



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Culbreath Oil & Gas Inc.  
 3501 S. Yale  
 Tulsa Ok, 74135  
 ATTN: Anthony Luna

**1-5S-36W Rawlins KS**

**Minney #1-1 "A"**

Job Ticket: 62185      **DST#: 5**  
 Test Start: 2015.06.12 @ 14:22:00

## GENERAL INFORMATION:

Formation: **LKC "K"**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 16:50:15  
 Tester: James Winder  
 Time Test Ended: 22:08:45  
 Unit No: 83  
**Interval: 4236.00 ft (KB) To 4274.00 ft (KB) (TVD)**  
 Reference Elevations: 3145.00 ft (KB)  
 Total Depth: 4805.00 ft (KB) (TVD)      3140.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GR/CF: 5.00 ft

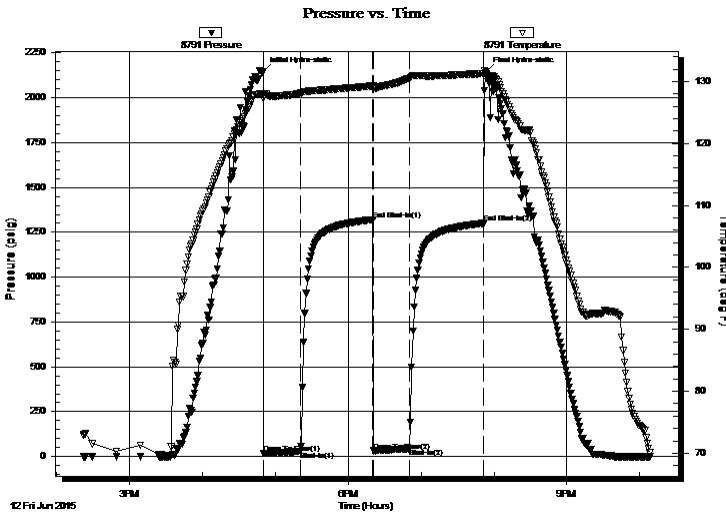
## Serial #: 8791

Inside

Press @ Run Depth: 43.76 psig @ 4237.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.06.12      End Date: 2015.06.12      Last Calib.: 2015.06.12  
 Start Time: 14:22:05      End Time: 22:08:44      Time On Btm: 2015.06.12 @ 16:50:00  
 Time Off Btm: 2015.06.12 @ 19:53:45

**TEST COMMENT:** 30 - IF: 1/4" Blow at open, built to 1 1/2"  
 60 - IS: No blow back  
 30 - FF: No blow  
 60 - FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2147.15	127.98	Initial Hydro-static
1	16.93	127.28	Open To Flow (1)
31	29.59	128.06	Shut-In(1)
91	1320.43	129.29	End Shut-In(1)
91	31.81	128.85	Open To Flow (2)
121	43.76	130.52	Shut-In(2)
182	1301.01	131.27	End Shut-In(2)
184	2144.90	130.93	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
61.00	Mud 100%	0.30
0.00	trace of oil in tool	0.00

\* Recovery from multiple tests

## Gas Rates

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





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**FLUID SUMMARY**

Culbreath Oil & Gas Inc.

**1-5S-36W Rawlins KS**

3501 S. Yale  
Tulsa Ok, 74135

**Minney #1-1"A"**

Job Ticket: 62185

**DST#: 5**

ATTN: Anthony Luna

Test Start: 2015.06.12 @ 14:22:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	Mud 100%	0.300
0.00	trace of oil in tool	0.000

Total Length: 61.00 ft      Total Volume: 0.300 bbl

Num Fluid Samples: 0

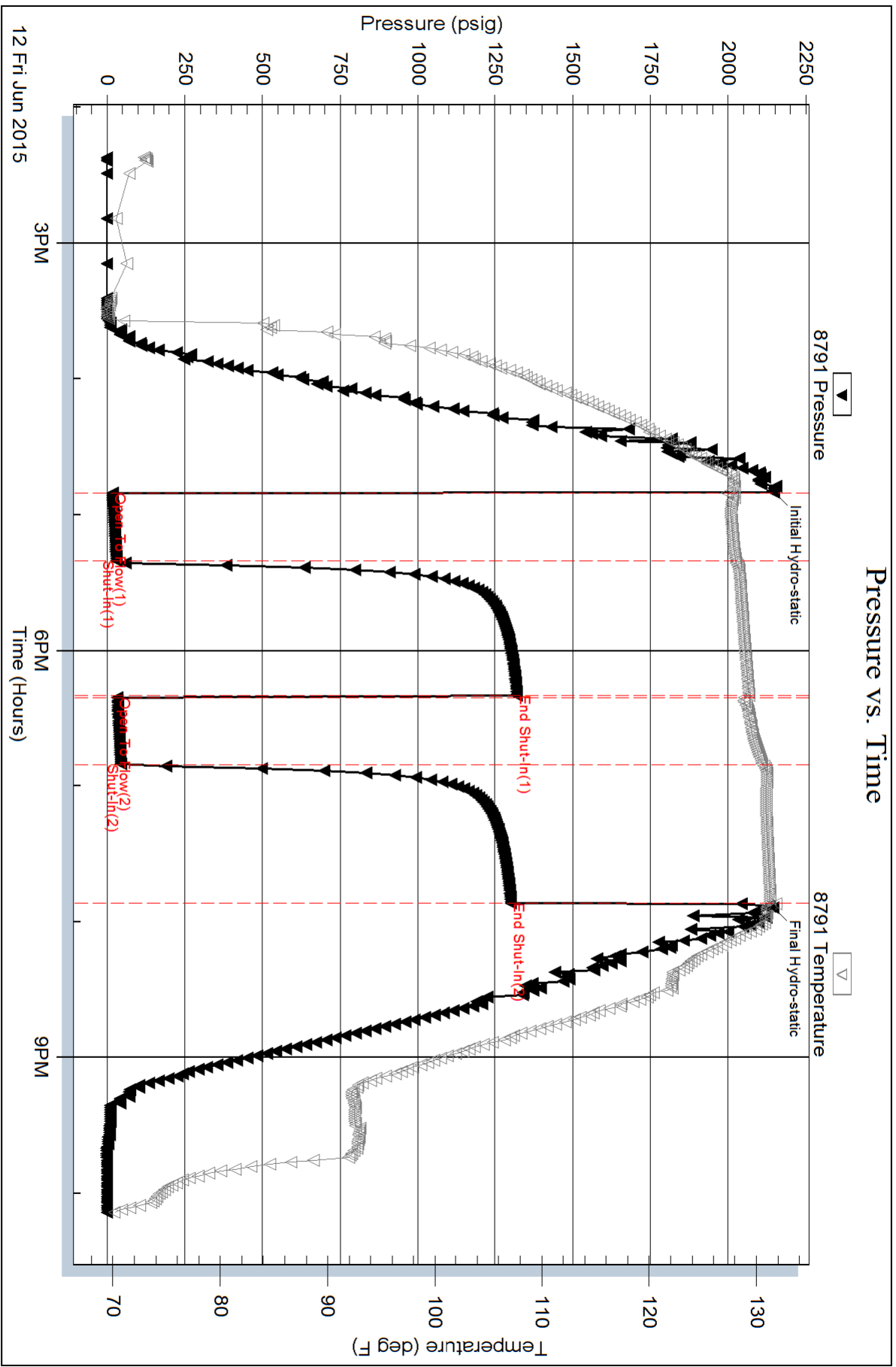
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8320

Below (Strathgath Oil & Gas Inc.

Minney #1-1"A"

DST Test Number: 5

