

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co**

125 N. Market Suite 1000
Wichita KS 67202

ATTN: Bill Klaver

34 33S 11W Barber KS

Forester E-1

Start Date: 2007.04.15 @ 18:03:03

End Date: 2007.04.16 @ 04:06:18

Job Ticket #: 27929 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2007.04.18 @ 13:28:04 Page 1

Woolsey Operating Co

Forester E-1

34 33S 11W Barber KS

DST # 1

Miss.

2007.04.15



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N. Market Suite 1000
Wichita KS 67202

ATTN: Bill Klaver

Forester E-1

34 33S 11W Barber KS

Job Ticket: 27929

DST#: 1

Test Start: 2007.04.15 @ 18:03:03

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:30:18

Time Test Ended: 04:06:18

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: 4438.00 ft (KB) To 4527.00 ft (KB) (TVD)

Total Depth: 4527.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1384.00 ft (KB)

1374.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6668 Inside

Press@RunDepth: 31.63 psig @ 4438.00 ft (KB)

Start Date: 2007.04.15

End Date:

2007.04.16

Start Time: 18:03:08

End Time:

04:06:18

Capacity: 7000.00 psig

Last Calib.: 2007.04.16

Time On Btm: 2007.04.15 @ 20:29:18

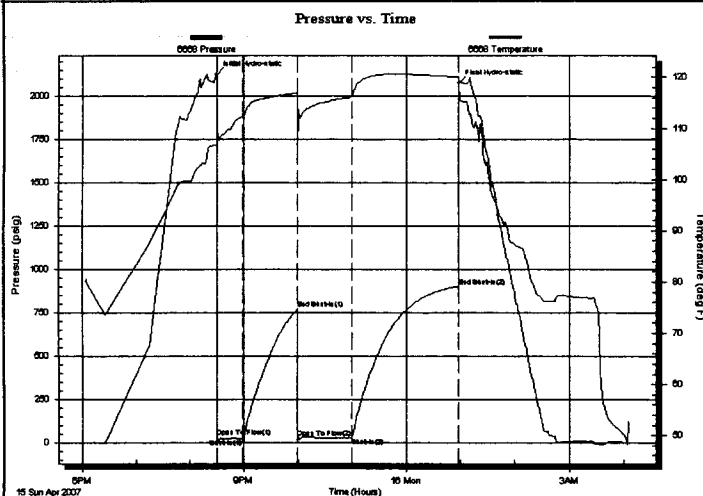
Time Off Btm: 2007.04.16 @ 00:58:17

TEST COMMENT: IF Strong blow BOB in 45 secs.

FSI Bled off No blow back

FF Strong blow BOB immediately

FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2123.13	106.69	Initial Hydro-static
1	33.45	108.65	Open To Flow (1)
30	24.19	112.21	Shut-In (1)
90	771.38	116.85	End Shut-In (1)
91	30.67	105.14	Open To Flow (2)
151	31.63	116.09	Shut-In (2)
269	903.42	120.12	End Shut-In (2)
269	2072.73	119.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Mud 100%M	0.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co

Forester E-1

125 N. Market Suite 1000
Wichita KS 67202

34 33S 11W Barber KS

Job Ticket: 27929

DST#: 1

ATTN: Bill Klaver

Test Start: 2007.04.15 @ 18:03:03

Tool Information

Drill Pipe:	Length: 4431.00 ft	Diameter: 3.80 inches	Volume: 62.16 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume: 62.16 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4438.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.00 ft			
Tool Length:	116.00 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			4415.00	
Hydraulic tool	5.00			4420.00	
Jars	5.00			4425.00	
Safety Joint	3.00			4428.00	
Packer	5.00			4433.00	28.00 Bottom Of Top Packer
Packer	5.00			4438.00	
Recorder	0.00	6668	Inside	4438.00	
Perforations	5.00			4443.00	
Change Over Sub	1.00			4444.00	
Drill Pipe	63.00			4507.00	
Change Over Sub	1.00			4508.00	
Perforations	15.00			4523.00	
Recorder	0.00	13266	Outside	4523.00	
Bullnose	3.00			4526.00	88.00 Bottom Packers & Anchor

