



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

35/3s/36w Rawlins KS

1515 Wynkoop STE 700
Denver, CO 80202

Fisher Cattle Co1-35

ATTN: Clayton Camozzi

Job Ticket: 60052

DST#: 1

Test Start: 2014.08.01 @ 02:19:00

GENERAL INFORMATION:

Formation: **LKC "B - D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:30:00

Time Test Ended: 11:37:45

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

Interval: 4200.00 ft (KB) To 4262.00 ft (KB) (TVD)

Reference Elevations: 3270.00 ft (KB)

Total Depth: 4262.00 ft (KB) (TVD)

3265.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8671

Inside

Press@RunDepth: 108.58 psig @ 4201.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.01

End Date:

2014.08.01

Last Calib.:

2014.08.01

Start Time:

02:19:05

End Time:

11:37:45

Time On Btm:

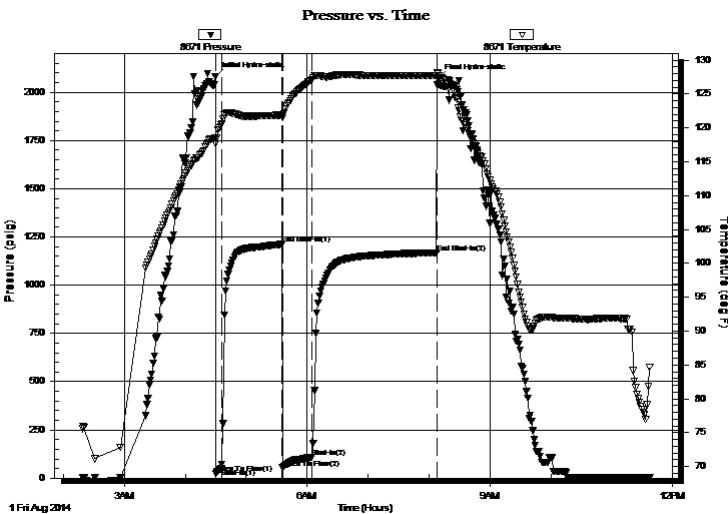
2014.08.01 @ 04:29:45

Time Off Btm:

2014.08.01 @ 08:09:00

TEST COMMENT: 5 - IF: Blow built to 3"
60 - ISI: No blow back
30 - FF: Blow built to BOB (11") at 22 min.
120 - FSI: Blow back built to 2 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2082.09	118.59	Initial Hydro-static
1	23.82	117.62	Open To Flow (1)
6	49.20	120.44	Shut-In(1)
66	1212.07	121.89	End Shut-In(1)
66	52.83	121.51	Open To Flow (2)
96	108.58	127.05	Shut-In(2)
218	1168.72	127.74	End Shut-In(2)
220	2068.30	127.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
128.00	OCM 56% <i>m</i> , 34% <i>o</i> , 10% <i>g</i>	0.63
66.00	MCO 59% <i>o</i> , 36% <i>m</i> , 5% <i>g</i>	0.37
30.00	SMCO 91% <i>o</i> , 5% <i>g</i> , 4% <i>m</i>	0.42

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Clayton Camozzi

Test Start: 2014.08.01 @ 02:19:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26.2 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
128.00	OCM 56% <i>m</i> , 34% <i>o</i> , 10% <i>g</i>	0.629
66.00	MCO 59% <i>o</i> , 36% <i>m</i> , 5% <i>g</i>	0.370
30.00	SMCO 91% <i>o</i> , 5% <i>g</i> , 4% <i>m</i>	0.421

Total Length: 224.00 ft Total Volume: 1.420 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

