TRILOBITE TESTING, INC.

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KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **Indian Oil Co., Inc.**

PO Box 209
Medicine Lodge, KS 67104

ATTN: Scott Alberg

6-35S-11W Barber KS

Boondocker #1

Start Date: 2011.01.30 @ 20:39:38
End Date: 2011.01.31 @ 06:55:38
Job Ticket #: 041581 DST #: 1

API#: 15-007-23640-0000

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Indian Oil Co., Inc.

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Medicine Lodge, KS 67104

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Boondocker #1

6-35S-11W Barber KS

Job Ticket: 041581 **DST#: 1**

Test Start: 2011.01.30 @ 20:39:38

GENERAL INFORMATION:

Formation: **Misener**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:41:53
Time Test Ended: 06:55:38

Test Type: Conventional Bottom Hole
Tester: Leal Cason
Unit No: 45

Interval: 5090.00 ft (KB) To 5122.00 ft (KB) (TVD)
Total Depth: 5122.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

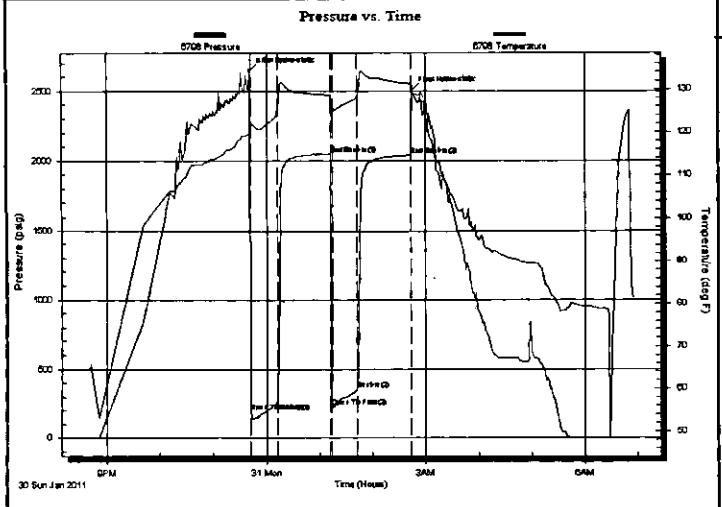
Reference Elevations: 1379.00 ft (KB)
1369.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: 353.80 psig @ 5091.00 ft (KB)
Start Date: 2011.01.30 End Date: 2011.01.31
Start Time: 20:39:39 End Time: 06:55:38

Capacity: 8000.00 psig
Last Calib.: 2011.01.31
Time On Btm: 2011.01.30 @ 23:40:53
Time Off Btm: 2011.01.31 @ 02:44:53

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds, GTS in 11 minutes, Gauged Gas & Caught Sample
ISI: Would Not Bleed Off
FF: Strong Blow , BOB & GTS Immediate, Gauged Gas
FSI: Would not Bleed Off



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2643.99	119.49	Initial Hydro-static
1	194.77	119.70	Open To Flow (1)
31	253.50	124.00	Shut-In(1)
92	2049.72	128.67	End Shut-In(1)
94	227.71	123.30	Open To Flow (2)
122	353.80	127.95	Shut-In(2)
183	2038.13	131.39	End Shut-In(2)
184	2508.93	130.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1116.00	GSY Oil 10%G 90%O	15.65
62.00	GSY OCM 20%G 10%O 70%M	0.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	44.00	92.81
Last Gas Rate	0.50	9.00	158.52
Max. Gas Rate	0.25	57.00	113.43

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Indian Oil Co., Inc.

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Boondocker #1

6-35S-11W Barber KS

Job Ticket: 041581 **DST#: 1**

Test Start: 2011.01.30 @ 20:39:38

Tool Information

Drill Pipe:	Length:	5072.00 ft	Diameter:	3.80 inches	Volume:	71.15 bbl	Tool Weight:		2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		90000.00 lb
					Total Volume:	71.15 bbl	Tool Chased		ft
Drill Pipe Above KB:		10.00 ft					String Weight:	Initial	59000.00 lb
Depth to Top Packer:		5090.00 ft						Final	64000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		32.00 ft							
Tool Length:		60.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			5067.00		
Hydraulic tool	5.00			5072.00		
Jars	5.00			5077.00		
Safety Joint	3.00			5080.00		
Packer	5.00			5085.00	28.00	Bottom Of Top Packer
Packer	5.00			5090.00		
Stubb	1.00			5091.00		
Recorder	0.00	6798	Inside	5091.00		
Recorder	0.00	8367	Outside	5091.00		
Perforations	28.00			5119.00		
Bullnose	3.00			5122.00	32.00	Bottom Packers & Anchor
Total Tool Length:	**60.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Indian Oil Co., Inc.

