



**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: 66276

**DST#: 3**

Test Start: 2019.06.19 @ 06:36:00

## GENERAL INFORMATION:

Formation: **Viola**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:29:32  
 Time Test Ended: 14:44:02  
 Interval: **4592.00 ft (KB) To 4648.00 ft (KB) (TVD)**  
 Total Depth: 4648.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 72 Pratt/ 38  
 Reference Elevations: 1943.00 ft (KB)  
 1931.00 ft (CF)  
 KB to GR/CF: 12.00 ft

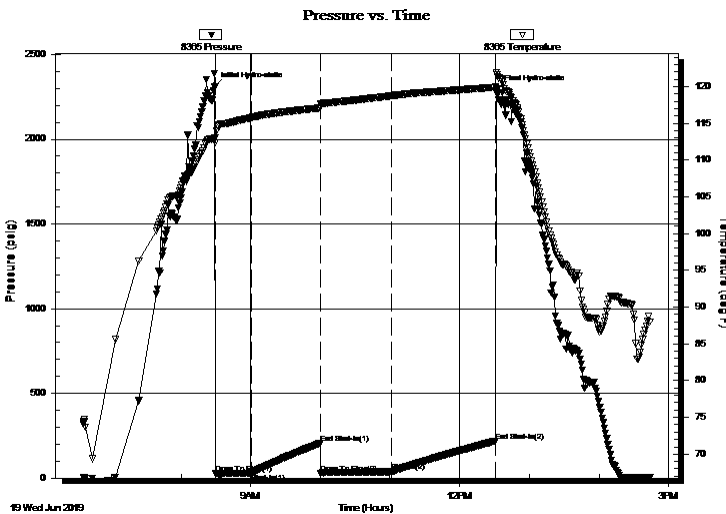
## Serial #: 8365

Inside

Press@RunDepth: 37.67 psig @ 4593.00 ft (KB) Capacity: psig  
 Start Date: 2019.06.19 End Date: 2019.06.19 Last Calib.: 2019.06.19  
 Start Time: 06:36:01 End Time: 14:44:02 Time On Btm: 2019.06.19 @ 08:29:02  
 Time Off Btm: 2019.06.19 @ 12:32:17

TEST COMMENT: IF 30 Minutes/ Blow built to 2 1/2 inches  
 ISI 60 Minutes/ No blow back  
 FF 60 Minutes/ Blow to BOB in 58 minutes  
 FSI 90 Minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2307.74	112.94	Initial Hydro-static
1	25.55	112.33	Open To Flow (1)
32	30.96	115.78	Shut-In(1)
91	204.21	117.12	End Shut-In(1)
92	29.16	117.58	Open To Flow (2)
153	37.67	118.73	Shut-In(2)
242	219.83	119.93	End Shut-In(2)
244	2296.11	121.65	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.15
0.00	155 feet GIP	0.00

## Gas Rates

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



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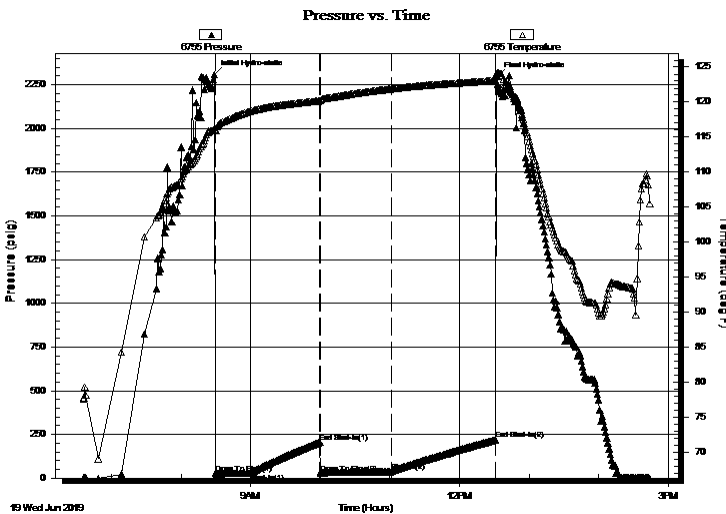
**Serial #: 6755**

**Outside**

Press@RunDepth: 219.85 psig @ 4594.00 ft (KB) Capacity: psig  
 Start Date: 2019.06.19 End Date: 2019.06.19 Last Calib.: 2019.06.19  
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 Time Off Btm: 2019.06.19 @ 12:32:17

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 ISI 60 Minutes/ No blow back  
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## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2306.84	116.13	Initial Hydro-static
1	25.83	115.92	Open To Flow (1)
32	29.91	118.71	Shut-In(1)
91	206.20	120.20	End Shut-In(1)
92	29.05	120.24	Open To Flow (2)
152	37.84	121.89	Shut-In(2)
242	219.85	123.11	End Shut-In(2)
244	2296.96	124.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.15
0.00	155 feet GIP	0.00

## Gas Rates

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



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**FLUID SUMMARY**

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**Bell C #3**  
 Job Ticket: 66276      **DST#: 3**  
 Test Start: 2019.06.19 @ 06:36:00

## 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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 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
30.00	Mud 100%	0.148
0.00	155 feet GIP	0.000

Total Length: 30.00 ft      Total Volume: 0.148 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: 3

