



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Sam Gary Jr. Associates

**12-2S-36W Rawlins KS**

1515 Wynkoop  
STE 700  
Denver Co. 80202  
ATTN: Clayton Camozzi

**Orten #1-12**

Job Ticket: 62305

**DST#: 1**

Test Start: 2015.02.23 @ 18:22:00

## GENERAL INFORMATION:

Formation: **LKC " J "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:43:10

Time Test Ended: 04:24:40

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 78

**Interval: 4458.00 ft (KB) To 4496.00 ft (KB) (TVD)**

Reference Elevations: 3300.00 ft (KB)

Total Depth: 4829.00 ft (KB) (TVD)

3295.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 6752 Inside**

Press@RunDepth: 101.59 psig @ 4463.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.02.23

End Date:

2015.02.24

Last Calib.: 2015.02.24

Start Time: 18:22:01

End Time:

04:24:40

Time On Btm: 2015.02.23 @ 21:43:00

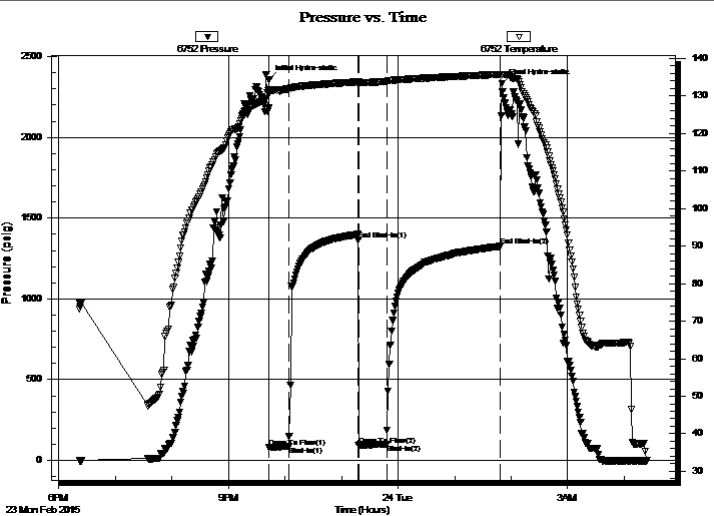
Time Off Btm: 2015.02.24 @ 01:50:00

TEST COMMENT: 20 IF - 1" blow built to 2" (in diesel)

75 ISI - No return

30 FF - 1" blow

120 FSI - No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2360.30	131.51	Initial Hydro-static
1	79.11	130.84	Open To Flow (1)
22	85.21	131.83	Shut-In(1)
95	1364.35	133.71	End Shut-In(1)
95	93.62	133.30	Open To Flow (2)
125	101.59	133.88	Shut-In(2)
246	1326.21	135.72	End Shut-In(2)
247	2335.08	135.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
130.00	Mud - 100%M	0.64

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)







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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 7.60 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Mud - 100%M	0.639

Total Length: 130.00 ft      Total Volume: 0.639 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