PO Box 209
Medicine Lodge, KS 67104

ATTN: Scott Alberg

Boondocker #1

6-35S-11W Barber KS

Job Ticket: 041581 **DST#: 1**

Test Start: 2011.01.30 @ 20:39:38

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	39.8 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1116.00	GSY Oil 10%G 90%O	15.655
62.00	GSY OCM 20%G 10%O 70%M	0.870

Total Length: 1178.00 ft Total Volume: 16.525 bbl

Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

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Job Ticket: 041581 **DST#: 1**

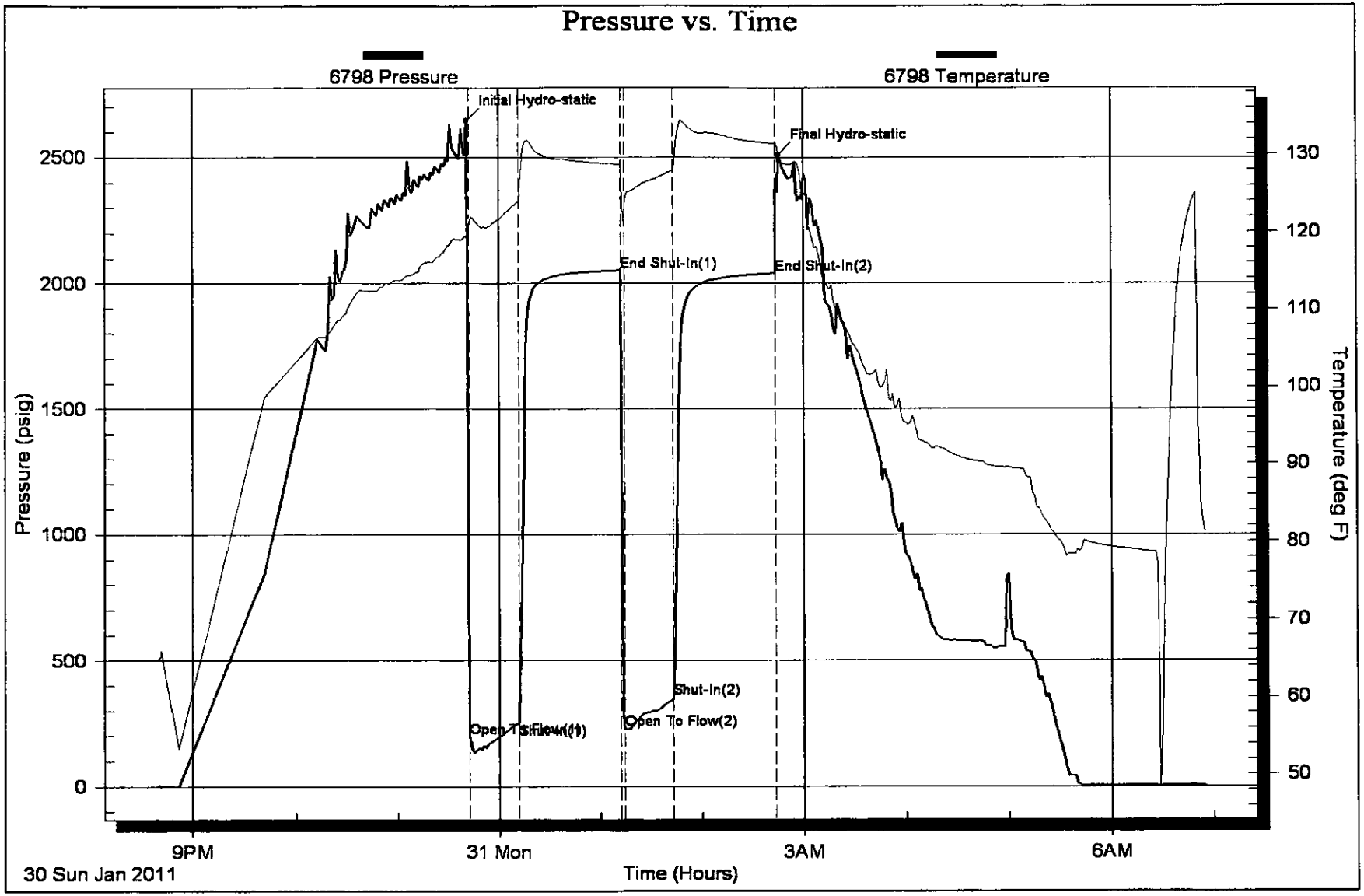
Test Start: 2011.01.30 @ 20:39:38

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m^3/d)
1	20	0.25	44.00	92.81
1	20	0.25	44.00	92.81
1	30	0.25	57.00	113.43
2	10	0.25	22.00	57.90
2	20	0.50	9.00	158.52


Pressure vs. Time
6798 Pressure
6798 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
2500
2000
1500
1000
500
0
130
120
110
100
90
80
70
60
50
9PM
31 Mon
3AM
6AM
30 Sun Jan 2011
Time (Hours)

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

FEB 03 2011

Test Ticket

NO. 041581 15355

Well Name & No. Boondocker #1 Test No. 1 Date 01/30/11

Company Indian Oil Co. Elevation 1379 KB 1369 GL

Address PO Box 209 Medicine Lodge, KS 67104

Co. Rep / Geo. Scott Alberg Rig Val Rig #5

Location: Sec. 6 Twp. 35S Rge. 11W Co. Barber State

Interval Tested 5090 — 5122 Zone Tested Misener

Anchor Length 32 Drill Pipe Run 5072 Mud Wt. 9.2

Top Packer Depth 5085 Drill Collars Run 0 Vis 52

Bottom Packer Depth 5090 Wt. Pipe Run 0 WL 8.8

