



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Indian Oil Co. Inc  
PO Box 209  
Medicine Lodge, Kansas  
67104+0209  
ATTN: Aaron Young

**5/30S/13W/Barber**

**Bell C #3**

Job Ticket: 65674

**DST#: 1**

Test Start: 2019.06.17 @ 17:03:00

## GENERAL INFORMATION:

Formation: **Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:08:17

Time Test Ended: 00:39:02

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: 72 Pratt/ 38

**Interval: 4304.00 ft (KB) To 4346.00 ft (KB) (TVD)**

Reference Elevations: 1943.00 ft (KB)

Total Depth: 4474.00 ft (KB) (TVD)

1931.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 8365 Inside**

Press@RunDepth: 51.53 psig @ 4304.00 ft (KB)

Capacity: psig

Start Date: 2019.06.17 End Date: 2019.06.18

Last Calib.: 2019.06.18

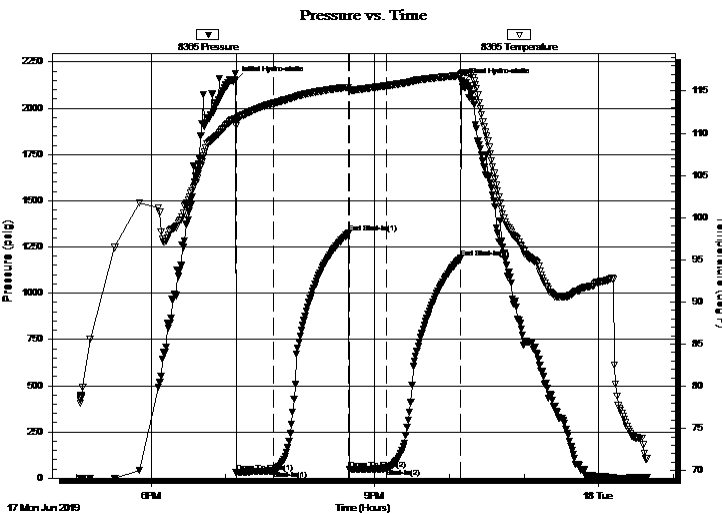
Start Time: 17:03:01 End Time: 00:39:02

Time On Btm: 2019.06.17 @ 19:07:17

Time Off Btm: 2019.06.17 @ 22:10:02

**TEST COMMENT:** IF 30 Minutes/ Blow built to 1 1/4 inch  
ISI 60 Minutes/ No blow back  
FF 30 Minutes/ Few bubbles at open then dead  
FSI 60 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2149.93	111.71	Initial Hydro-static
1	28.75	110.92	Open To Flow (1)
31	41.00	113.57	Shut-In(1)
92	1325.50	115.44	End Shut-In(1)
93	46.99	115.18	Open To Flow (2)
122	51.53	115.63	Shut-In(2)
182	1188.33	116.88	End Shut-In(2)
183	2139.14	117.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud w /skim of oil/ M 100%	0.30

## Gas Rates

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



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Reference Elevations: 1943.00 ft (KB)

Total Depth: 4474.00 ft (KB) (TVD)

1931.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 6755 Outside**

Press@RunDepth: 1187.52 psig @ 4304.00 ft (KB)