Total Tool Length: 116.00



**TRILOBITE
TESTING, INC.**

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FLUID SUMMARY

Woolsey Operating Co

Forester E-1

125 N. Market Suite 1000
Wichita KS 67202

34 33S 11W Barber KS

Job Ticket: 27929

DST#: 1

ATTN: Bill Klaver

Test Start: 2007.04.15 @ 18:03:03

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: 41.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Mud 100%M	0.870

Total Length: 62.00 ft

Total Volume: 0.870 bbl

Num Fluid Samples: 0

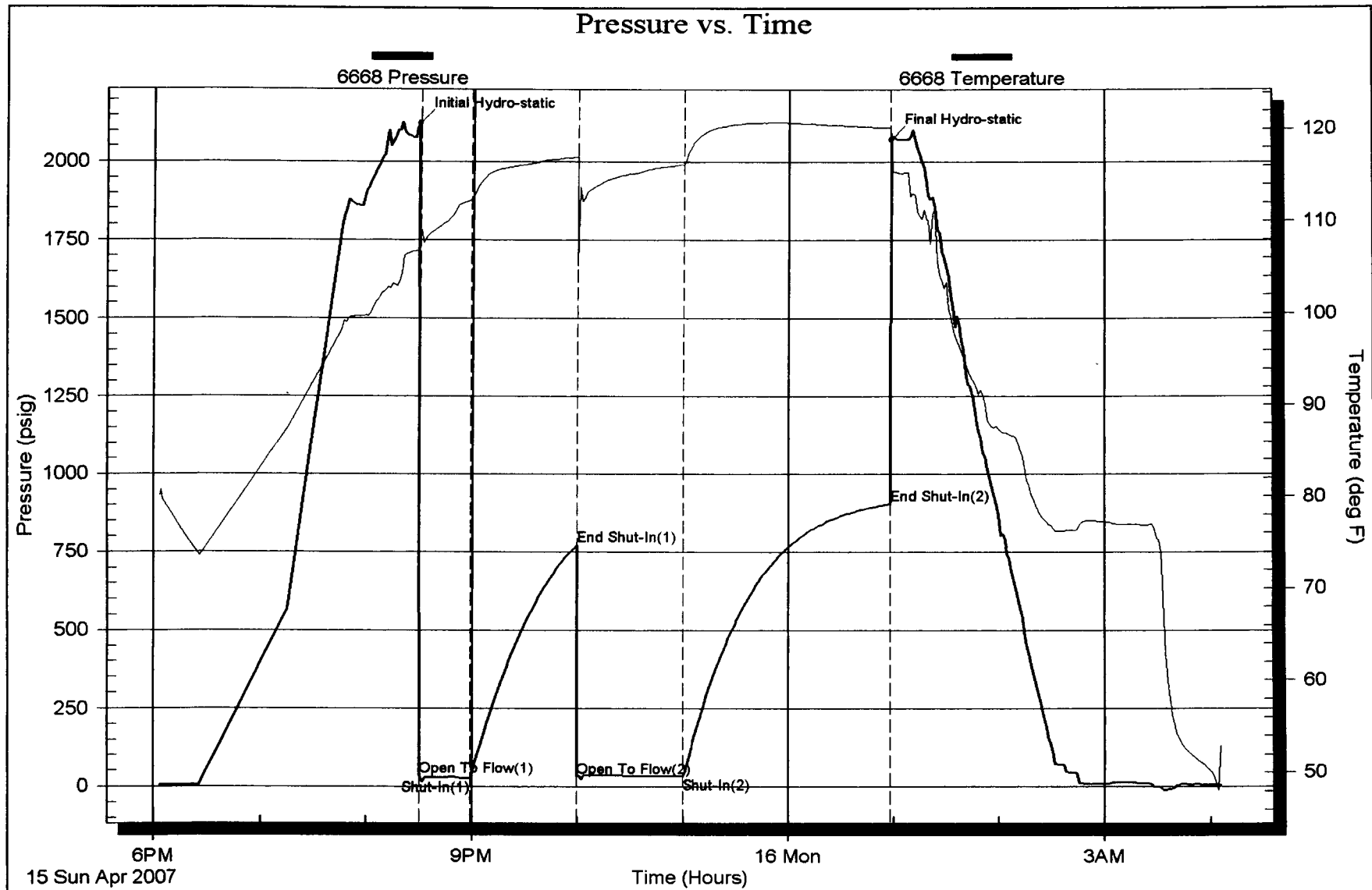
Num Gas Bombs: 0

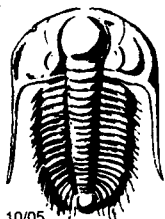
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27929

10046

Test Ticket

Well Name & No. <u>Forrester E-1</u>	Test No. <u>#1</u>	Date <u>4-16-07</u>
Company <u>Woolsey Operating Co.</u>	Zone Tested <u>M:SS.</u>	
Address <u>125 N. Market Suite 1,000 Wichita KS 67202</u>	Elevation <u>1384'</u>	KB <u>1374'</u> GL
Co. Rep / Geo. <u>Bill Klauer</u>	Rig <u>Duke Rig #1</u>	
Location: Sec. <u>34</u> Twp. <u>33 S</u> Rge. <u>11 W</u>	Co. <u>Barber</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>4438'</u>	<u>4527'</u>	Initial Str Wt./Lbs. <u>60,000</u>	Unseated Str Wt./Lbs. <u>60,000</u>
Anchor Length _____	<u>89'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>90,000</u>
Top Packer Depth _____	<u>4349'</u>	Tool Weight <u>2,100 lbs.</u>	
Bottom Packer Depth _____	<u>4438'</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth _____	<u>4527'</u>	Wt. Pipe Run <u>NONE</u>	Drill Collar Run <u>NONE</u>
Mud Wt. <u>9.0</u> LCM <u>0</u> Vis. <u>41</u> WL <u>12.4</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4431'</u>

Blow Description IF: Strong blow. B.O.B. in 45 SECS.

FSI: Bled off. No blow blow back.

FF: Strong blow. B.O.B. immediately.

FSI: Bled off. No blow back.

