



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Assoc. Inc.

**6-2S-36W - Rawlins, KS**

1515 Wynkoop STE 700  
Denver, CO, 80202

**Krueger Trust #3-6**

Job Ticket: 62234

**DST#: 2**

ATTN: Christopher Mitchell

Test Start: 2015.04.27 @ 18:42:00

## GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:08:30

Time Test Ended: 03:25:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

**Interval: 4362.00 ft (KB) To 4406.00 ft (KB) (TVD)**

Reference Elevations: 3314.00 ft (KB)

Total Depth: 4406.00 ft (KB) (TVD)

3309.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8874 Inside**

Press@RunDepth: 405.25 psig @ 4363.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.04.27

End Date:

2015.04.28

Last Calib.:

2015.04.28

Start Time: 18:43:00

End Time:

03:25:00

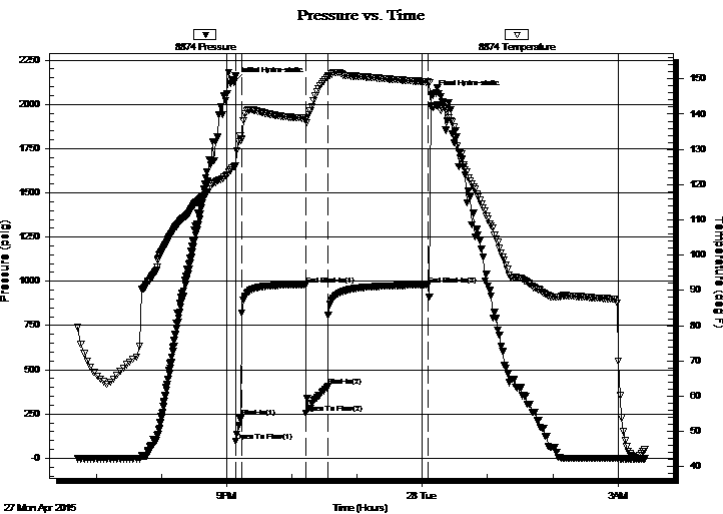
Time On Btm:

2015.04.27 @ 21:07:30

Time Off Btm:

2015.04.28 @ 00:08:30

**TEST COMMENT:** 5 - IF- BoB in 3 min.  
60 - IS- No Return  
20 - FF- BoB in 4 min.  
90 - FS- Surface Return started at 7 min. Died at 40 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2127.03	125.14	Initial Hydro-static
1	96.43	125.41	Open To Flow (1)
6	230.86	132.64	Shut-In(1)
65	981.97	138.83	End Shut-In(1)
66	253.34	138.42	Open To Flow (2)
86	405.25	150.51	Shut-In(2)
178	980.34	149.10	End Shut-In(2)
181	2053.75	141.97	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCWO 5M 30W 65o	0.30
125.00	GMCWO 20G 5M 10W 65o	0.61
126.00	MCWO 10M 5W 75o	1.77
315.00	GMCO 40G 20M 40o	4.42
302.00	MCO 20M 80o	4.24

## Gas Rates

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



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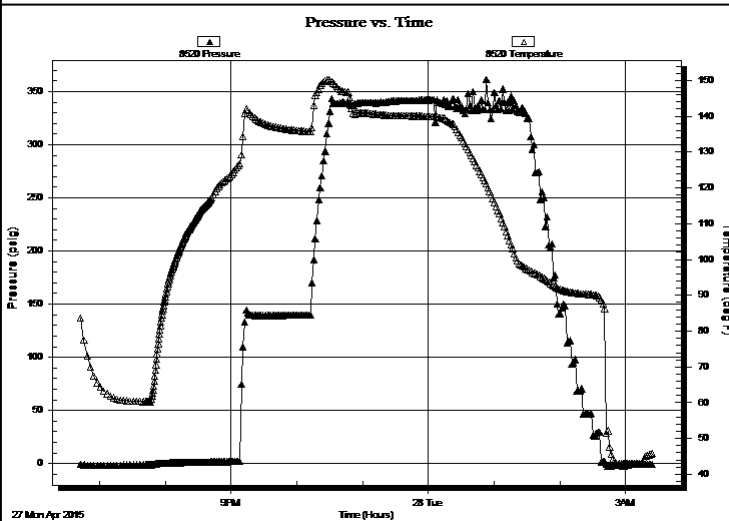
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 Time Test Ended: 03:25:00 Unit No: 82  
**Interval: 4362.00 ft (KB) To 4406.00 ft (KB) (TVD)**  
 Total Depth: 4406.00 ft (KB) (TVD) Reference Elevations: 3314.00 ft (KB)  
 3309.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

