



## DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Co.Inc.**

PO Box124  
Kiowa KS 67070

ATTN: David Barker

### **Dusty #2**

### **9-33s-10w Barber,KS**

Start Date: 2012.03.24 @ 02:57:57

End Date: 2012.03.24 @ 11:10:57

Job Ticket #: 45781                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.03 @ 13:23:07



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Chieftain Oil Co. Inc.

**9-33s-10w Barber, KS**

PO Box 124  
Kiowa KS 67070

**Dusty #2**

Job Ticket: 45781

**DST#: 1**

ATTN: David Barker

Test Start: 2012.03.24 @ 02:57:57

## GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:51:27

Time Test Ended: 11:10:57

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

**Interval: 4868.00 ft (KB) To 4884.00 ft (KB) (TVD)**

Reference Elevations: 1476.00 ft (KB)

Total Depth: 4884.00 ft (KB) (TVD)

1468.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8167**

**Inside**

Press @ Run Depth: 110.17 psig @ 4869.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.24

End Date:

2012.03.24

Last Calib.:

2012.03.24

Start Time: 02:57:58

End Time:

11:10:57

Time On Btm:

2012.03.24 @ 05:47:42

Time Off Btm:

2012.03.24 @ 08:56:42

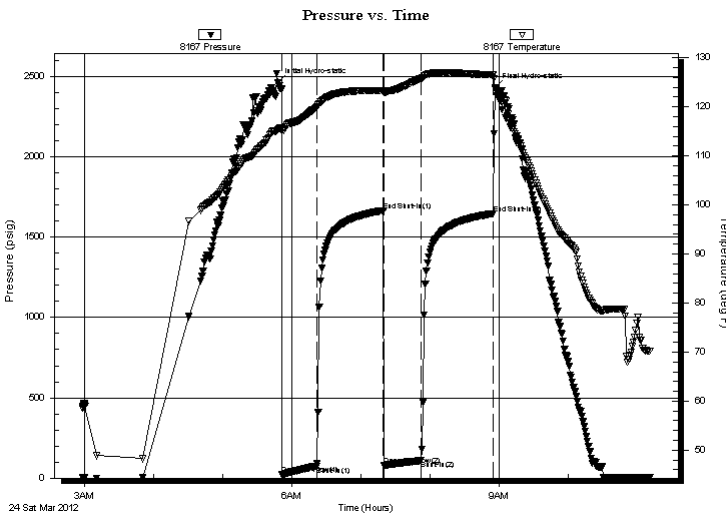
TEST COMMENT: IF: Weak blow . Increase to 5".

IS: No blow .

FF: Weak blow . Increase to 2 1/2".

FS: No blow .

## PRESSURE SUMMARY



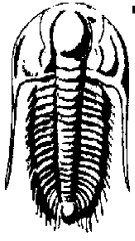
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2459.74	115.29	Initial Hydro-static
4	21.13	115.20	Open To Flow (1)
34	74.93	120.03	Shut-In(1)
92	1665.89	123.35	End Shut-In(1)
92	79.59	122.96	Open To Flow (2)
125	110.17	125.76	Shut-In(2)
187	1646.99	126.49	End Shut-In(2)
189	2429.61	123.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	SW	0.59
80.00	MW 28% m 72% w	1.12

## Gas Rates

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



TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Chieftain Oil Co.Inc.

9-33s-10w Barber,KS

PO Box 124  
Kiowa KS 67070

Dusty #2

Job Ticket: 45781

DST#: 1

ATTN: David Barker

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## GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:51:27

Time Test Ended: 11:10:57

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: **4868.00 ft (KB) To 4884.00 ft (KB) (TVD)**

Reference Elevations: 1476.00 ft (KB)

Total Depth: 4884.00 ft (KB) (TVD)

1468.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **8370** Outside

Press @ Run Depth: psig @ 4869.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.24

End Date:

2012.03.24

Last Calib.:

2012.03.24

Start Time: 02:51:05

End Time:

11:09:29

Time On Btm:

Time Off Btm:

