

**SUMMARY OF UNIAXIAL COMPRESSIVE STRENGTH TEST RESULTS**



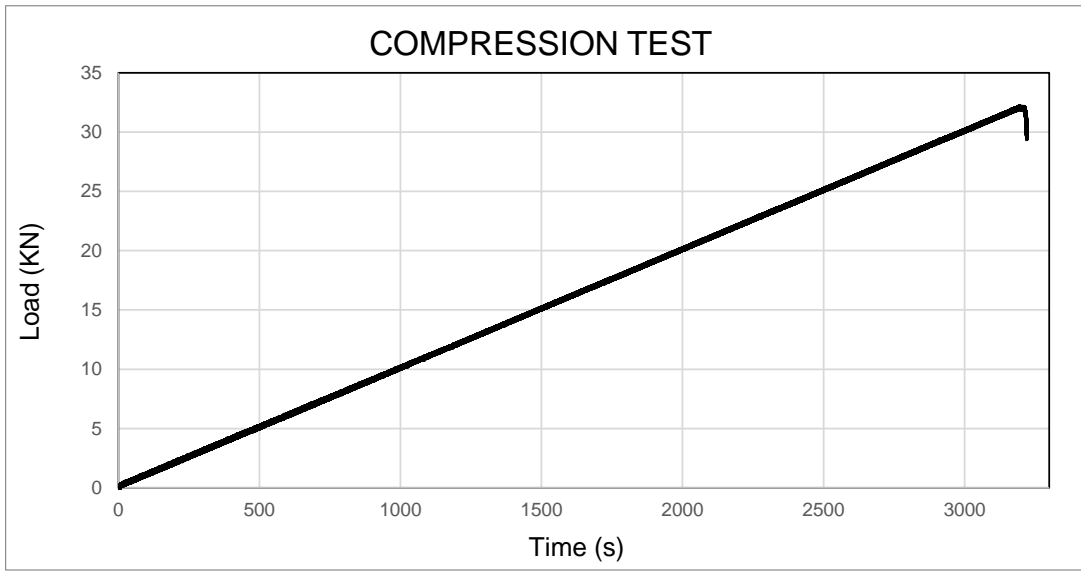
PO Box 30591  
Edmond, OK 73003  
405-562-3328

**PROJECT NAME:** Soil Stabilization Sample Lab Testing  
**CLIENT:** SoilChem

**RRC PROJECT** 20021 \_\_\_\_\_

Boring	Depth	Length	Diameter	L/D	Moisture	Unit Weight	Loading Rate	Un Comp Strength	Un Comp Strength	Correction Factor Applied	Straight	Flat	Perpend
	(ft)	(in)	(in)		%	(pcf)	(KN/sec)	(Mpa)	(psi)				
1226+00	N/A	4.432	3.964	1.12	1.1%	120.0	0.01	4.0	587	N/A	Pass	Pass	Pass
1191+00	N/A	4.508	3.948	1.14	1.8%	118.6	0.03	3.6	521	N/A	Pass	Pass	Pass
1249+00	N/A	4.533	3.953	1.15	0.9%	118.7	0.04	3.1	452	N/A	Pass	Pass	Pass
1251+00	N/A	4.492	3.932	1.14	1.2%	123.9	0.04	5.5	800	N/A	Pass	Pass	Pass

# UC Compressive Strength



<b>Compressive Strength =</b> <b>587</b> <b>psi</b>	<b>Photo After Test</b>
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**Test Conditions**

Procedure S1 - Side Straightness = Pass  
 Procedure FP2 - Flatness = Pass  
 Procedure P2 - Perpendicularity = Pass  
 Load Direction = Vertical  
 Loading Rate = 0.01 KN/sec  
 Time of Failure = 3252.7 seconds  
 Temperature at Testing = 25 °C

