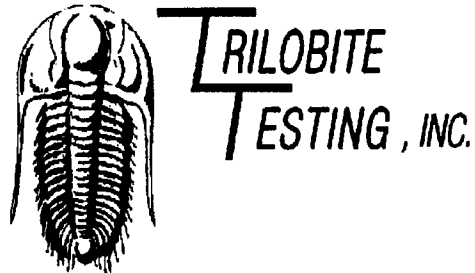


15-185-23435

3-24s-14w



DRILL STEM TEST REPORT

Prepared For: **Nacogdoches Oil & Gas LLC**

PO Box 632418
Nacogdoches TX 75963-2418

ATTN: Eldon Schierling

3 24 14 Stafford KS

Heyen#1-3

Start Date: 2007.06.19 @ 14:40:16

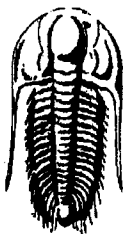
End Date: 2007.06.19 @ 22:46:31

Job Ticket #: 27952 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

Nacogdoches Oil & Gas LLC

PO Box 632418
Nacogdoches TX 75963-2418

ATTN: Eldon Schierling

Heyen#1-3

3 24 14 Stafford KS

Job Ticket: 27952

DST#: 1

Test Start: 2007.06.19 @ 14:40:16

GENERAL INFORMATION:

Formation: **Conglomerate**

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

Time Tool Opened: 17:13:01

Time Test Ended: 22:46:31

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **39**

Interval: **3975.00 ft (KB) To 4060.00 ft (KB) (TVD)**

Total Depth: **4060.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1961.00 ft (KB)**

1953.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: **8167**

Inside

Press@RunDepth: **31.48 psig @ 3976.00 ft (KB)**

Start Date: **2007.06.19**

End Date: **2007.06.19**

Start Time: **14:40:21**

End Time: **22:46:30**

Capacity: **7000.00 psig**

Last Calib.: **2007.06.19**

Time On Btm: **2007.06.19 @ 17:12:46**

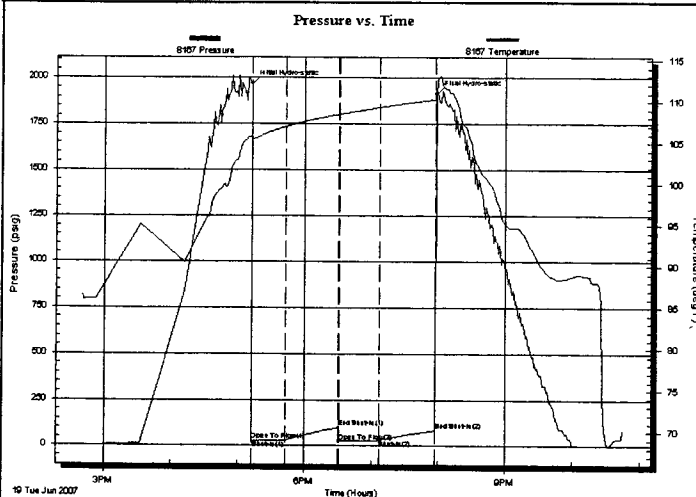
Time Off Btm: **2007.06.19 @ 19:58:00**

TEST COMMENT: IF Weak blow Slow increase to 5 "

ISI No blow

FF Weak blow Slow increase to 4 "

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1967.49	105.86	Initial Hydro-static
1	30.30	105.40	Open To Flow (1)
30	27.13	106.99	Shut-In(1)
78	99.98	108.48	End Shut-In(1)
78	24.47	108.47	Open To Flow(2)
115	31.48	109.34	Shut-In(2)
165	84.63	110.29	End Shut-In(2)
166	1913.66	110.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drig.mud	0.20
0.00	225 ft.of GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Nacogdoches Oil & Gas LLC

Heyen#1-3

PO Box 632418
Nacogdoches TX 75963-2418

3 24 14 Stafford KS

Job Ticket: 27952

DST#: 1

ATTN: Eldon Schierling

Test Start: 2007.06.19 @ 14:40:16

Tool Information

Drill Pipe:	Length: 3788.00 ft	Diameter: 3.80 inches	Volume: 53.14 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	86000.00 lb
		Total Volume:	54.03 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	61000.00 lb
Depth to Top Packer:	3975.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	85.00 ft				
Tool Length:	113.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3948.00	
Shut In Tool	5.00			3953.00	
Hydraulic tool	5.00			3958.00	
Jars	5.00			3963.00	
Safety Joint	3.00			3966.00	
Packer	4.00			3970.00	28.00 Bottom Of Top Packer
Packer	5.00			3975.00	
Stubb	1.00			3976.00	
Recorder	0.00	8167	Inside	3976.00	
Perforations	5.00			3981.00	
Change Over Sub	1.00			3982.00	
Blank Spacing	62.00			4044.00	
Change Over Sub	1.00			4045.00	
Perforations	10.00			4055.00	
Recorder	0.00	11019	Outside	4055.00	
Bullnose	5.00			4060.00	85.00 Bottom Packers & Anchor
Total Tool Length:		113.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Nacogdoches Oil & Gas LLC

Heyen#1-3

PO Box 632418
Nacogdoches TX 75963-2418

3 24 14 Stafford KS

Job Ticket: 27952

DST#: 1

ATTN: Eldon Schierling

Test Start: 2007.06.19 @ 14:40:16

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:

10000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Drig.mud	0.197
0.00	225 ft.of GIP	0.000

