIES FROM 285 TO 425 FEFT	740	REPORT, CONTACT THE ODOT OFFICE ENGINEER AT (405) 522-0972. THE CONTRACTOR SHOULD BE FULLY AWARE OF THE SITE CONDITIONS PRIOR TO BEGINNING WORK. ANY ADDITIONAL GEOTECHNICAL INFORMATION WHICH MAY BE DESIRED IS THE RESPONSIBILITY OF THE
THE UNIT IS MAPPED IN THE ARBUCKLE MOUNTAINS IN MURRAY COUNTY OF DIVISION 3 WHERE OUTCRODES ARE READE BUT IN JOHNSTON COLO AND CONTOTOC COUNTY OF DIVISION 3 WHERE		CONTRACTOR.
PATTERN IS MAPPED UNDIFFERENTIATED FROM THE UNDERLYING HUNTON UNIT AS THE WOODFORD-HUNTON UNIT (MDSW).		NOTE:
TOPOGRAPHICALLY, THE UNIT FORMS HUMMOCKS OR MOUNDS WITH THIN GRAVELLY SOILS. OAK, BOIS D'ARC, AND SPARSE GRASS ARE THE MAJOR VEGETATION.		SS - DENOTES STANDARD PENETRATION TEST, ASTM D-1586 (N = BLOWS PER FOOT) TCP - DENOTES TEXAS CONE PENETRATION TEST