### Serial #: 8520

### Fluid

Press@RunDepth: psig @ 4329.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.04.27 End Date: 2015.04.28 Last Calib.: 2015.04.28  
 Start Time: 18:43:00 End Time: 03:25:00 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 5 - IF- BoB in 3 min.  
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### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCWO 5M 30W 65o	0.30
125.00	GMCWO 20G 5M 10W 65o	0.61
126.00	MCWO 10M 5W 75o	1.77
315.00	GMCO 40G 20M 40o	4.42
302.00	MCO 20M 80o	4.24

### Gas Rates

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



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Test Start: 2015.04.27 @ 18:42:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCWO 5M 30W 65o	0.295
125.00	GMCWO 20G 5M 10W 65o	0.615
126.00	MCWO 10M 5W 75o	1.767
315.00	GMCO 40G 20M 40o	4.419
302.00	MCO 20M 80o	4.236

Total Length: 928.00 ft      Total Volume: 11.332 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API = 30 @ 70 deg = 29 corrected

Serial #: 8874

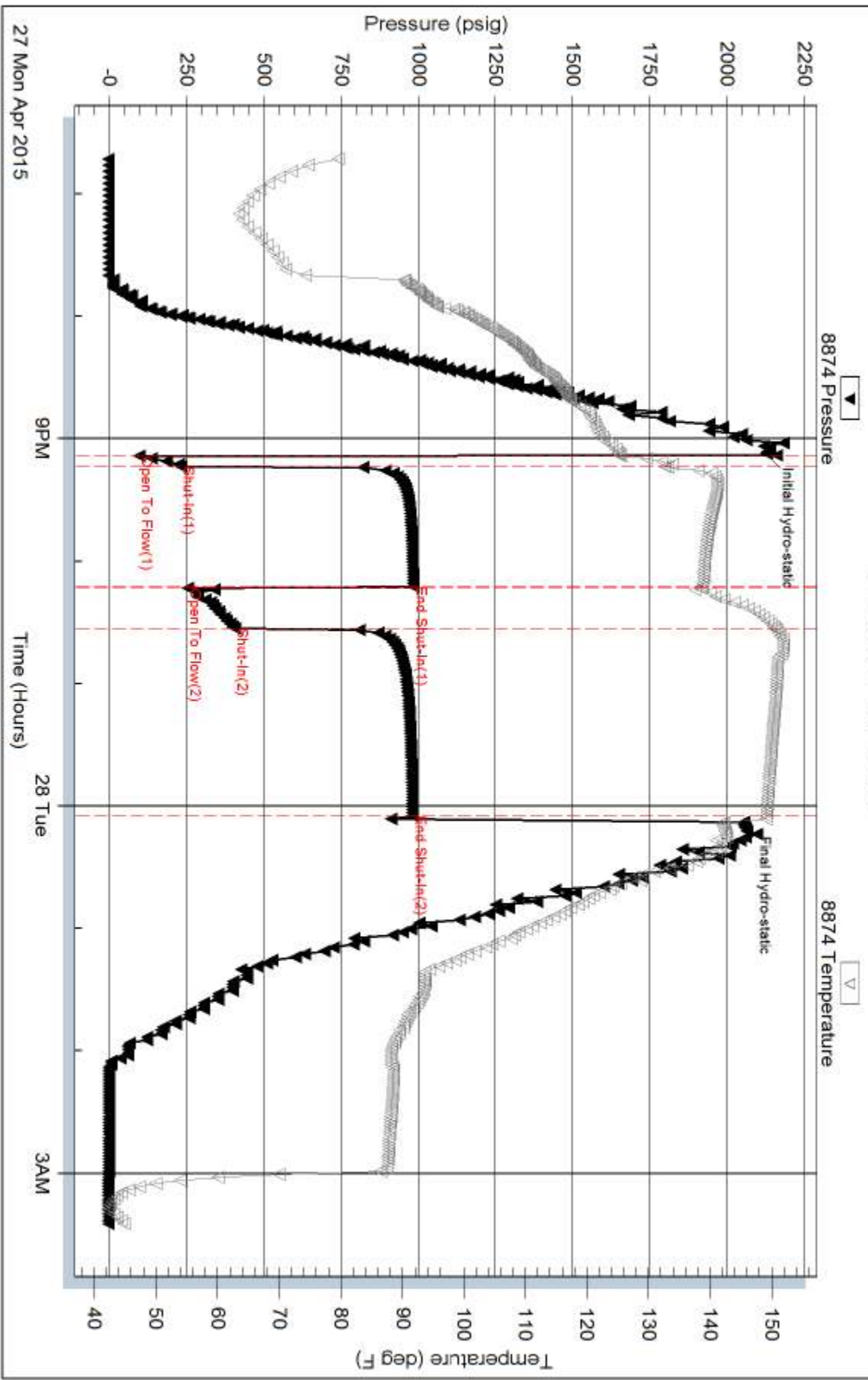
Inside

Samuel Gary Jr. & Assoc. Inc.