Total Depth 5122 Chlorides 2000 ppm System LCM 6#

Blow Description IF: Strong Blow, BOB in 30 seconds GTS in 11 min, Gauged gas & took sample
ISI: Would not Bleed Off
FF: Strong Blow, BOB & GTS Immediate, Gauged Gas
FSI: Would not Bleed Off

Rec 62	Feet of GSY OCM	20 %gas	10 %oil	%water	70 %mud	
Rec 1116	Feet of GSY Oil	10 %gas	90 %oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 1178 BHT 131° Gravity 39.8 API RW N/C @ N/C °F Chlorides N/C ppm

(A) Initial Hydrostatic	2644	☑ Test	1325	T-On Location	19:00
(B) First Initial Flow	195	☑ Jars	250	T-Started	20:39
(C) First Final Flow	253	☑ Safety Joint	175	T-Open	23:41
(D) Initial Shut-In	2050	☐ Circ Sub		T-Pulled	
(E) Second Initial Flow	228	☐ Hourly Standby	1/2hr 50	T-Out	6:55
(F) Second Final Flow	354	☑ Mileage	11 ORT 137.50	Comments	
(G) Final Shut-In	2038	☐ Sampler			
(H) Final Hydrostatic	2509	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	60	☐ Extra Recorder		Sub Total	Ø
Final Flow	30	☐ Day Standby		Total	1837.50
Final Shut-In	60	☐ Accessibility		MP/DST Disc't	
		Sub Total	1837.50		

Approved By _____ Our Representative _____

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

TRILOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601 • (785) 625-4778

GAS VOLUME REPORT

Indian oil co (OPERATOR) | Boondocker #1 (WELL NAME AND NO.) | 1 (DST NO.)

GTS 11 minutes

Min.	~~Ins. of Water~~ PSIG	Orifice Size	MCF/D	Min.	~~Ins. of Water~~ PSIG	Orifice Size	MCF/D
~~20~~		1/4		10	22	1/4	57.904
20	44	1/4	92.805	20	9	1/2	158.524
30	57	1/4	113.428	30	3	1/2	118.050

Remarks: