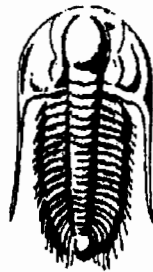


15-051-25138

19-11s-19w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Shields Oil Producers Inc.**

Shields Building
Russell, KS 67665

ATTN: Burton Beery

19-11s-19w

Greathouse # 7

Start Date: 2002.06.14 @ 06:50:11

End Date: 2002.06.14 @ 11:56:41

Job Ticket #: 16405

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shields Oil Producers Inc.

Shields Building
Russell, KS 67665

ATTN: Burton Beery

Greathouse # 7

19-11s-19w

Job Ticket: 16405

DST#: 1

Test Start: 2002.06.14 @ 06:50:11

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 08:25:41

Time Test Ended: 11:56:41

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3677.00 ft (KB) To 3688.00 ft (KB) (TVD)**

Total Depth: **3688.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2090.00 ft (KB)**

2080.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 3017 **Inside**

Press@RunDepth: **19.11 psig @ 3680.01 ft (KB)**

Start Date: **2002.06.14**

End Date:

2002.06.14

Start Time: **06:50:12**

End Time:

11:56:41

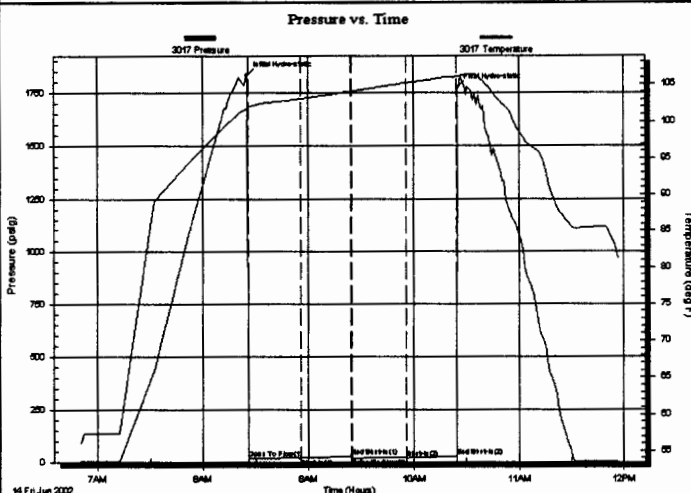
Capacity: **7000.00 psig**

Last Calib.: **2002.06.14**

Time On Btm: **2002.06.14 @ 08:25:11**

Time Off Btm: **2002.06.14 @ 10:25:11**

TEST COMMENT: IF-Weak dead in 8 min.
FF-Dead



PRESSURE SUMMARY

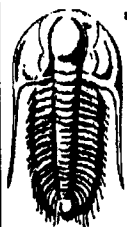
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1833.25	101.67	Initial Hydro-static
1	17.38	101.82	Open To Flow (1)
31	19.45	103.06	Shut-In (1)
59	28.64	104.05	End Shut-In (1)
60	19.39	104.09	Open To Flow (2)
91	19.11	105.16	Shut-In (2)
120	28.56	106.03	End Shut-In (2)
120	1776.64	106.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud W. Few oil specks	0.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shields Oil Producers Inc.

Greathouse # 7

Shields Building
Russell, KS 67665

19-11s-19w

Job Ticket: 16405

DST#: 1

ATTN: Burton Beery

Test Start: 2002.06.14 @ 06:50:11

Tool Information

Drill Pipe:	Length: 3266.00 ft	Diameter: 3.80 inches	Volume: 45.81 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 409.00 ft	Diameter: 2.70 inches	Volume: 2.90 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:	62000.00 lb
			<u>Total Volume: 48.71 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3677.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.01 ft				
Tool Length:	31.01 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			3658.00	
S.I. Tool	5.00			3663.00	
HMV	5.00			3668.00	
Packer	4.00			3672.00	20.00 Bottom Of Top Packer
Packer	5.00			3677.00	
Stubb	1.00			3678.00	
Perforations	2.00			3680.00	
Recorder	0.01	3017	Inside	3680.01	
Perforations	5.00			3685.01	
Bullnose	3.00			3688.01	11.01 Bottom Packers & Anchor
Total Tool Length:	31.01				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Shields Oil Producers Inc.

Greathouse # 7

Shields Building
Russell, KS 67665

19-11s-19w

Job Ticket: 16405

DST#: 1

ATTN: Burton Beery

Test Start: 2002.06.14 @ 06:50:11

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud W. Few oil specks	0.007

Total Length: 1.00 ft

Total Volume: 0.007 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

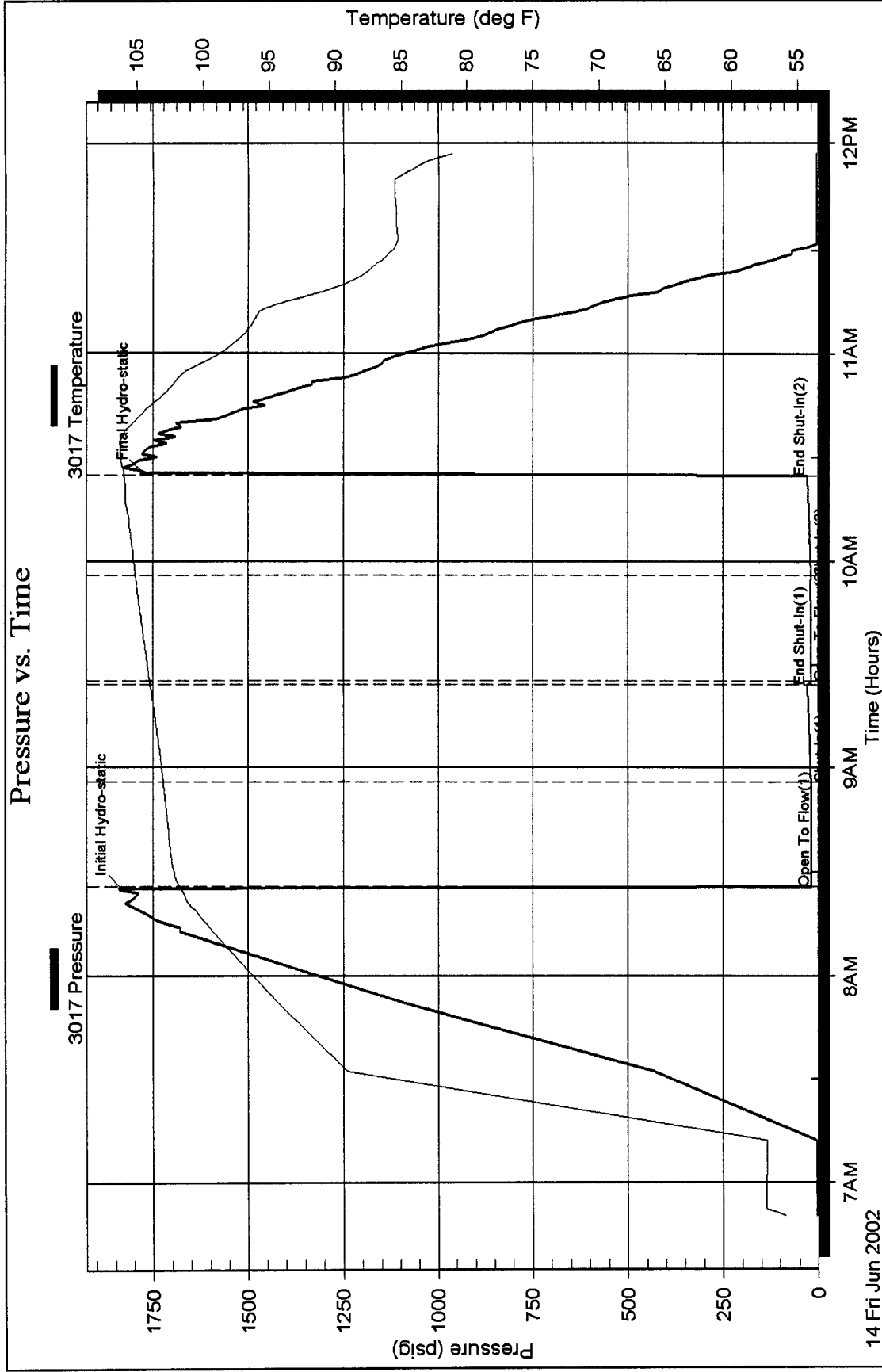
19--11s--19w

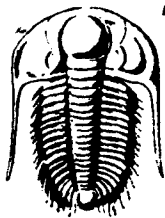
Shields Oil Producers Inc.