Capacity: psig

Start Date: 2019.06.17

End Date: 2019.06.18

Last Calib.: 2019.06.18

Start Time: 17:03:01

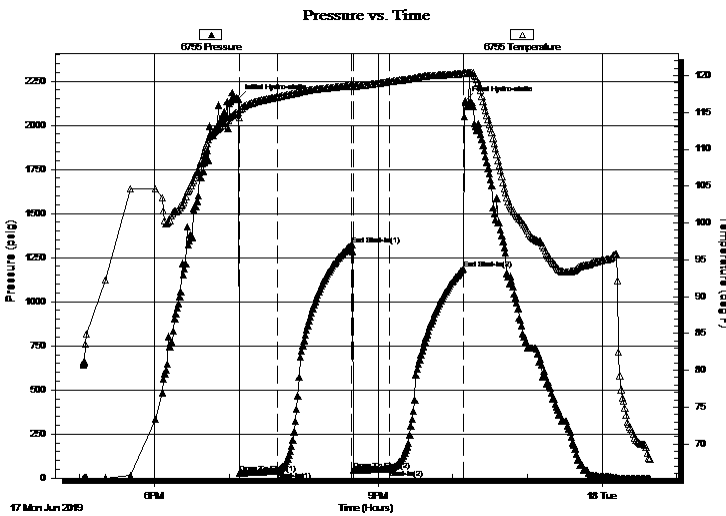
End Time: 00:39:02

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## PRESSURE SUMMARY



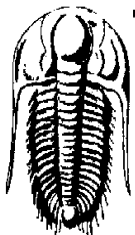
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2148.62	115.00	Initial Hydro-static
1	28.81	114.33	Open To Flow (1)
32	39.47	117.10	Shut-In(1)
92	1324.23	118.65	End Shut-In(1)
93	46.51	118.50	Open To Flow (2)
122	50.79	119.18	Shut-In(2)
182	1187.52	120.28	End Shut-In(2)
183	2138.85	120.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud w /skim of oil/ M 100%	0.30

## Gas Rates

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



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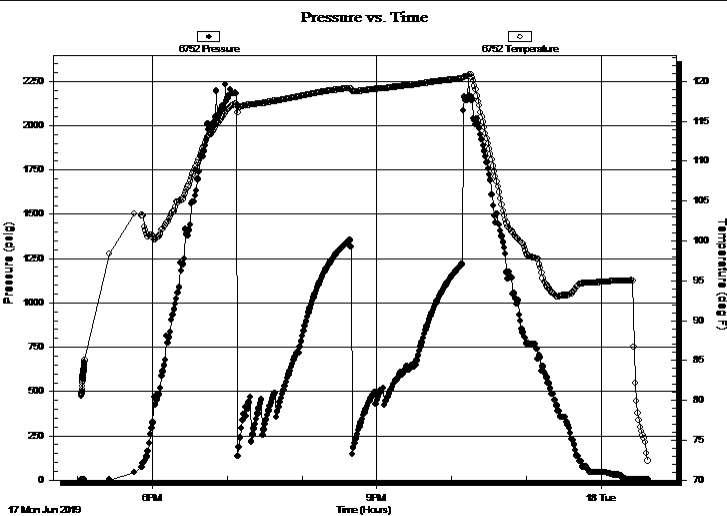
**5/30S/13W/Barber**  
**Bell C #3**  
Job Ticket: 65674 **DST#: 1**  
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Time Test Ended: 00:39:02 Unit No: 72 Pratt/ 38  
Interval: **4304.00 ft (KB) To 4346.00 ft (KB) (TVD)** Reference Elevations: 1943.00 ft (KB)  
Total Depth: 4474.00 ft (KB) (TVD) 1931.00 ft (CF)  
Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

**Serial #: 6752 Below (Straddle)**  
Press@RunDepth: psig @ 4372.52 ft (KB) Capacity: psig  
Start Date: 2019.06.17 End Date: 2019.06.18 Last Calib.: 2019.06.18  
Start Time: 17:03:01 End Time: 00:38:02 Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF 30 Minutes/ Blow built to 1 1/4 inch  
ISI 60 Minutes/ No blow back  
FF 30 Minutes/ Few bubbles at open then dead  
FSI 60 Minutes/ No blow back



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

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	Mud w /skim of oil/ M 100%	0.30

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	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud w /skim of oil/ M 100%	0.295

Total Length: 60.00 ft      Total Volume: 0.295 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 8365

