



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Indian Oil Co
PO Box 209
Medicine Lodge, KS 67104
ATTN: Aaron Young

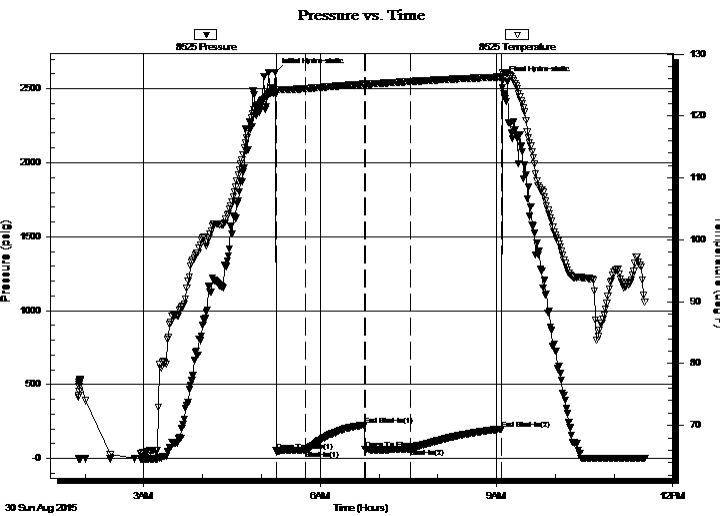
1-35S-13W Barber
Achenbach 40
Job Ticket: 57906 **DST#: 1**
Test Start: 2015.08.30 @ 01:53:18

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:14:48
Time Test Ended: 11:31:33
Interval: 4837.00 ft (KB) To 4855.00 ft (KB) (TVD)
Total Depth: 5420.00 ft (KB) (TVD)
Hole Diameter: 7.97 inches Hole Condition: Good
Test Type: Conventional Straddle (Initial)
Tester: Leal Cason
Unit No: 74
Reference Elevations: 1497.00 ft (KB)
1485.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8525 Inside
Press @ Run Depth: 66.45 psig @ 4838.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.08.30 End Date: 2015.08.30 Last Calib.: 2015.08.30
Start Time: 01:53:19 End Time: 11:31:33 Time On Btm: 2015.08.30 @ 05:13:48
Time Off Btm: 2015.08.30 @ 09:05:48

TEST COMMENT: IF: Weak Blow , Built to 2 inches
IS: No Blow Back
FF: Weak 1/2 inch Blow
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2609.24	123.98	Initial Hydro-static
1	51.17	123.66	Open To Flow (1)
32	57.94	124.41	Shut-In(1)
92	226.11	125.14	End Shut-In(1)
92	61.89	125.09	Open To Flow (2)
139	66.45	125.55	Shut-In(2)
232	199.41	126.30	End Shut-In(2)
232	2552.10	127.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	SGCM 10%G 90%M	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Indian Oil Co
PO Box 209
Medicine Lodge, KS 67104
ATTN: Aaron Young

1-35S-13W Barber
Achenbach 40
Job Ticket: 57906 **DST#: 1**
Test Start: 2015.08.30 @ 01:53:18

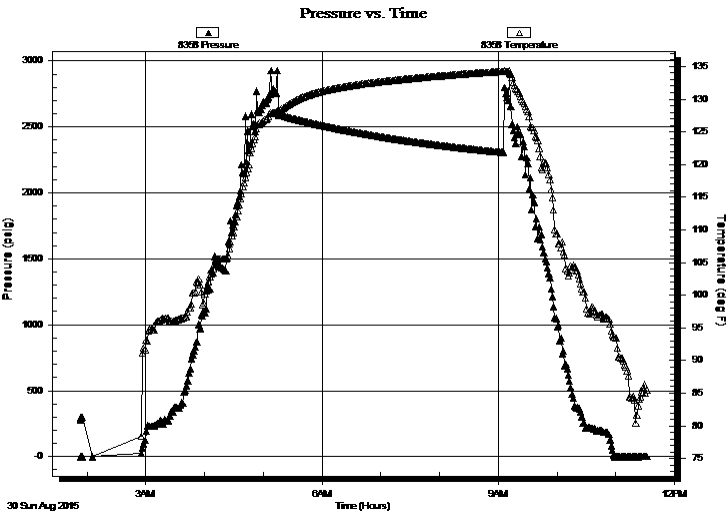
GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:14:48
Time Test Ended: 11:31:33
Interval: **4837.00 ft (KB) To 4855.00 ft (KB) (TVD)**
Total Depth: 5420.00 ft (KB) (TVD)
Hole Diameter: 7.97 inches Hole Condition: Good
Test Type: Conventional Straddle (Initial)
Tester: Leal Cason
Unit No: 74
Reference Elevations: 1497.00 ft (KB)
1485.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8358 Below (Straddle)