Inside

Serial #: 3017

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16405

Test Ticket

Well Name & No. <u>GREATHOUSE #7</u>	Test No. <u>#1</u>	Date <u>6-14-02</u>
Company <u>SHIELDS OIL PRODUCERS, INC.</u>	Zone Tested <u>ARBUCKLE</u>	
Address <u>SHIELDS BLDG, RUSSELL, KS 67665</u>	Elevation <u>2090</u>	KB <u>2080</u> GL
Co. Rep / Geo. <u>RANDY KILIAN</u>	Cont. <u>SHIELDS #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>19</u>	Twp. <u>11S</u>	Rge. <u>19W</u> Co. <u>ELLIS</u> State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>3677 To 3688</u>	Initial Str Wt./Lbs. <u>48,000</u>	Unseated Str Wt./Lbs. <u>48,000</u>
Anchor Length <u>11'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>28,000</u>
Top Packer Depth <u>3672</u>	Tool Weight <u>2,000</u>	<u>627</u>
Bottom Packer Depth <u>3677</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>3688</u>	Wt. Pipe Run <u>409</u>	Drill Collar Run <u> </u>
Mud Wt. <u>9.3</u> LCM <u>—</u> Vis. <u>47</u> WL <u>10.4</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3266</u>
Blow Description <u>FF-WEAK DEAD IN 8-min.</u>		
<u>FF DEAD</u>		

Recovery — Total Feet <u>1</u>	GIP <u> </u>	Ft. in <u>WB</u> <u>1'</u>	Ft. in DP <u>0</u>
Rec. <u>1</u>	Feet Of <u>MUD @ FEW OIL SPECKS</u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
BHT <u>106</u>	°F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u> °API <u> </u>
RW <u> </u> @ <u> </u>	°F Chlorides <u> </u>	ppm Recovery <u> </u>	Chlorides <u> </u> ppm System <u> </u>

(A) Initial Hydrostatic Mud	AK-1 <u>1834</u>	Alpine PSI Recorder No. <u>3017</u>	T-On Location <u>05:00</u>
(B) First Initial Flow Pressure	<u>17</u>	PSI (depth) <u>3680</u>	T-Started <u>06:50</u>
(C) First Final Flow Pressure	<u>19</u>	PSI Recorder No. <u> </u>	T-Open <u>08:24</u> 7:45
(D) Initial Shut-In Pressure	<u>28</u>	PSI (depth) <u> </u>	T-Pulled <u>10:26</u>
(E) Second Initial Flow Pressure	<u>19</u>	PSI Recorder No. <u> </u>	T-Out <u>11:56</u>
(F) Second Final Flow Pressure	<u>19</u>	PSI (depth) <u> </u>	T-Off Location <u>12:45</u>
(G) Final Shut-in Pressure	<u>28</u>	PSI Initial Opening <u>30</u>	Test <u>BOTTOM HOLE 700</u>
(Q) Final Hydrostatic Mud	<u>1282</u>	PSI Initial Shut-in <u>30</u>	Jars <u> </u>
		Final Flow <u>30</u>	Safety Joint <u> </u>
		Final Shut-in <u>30</u>	Straddle <u> </u>
			Circ. Sub <u> </u>
			Sampler <u> </u>
			Extra Packer <u> </u>
			Elec. Rec. <u>✓ 150</u>
			Mileage <u>15</u>
			Other <u> </u>
			TOTAL PRICE \$ <u>865</u>

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Approved By

Our Representative John J. Schmidt