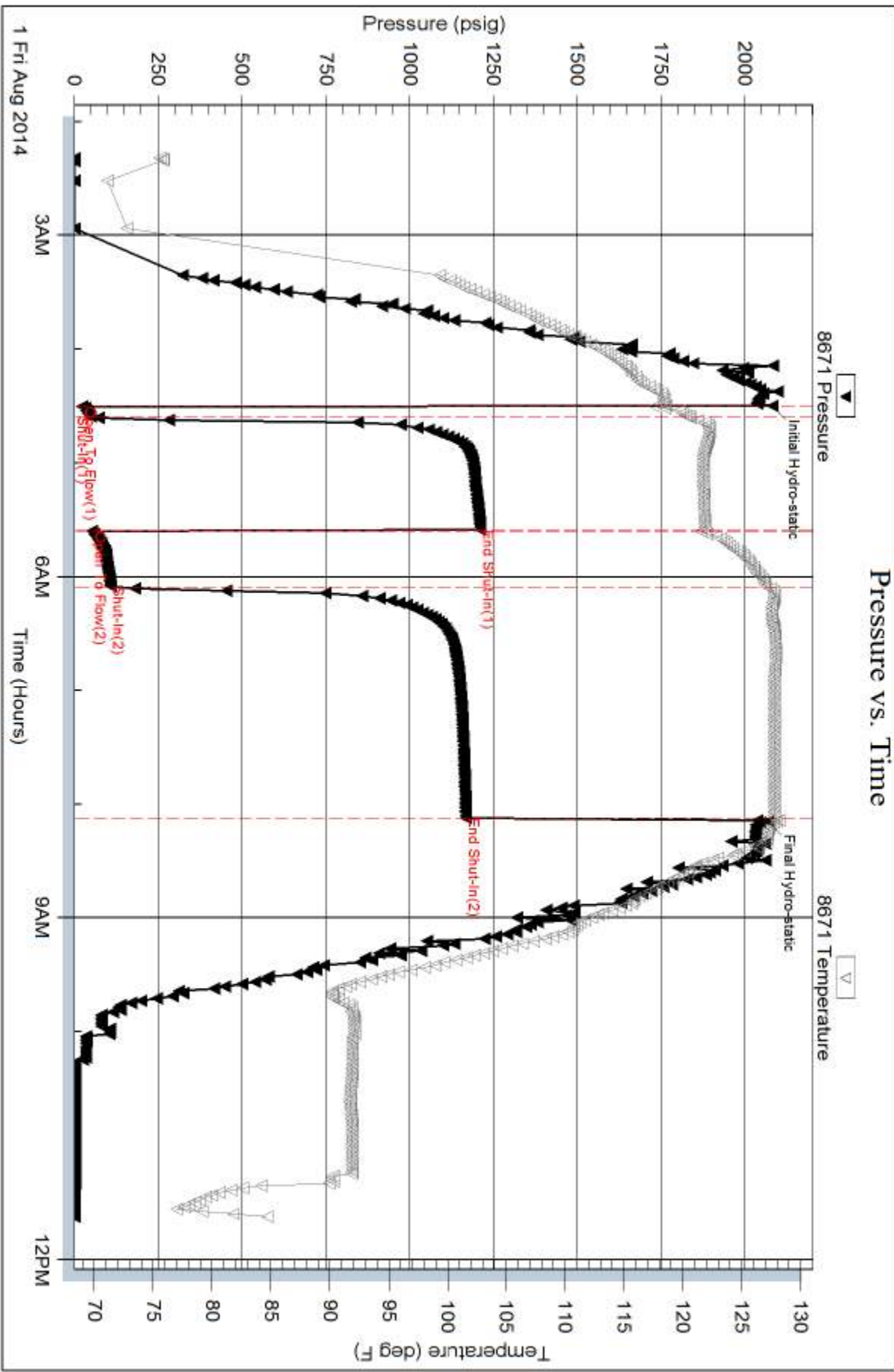
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 30.2 api @ 100 deg F Corrected Gravity = 26.2 api

Sampler = 325 psi 3000 mL Oil 98%*o*, 1%*m*, 1%*g* (after gas broke out - over 5000 mL before)