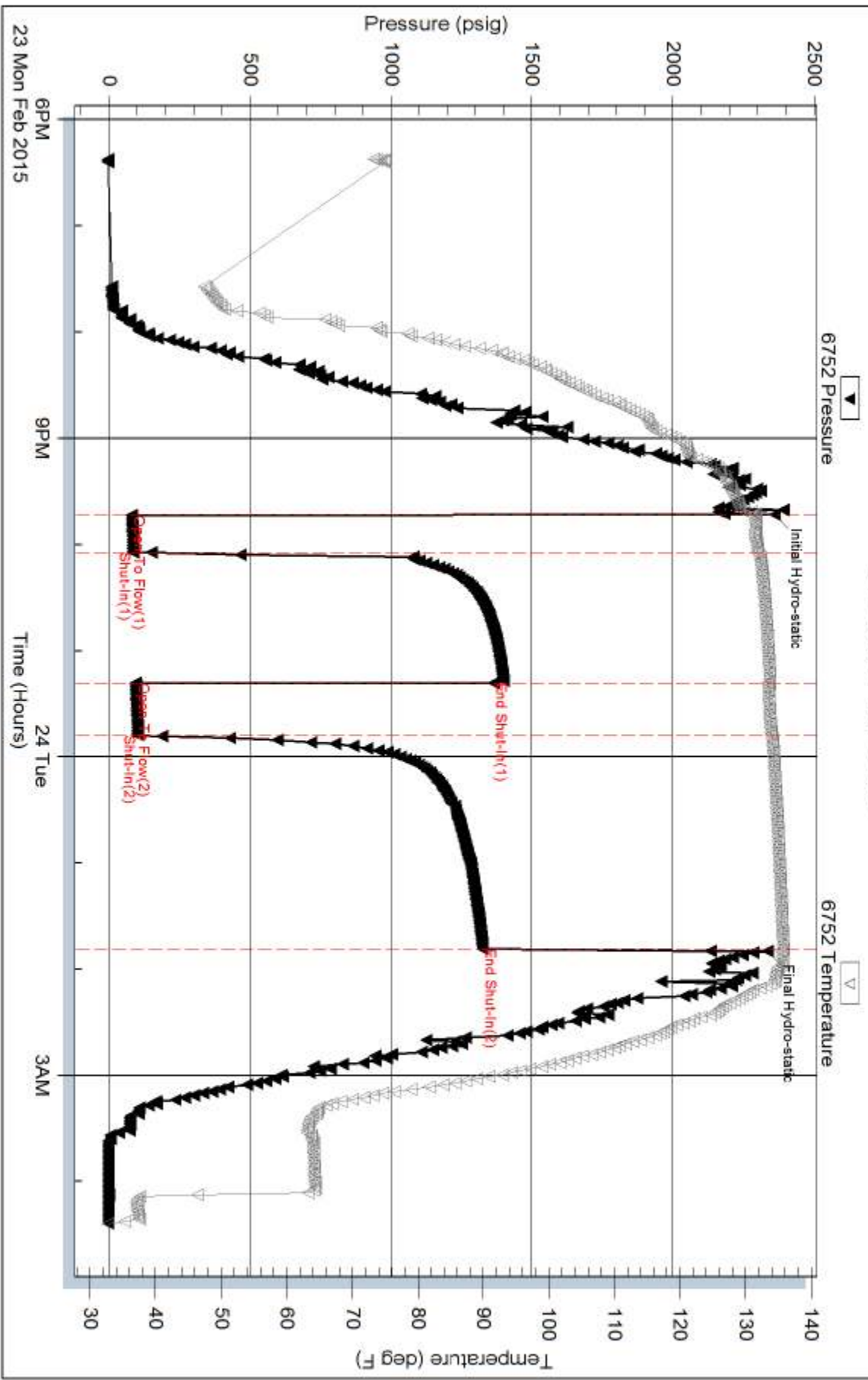
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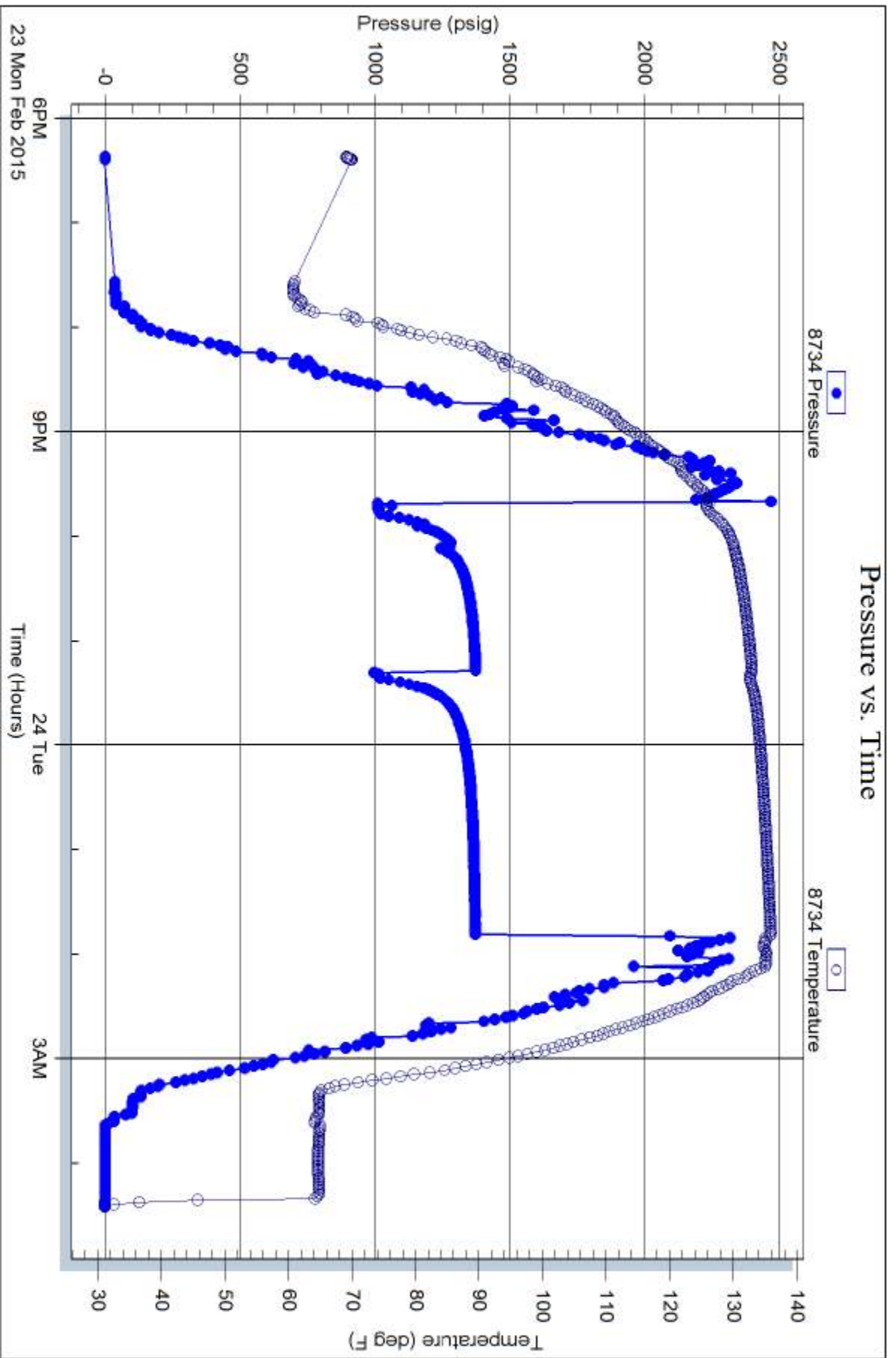
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