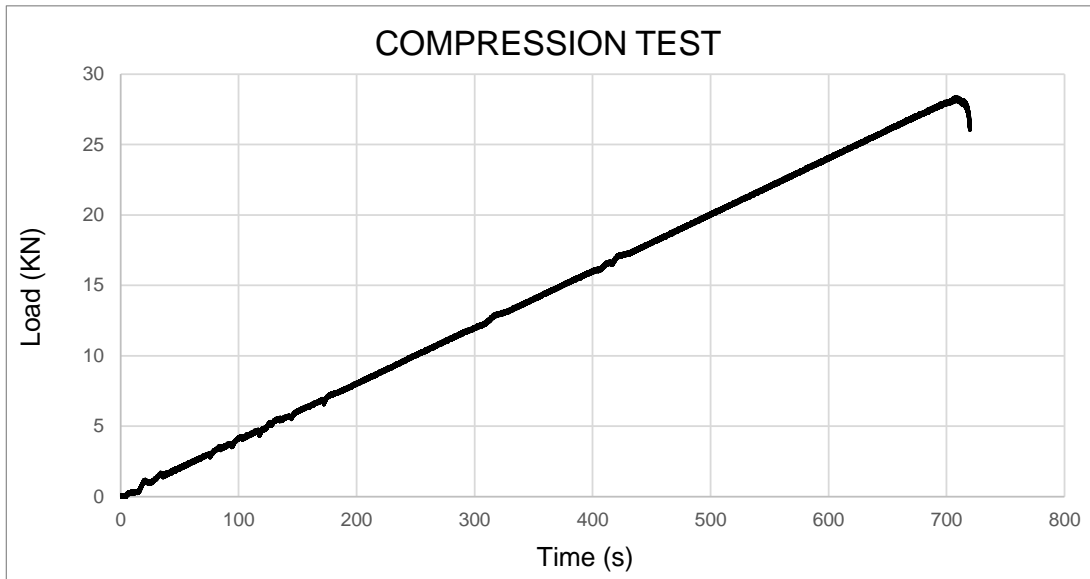
**Equipment Used**

Caliper - General No. 143  
 Feeler Gauge  
 Compression Machine - Besmak BCO-113/3



SAMPLE DATA	PROJECT INFORMATION
SAMPLE LOCATION: 1226+00	PROJECT: Soil Stabilized Sample Lab Testing
SAMPLE DESCRIPTION: Stabilized Soil	LOCATION: Oklahoma
MOISTURE CONTENT: 1.1%	PROJECT NO.: 20021
UNIT WEIGHT (PCF): 120.0	CLIENT: SoilChem
DIAMETER (IN): 3.964	TESTED BY: SAH
LENGTH (IN): 4.432	DATE: 4/17/2020
L/D RATIO: 1.12	<b>RED ROCK</b> <b>CONSULTING</b>

# UC Compressive Strength



**Compressive Strength = 521 psi**

**Photo After Test**

**Test Conditions**

Procedure S1 - Side Straightness = Pass  
 Procedure FP2 - Flatness = Pass  
 Procedure P2 - Perpendicularity = Pass  
 Load Direction = Vertical  
 Loading Rate = 0.04 KN/sec  
 Time of Failure = 727.1 seconds  
 Temperature at Testing = 25 °C

**Equipment Used**

Caliper - General No. 143  
 Feeler Gauge  
 Compression Machine - Besmak BCO-113/3



**SAMPLE DATA**

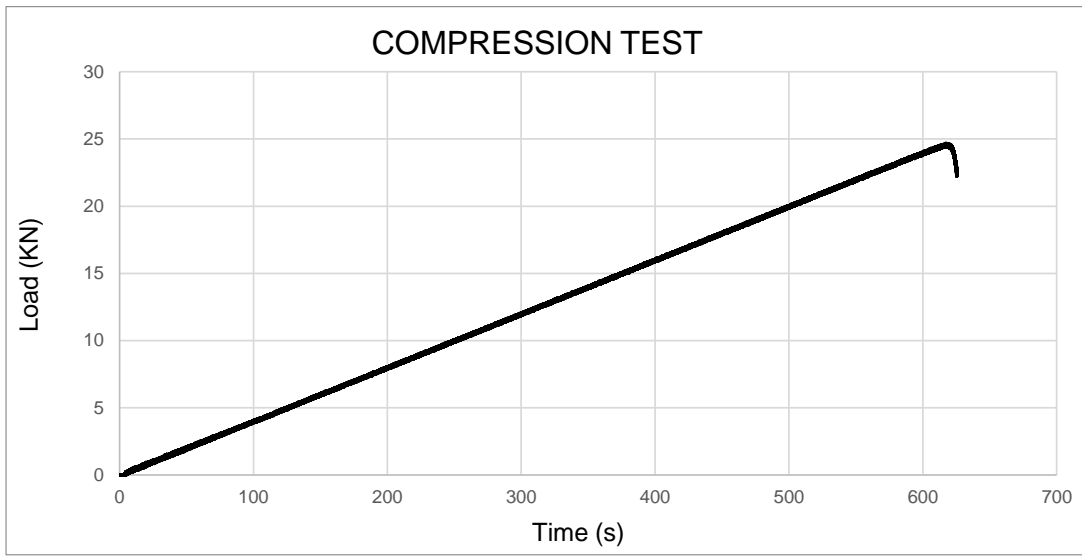
SAMPLE LOCATION: 1191+00  
 SAMPLE DESCRIPTION: Stabilized Soil  
 MOISTURE CONTENT: 1.8%  
 UNIT WEIGHT (PCF): 118.6  
 DIAMETER (IN): 3.948  
 LENGTH (IN): 4.508  
 L/D RATIO: 1.14