Krueger Trust #3-6

DST Test Number: 2

### Pressure vs. Time



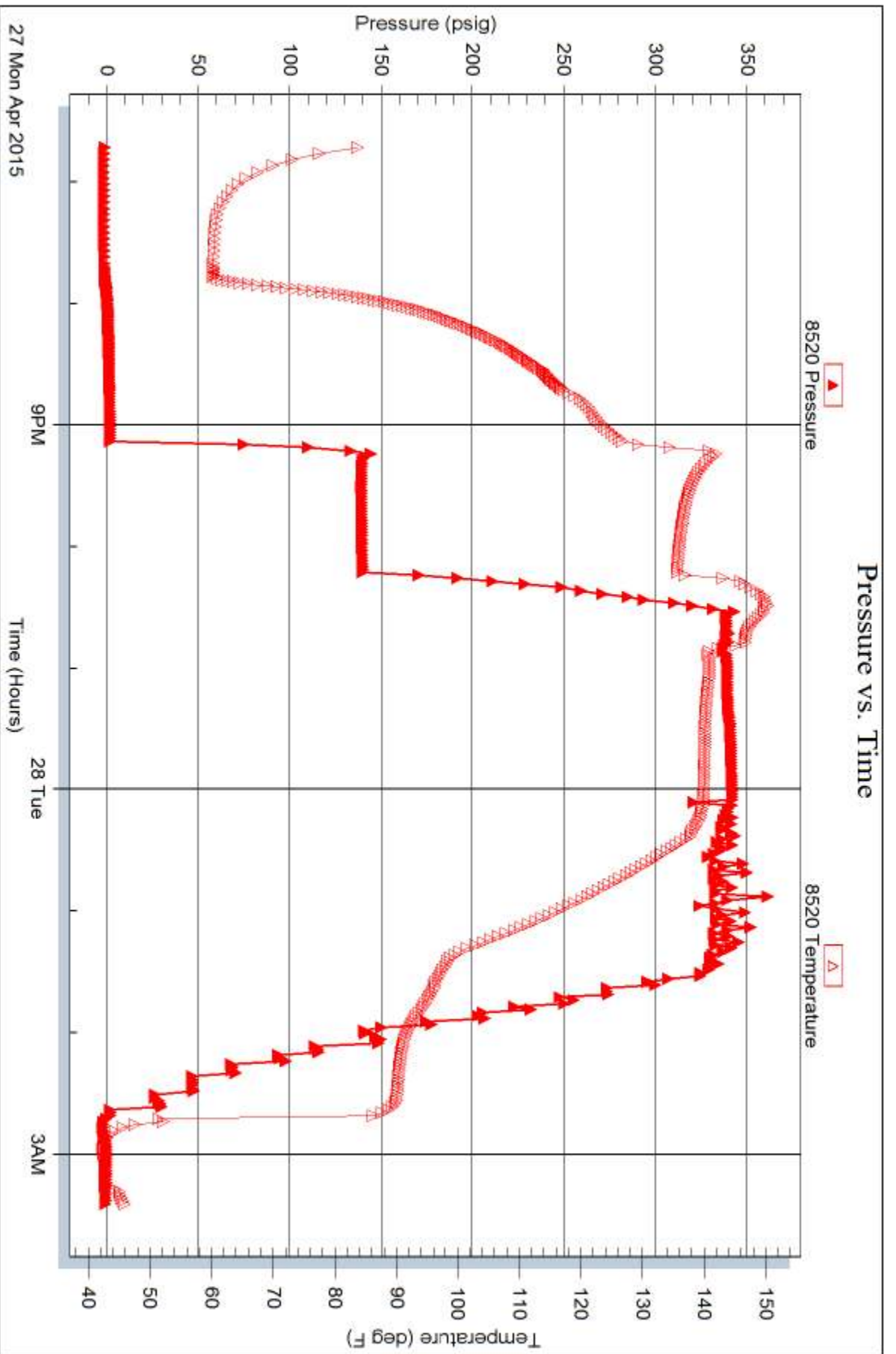
Serial #: 8520

Fluid

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Krueger Trust #3-6

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Ref. No: 62234

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