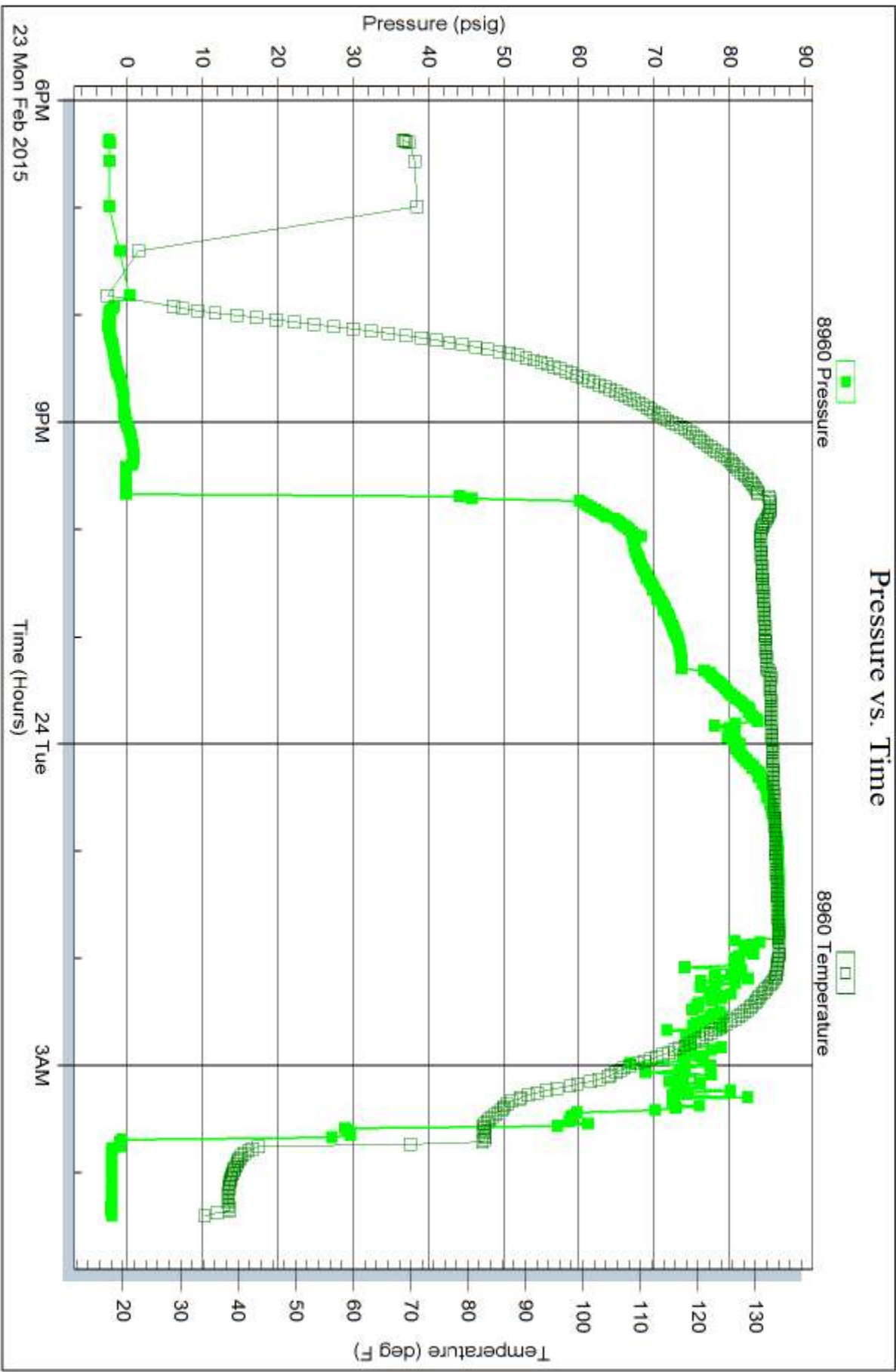
Serial #: 8960

Fluid

Sam Gary Jr. Associates

Orten #1-12

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 62305

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