Press @ Run Depth: psig @ 4875.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.08.30 End Date: 2015.08.30 Last Calib.: 2015.08.30
Start Time: 01:53:19 End Time: 11:31:48 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak Blow , Built to 2 inches
IS: No Blow Back
FF: Weak 1/2 inch Blow
FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
65.00	SGCM 10%G 90%M	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Indian Oil Co
PO Box 209
Medicine Lodge, KS 67104
ATTN: Aaron Young

1-35S-13W Barber
Achenbach 40
Job Ticket: 57906 **DST#: 1**
Test Start: 2015.08.30 @ 01:53:18

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: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	SGCM 10%G 90%M	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8525

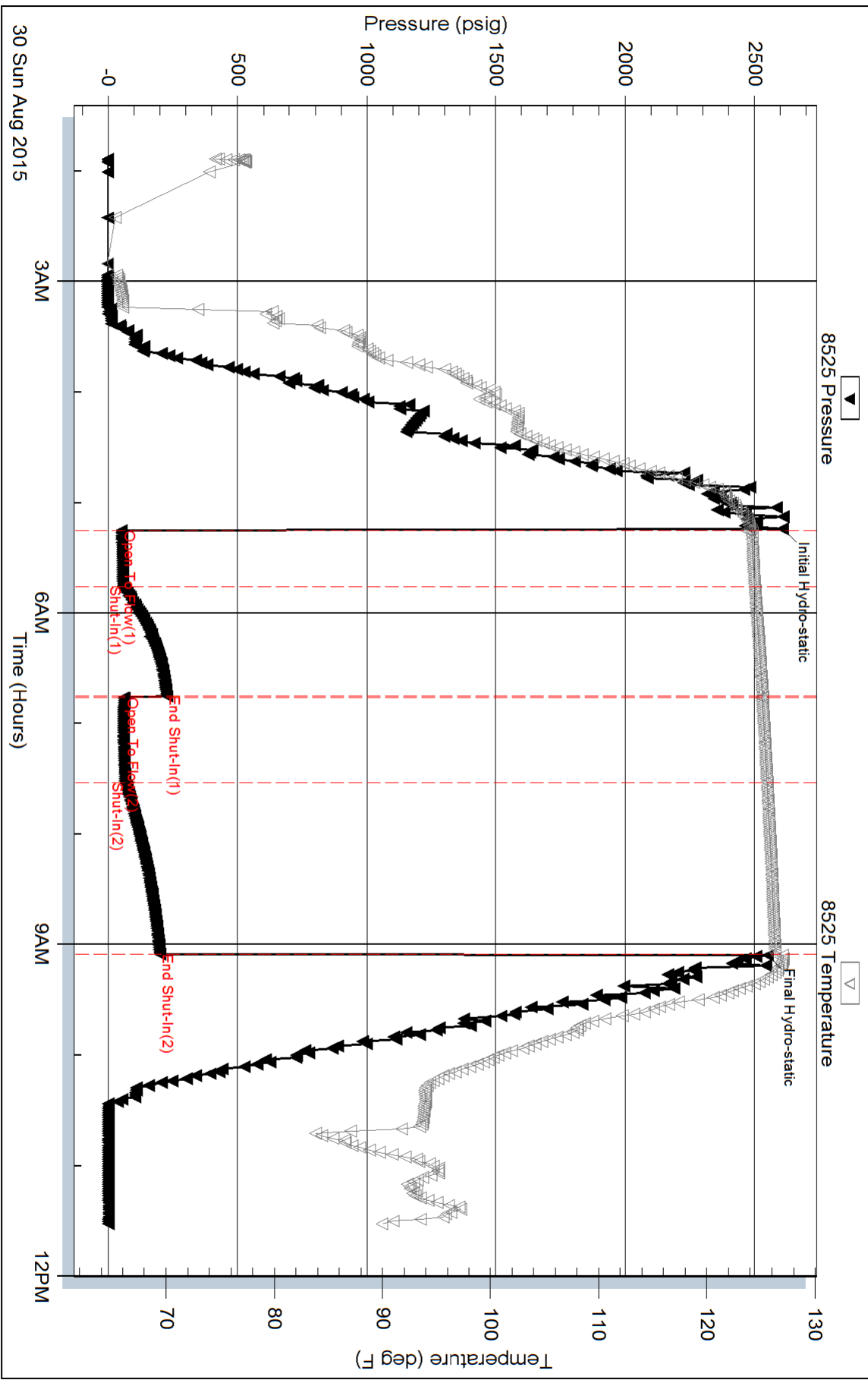
Inside

Indian Oil Co

Achenbach 40

DST Test Number: 1

Pressure vs. Time



Serial #: 8358

Below (Stratthe) Oil Co

Achenbach 40

DST Test Number: 1