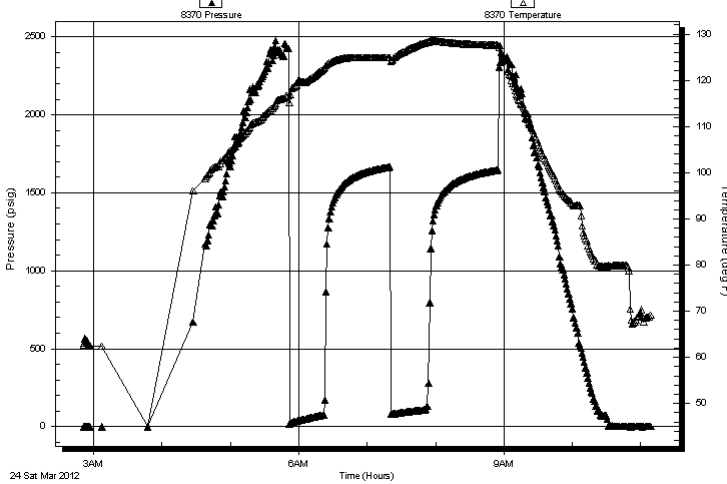
TEST COMMENT: IF:Weak blow . Increase to 5".

IS:No blow .

FF:Weak blow . Increase to 2 1/2".

FS:No blow .

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	SW	0.59
80.00	MW 28% m 72% w	1.12

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Chieftain Oil Co.Inc.

**9-33s-10w Barber,KS**

PO Box124  
Kiowa KS 67070

**Dusty #2**

Job Ticket: 45781

**DST#: 1**

ATTN: David Barker

Test Start: 2012.03.24 @ 02:57:57

## Tool Information

Drill Pipe:	Length: 4738.00 ft	Diameter: 3.80 inches	Volume: 66.46 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	77000.00 lb
			<u>Total Volume: 67.05 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4868.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 ft				
Tool Length:	44.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			4841.00	
Shut in tool	5.00			4846.00	
HMV	5.00			4851.00	
Jars	5.00			4856.00	
Safety Joint	3.00			4859.00	
Packer	4.00			4863.00	28.00 Bottom Of Top Packer
Packer	5.00			4868.00	
Stubb	1.00			4869.00	
Recorder	0.00	8167	Inside	4869.00	
Recorder	0.00	8370	Outside	4869.00	
Perforations	10.00			4879.00	
Bullnose	5.00			4884.00	16.00 Bottom Packers & Anchor

**Total Tool Length: 44.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Chieftain Oil Co.Inc.

**9-33s-10w Barber,KS**

PO Box124  
Kiowa KS 67070

**Dusty #2**

Job Ticket: 45781

**DST#: 1**

ATTN: David Barker

Test Start: 2012.03.24 @ 02:57:57

## 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:

91000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	SW	0.590
80.00	MW 28% <sub>m</sub> 72% <sub>w</sub>	1.122

Total Length: 200.00 ft      Total Volume: 1.712 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .085 ohms @73deg