Recovery - Total Feet 62' GIP _____ Ft. in DC 0 Ft. in DP 62'

Rec. <u>62'</u>	Feet of <u>mud</u>	%gas	%oil	%water	%mud
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Rec. _____	Feet of _____	%gas	%oil	%water	%mud
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Rec. _____	Feet of _____	%gas	%oil	%water	%mud
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Rec. _____	Feet of _____	%gas	%oil	%water	%mud
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Rec. _____	Feet of _____	%gas	%oil	%water	%mud
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BHT 120 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 8,000 ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>2,123</u> PSI	Alpine	Recorder No. <u>6668</u>	Test <u>✓</u> <u>1200</u>
(B) First Initial Flow Pressure	<u>33</u> PSI		(depth) <u>4438'</u>	Jars <u>✓</u> <u>250</u>
(C) First Final Flow Pressure	<u>24</u> PSI		Recorder No. <u>13266</u>	Safety Jt. <u>✓</u> <u>15</u>
(D) Initial Shut-In Pressure	<u>771</u> PSI		(depth) <u>4524'</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>31</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>32</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>903</u> PSI	Initial Opening	<u>30 mins</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2,091</u> PSI	Initial Shut-In	<u>60 mins</u>	Shale Packer _____
		Final Flow	<u>60 mins</u>	Ruined Packer <u>117.5</u>
		Final Shut-In	<u>120 mins</u>	Mileage <u>✓ 94 miles</u>
		T-On Location	<u>16:00</u>	Sub Total: _____
		T-Started	<u>18:03</u>	Std. By <u>3</u> <u>300</u>
		T-Open	<u>20:33</u>	Acc. Chg: _____
		T-Pulled	<u>01:03</u>	Other: _____
		T-Out	<u>04:06</u>	Total: <u>\$1,942.5</u>

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Approved By Bill Klauer

Our Representative Tracy Luskensky

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