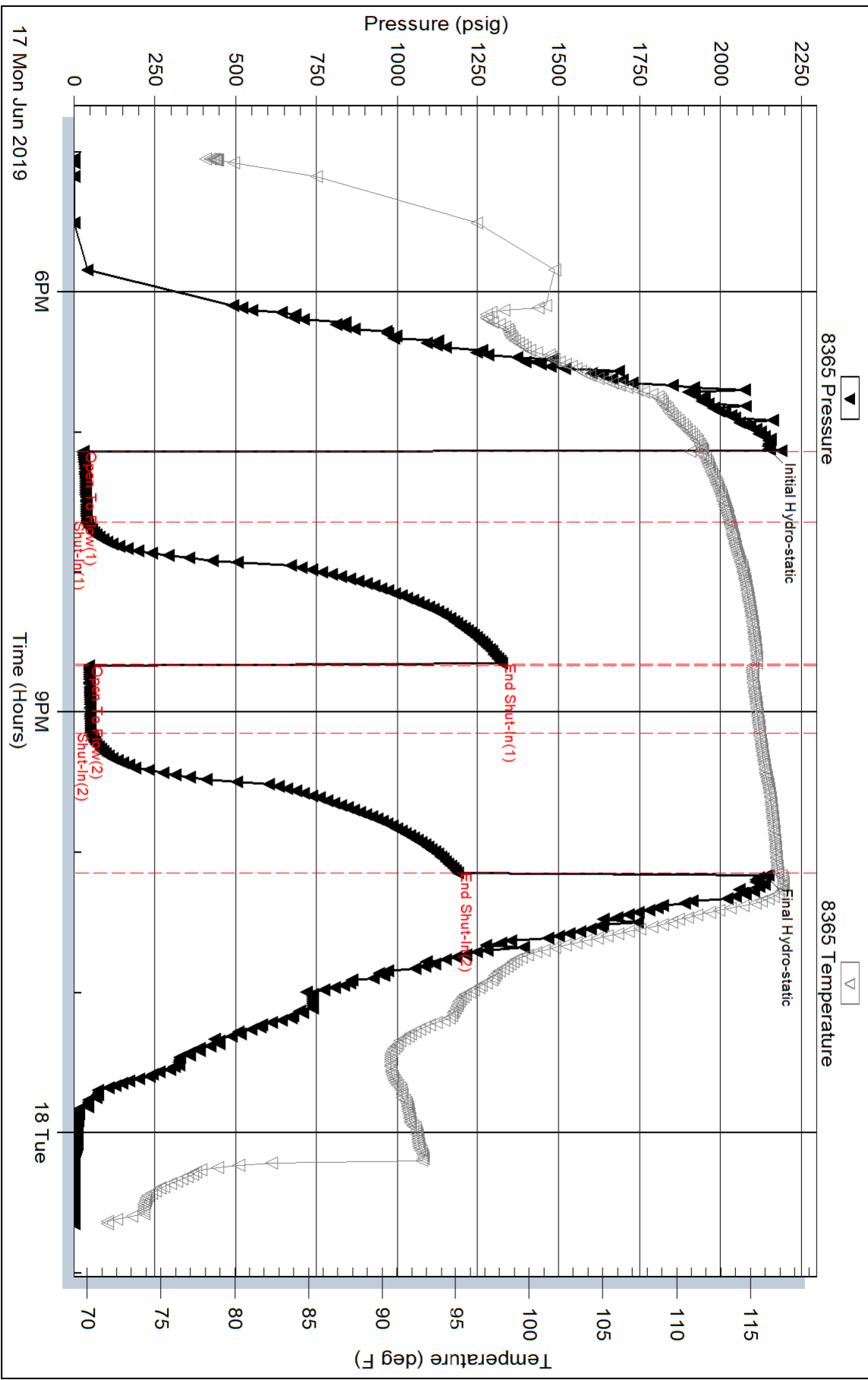
Inside

Indian Oil Co. Inc

Bell C#3

DST Test Number: 1

# Pressure vs. Time



### Pressure vs. Time