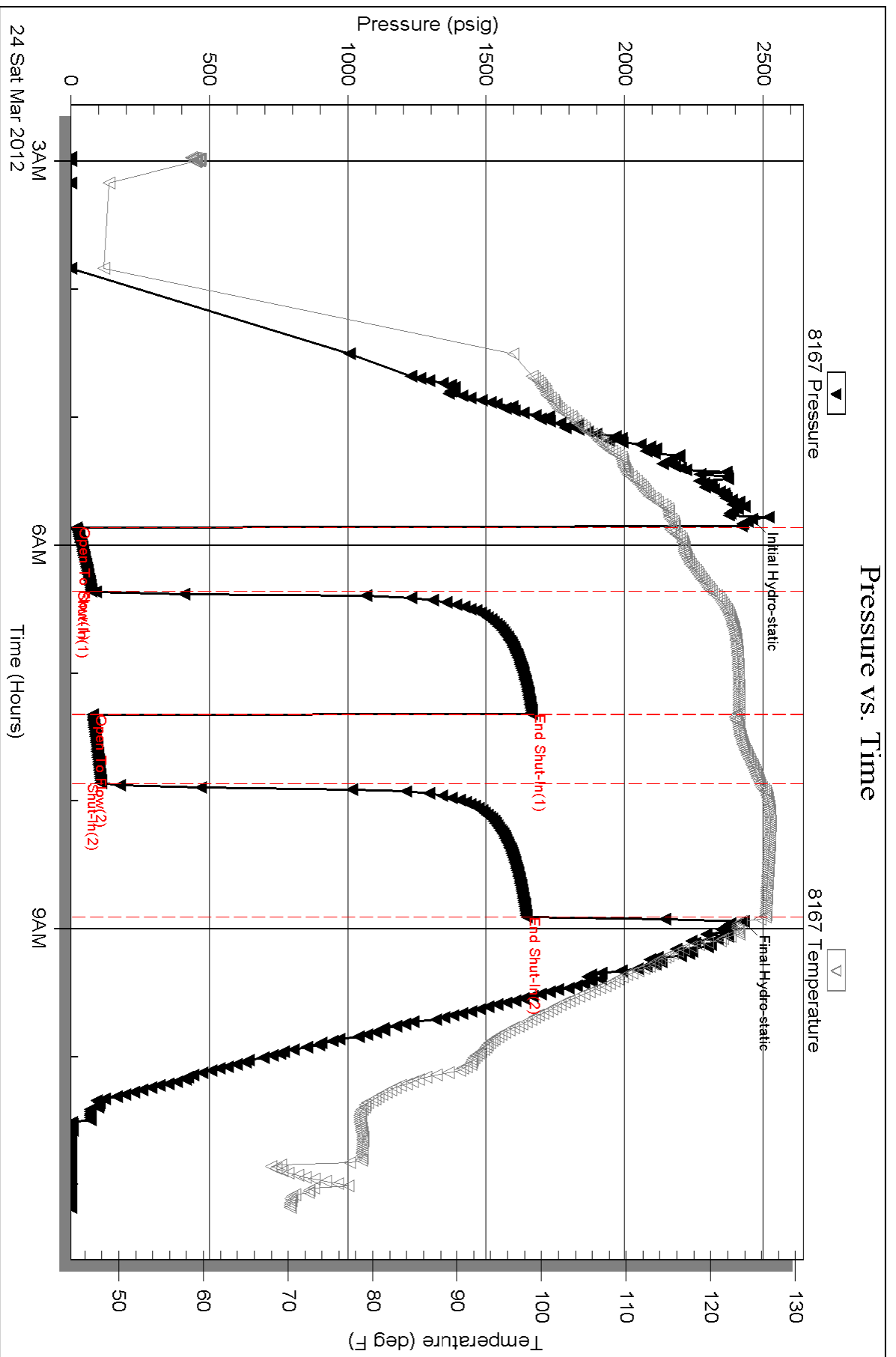
Serial #: 8167

Inside

Chieftain Oil Co. Inc.

Dusty #2

DST Test Number: 1

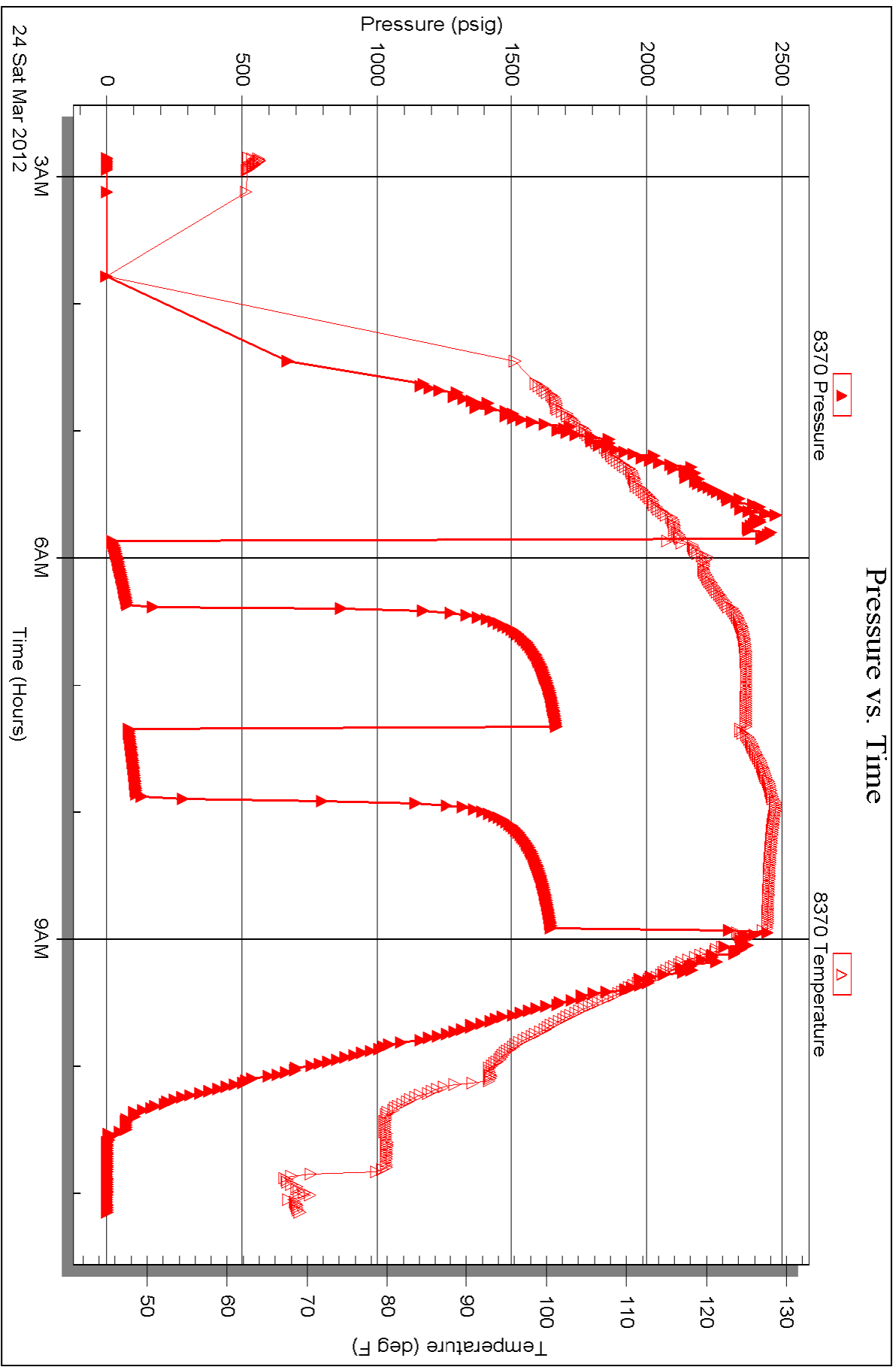


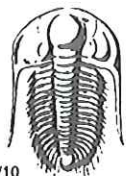
Serial #: 8370

Outside Chieftain Oil Co. Inc.

Dusty #2

DST Test Number: 1





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
MAR 30 2012

## Test Ticket

NO. 45781

4/10

BY: \_\_\_\_\_

Well Name & No. Dusty #2 Test No. 1 Date 3-24-12  
 Company CHIEFTAIN OIL CO. INC. Elevation 1476 KB 1468 GL  
 Address 1015.5TH ST. P.O. Box 124, Kiowa Ks. 67070  
 Co. Rep / Geo. DAVID BARKER Rig Fossil Drilling #2  
 Location: Sec. 9 Twp. 33<sup>S</sup> Rge. 10<sup>W</sup> Co. BARBER State Ks.

Interval Tested 4868 - 4884' Zone Tested SIMPSON  
 Anchor Length 16' Drill Pipe Run 4738' Mud Wt. 9.4  
 Top Packer Depth 4863' Drill Collars Run 120' Vis 47  
 Bottom Packer Depth 4868' Wt. Pipe Run 0 WL 10.0cc  
 Total Depth 4884' Chlorides 3600 ppm System LCM 6<sup>#</sup>  
 Blow Description IF: Weak blow. Increase to 5". ISF: No blow.

FF: Weak blow. Increase to 2 1/2". FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>MW</u>		<u>72</u>	<u>28</u>	
<u>120</u>	<u>SW</u>				

Rec Total 200' BHT 126° Gravity N/A API RW 085 @ 73 °F Chlorides 91,000 ppm

(A) Initial Hydrostatic <u>2460</u>	<input checked="" type="checkbox"/> Test <u>1225'</u>	T-On Location <u>0153</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>255'</u>	T-Started <u>0257</u>
(C) First Final Flow <u>75</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>0551</u>
(D) Initial Shut-In <u>1666</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0852</u>
(E) Second Initial Flow <u>80</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1110</u>
(F) Second Final Flow <u>110</u> <del>1647</del>	<input checked="" type="checkbox"/> Mileage <u>(98)</u> <u>137.20</u>	Comments _____
(G) Final Shut-In <u>1647</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2430</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1687.20</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1687.20</u>	

Approved By [Signature] Our Representative [Signature]

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