**PROJECT INFORMATION**

PROJECT: Soil Stabilized Sample Lab Testing  
 LOCATION: Oklahoma  
 PROJECT NO.: 20021  
 CLIENT: SoilChem  
 TESTED BY: SAH  
 DATE: 4/17/2020

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# UC Compressive Strength



**Compressive Strength = 452 psi**

**Photo After Test**

**Test Conditions**

Procedure S1 - Side Straightness = Pass  
 Procedure FP2 - Flatness = Pass  
 Procedure P2 - Perpendicularity = Pass  
 Load Direction = Vertical  
 Loading Rate = 0.04 KN/sec  
 Time of Failure = 631.7 seconds  
 Temperature at Testing = 25 °C

**Equipment Used**

Caliper - General No. 143  
 Feeler Gauge  
 Compression Machine - Besmak BCO-113/3



**SAMPLE DATA**

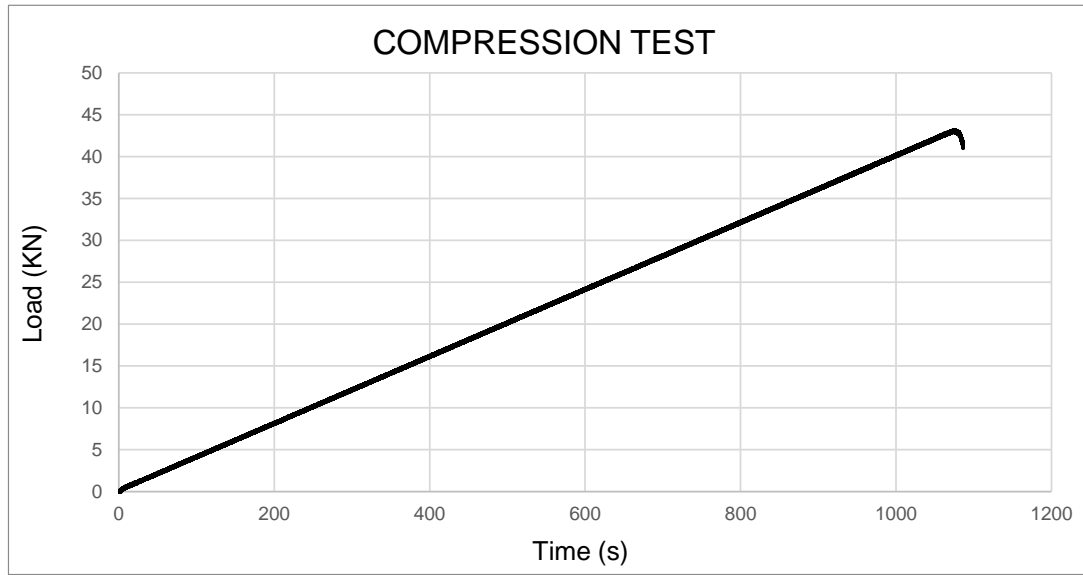
SAMPLE LOCATION: 1249+00  
 SAMPLE DESCRIPTION: Stabilized Soil  
 MOISTURE CONTENT: 0.9%  
 UNIT WEIGHT (PCF): 118.7  
 DIAMETER (IN): 3.953  
 LENGTH (IN): 4.533  
 L/D RATIO: 1.15

**PROJECT INFORMATION**

PROJECT: Soil Stabilized Sample Lab Testing  
 LOCATION: Oklahoma  
 PROJECT NO.: 20021  
 CLIENT: SoilChem  
 TESTED BY: SAH  
 DATE: 4/17/2020

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# UC Compressive Strength



**Compressive Strength = 800 psi**

**Photo After Test**

## Test Conditions

Procedure S1 - Side Straightness = Pass  
 Procedure FP2 - Flatness = Pass  
 Procedure P2 - Perpendicularity = Pass  
 Load Direction = Vertical  
 Loading Rate = 0.04 KN/sec  
 Time of Failure = 1097.2 seconds  
 Temperature at Testing = 25 °C

## Equipment Used

Caliper - General No. 143  
 Feeler Gauge  
 Compression Machine - Besmak BCO-113/3



## SAMPLE DATA

SAMPLE LOCATION: 1251+00  
 SAMPLE DESCRIPTION: Stabilized Soil  
 MOISTURE CONTENT: 1.2%  
 UNIT WEIGHT (PCF): 123.9  
 DIAMETER (IN): 3.932  
 LENGTH (IN): 4.492  
 L/D RATIO: 1.14

## PROJECT INFORMATION

PROJECT: Soil Stabilized Sample Lab Testing  
 LOCATION: Oklahoma  
 PROJECT NO.: 20021  
 CLIENT: SoilChem  
 TESTED BY: SAH  
 DATE: 4/17/2020

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