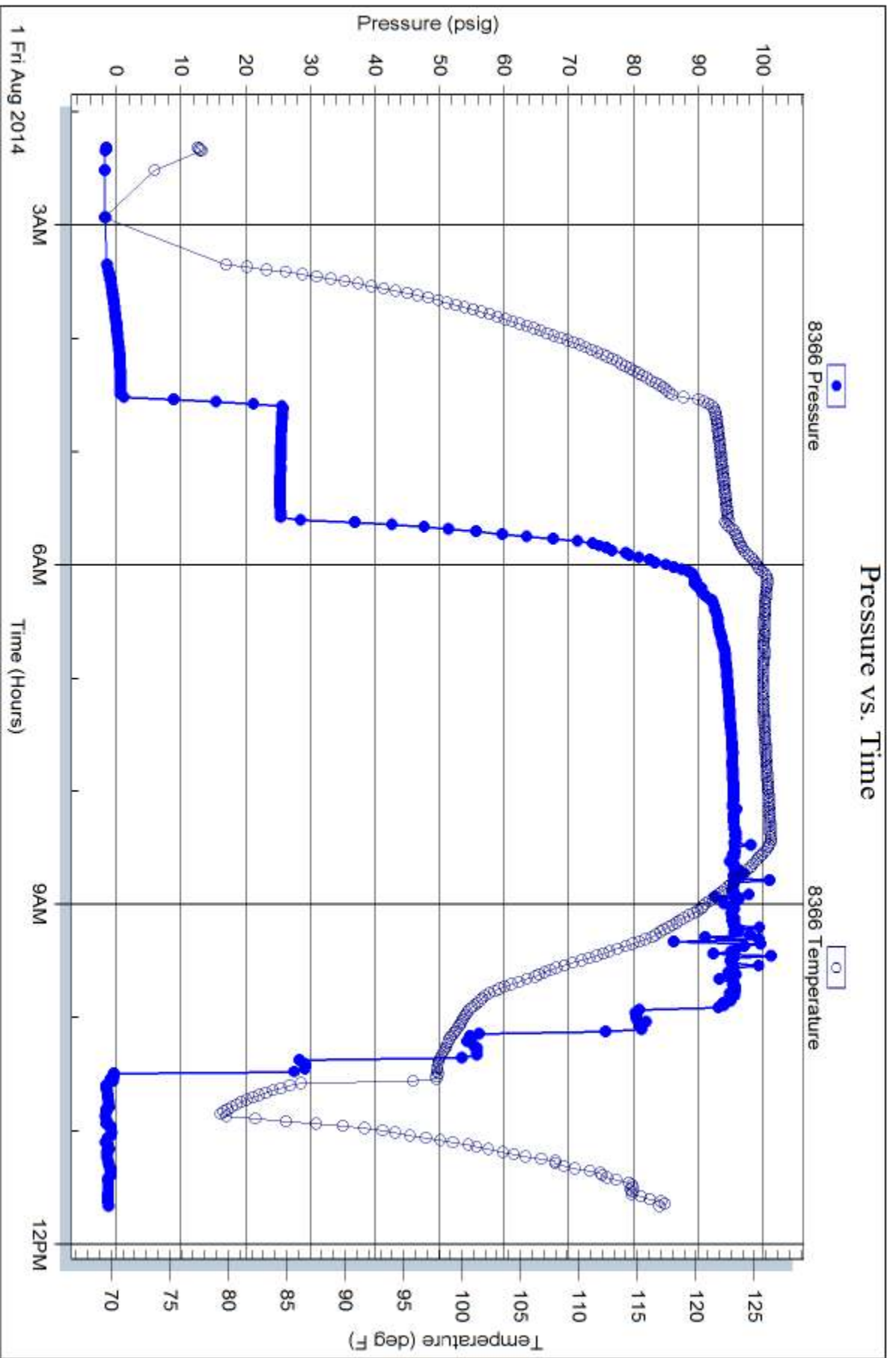
Serial #: 8366

Fluid

Samuel Gary Jr & Associates

Fisher Cattle Co1-35

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 60052

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