Total Length: 40.00 ft

Total Volume: 0.197 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

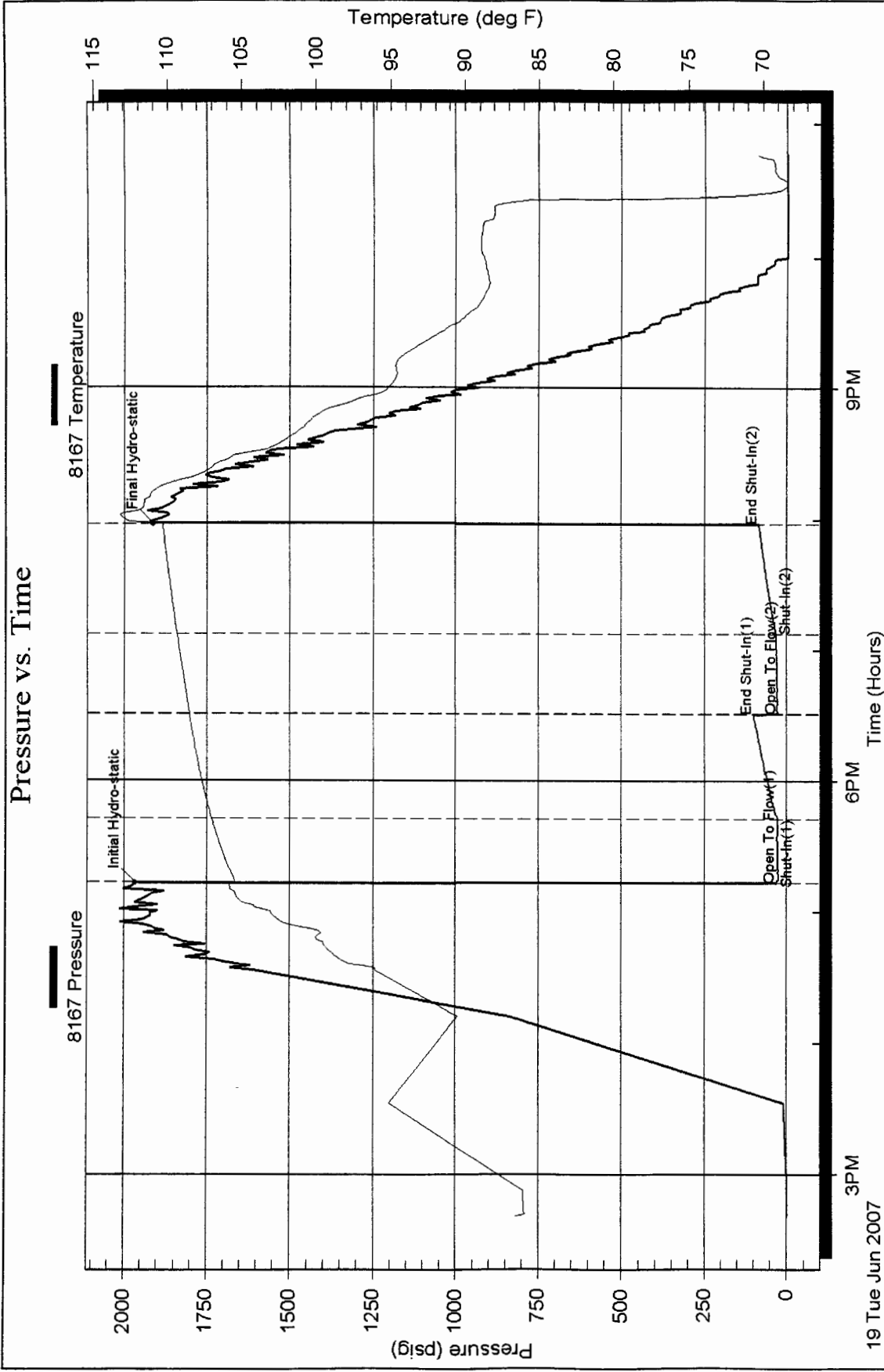
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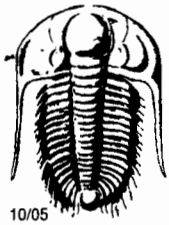
Inside

Nacogdoches Oil & Gas LLC

3 24 14 Stafford KS

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27952

10301

Test Ticket

Well Name & No. <u>Hayan #1-3</u>	Test No. <u>1</u>	Date <u>6-19-07</u>
Company <u>Nacogdoches Oil & Gas, LLC</u>	Zone Tested <u>Conglomerate</u>	
Address <u>P.O. Box 632418, Nacogdoches Tx. 75963-2418</u>	Elevation <u>1961</u>	KB <u>1953</u> GL
Co. Rep / Geo. <u>Eldon Schierling</u>	Rig <u>Warren Delg. #17</u>	
Location: Sec. <u>3</u> Twp. <u>24S</u> Rge. <u>14W</u>	Co. <u>Stafford</u>	State <u>Ks.</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3975 ~ 4060'</u>	Initial Str Wt./Lbs. <u>61,000</u>	Unseated Str Wt./Lbs. <u>63,000</u>
Anchor Length <u>85'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>84,000</u>
Top Packer Depth <u>3970'</u>	Tool Weight <u>2100#</u>	
Bottom Packer Depth <u>3975'</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>4060'</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>180'</u>
Mud Wt. <u>9.1</u> LCM <u>2#</u> Vis. <u>54</u> WL <u>1144</u>	Drill Pipe Size <u>4 1/2"</u>	Ft. Run <u>3788</u>
Blow Description <u>IF: Weak blow, blow increase to 5". ISI: No blow.</u>		

EF: Weak blow, blow increase to 4". FSI: No blow.

Recovery - Total Feet <u>40</u>	GIP <u>225</u>	Ft. in DC <u>40</u>	Ft. in DP <u>0</u>
Rec. <u>40</u> Feet of <u>Reg. Mud.</u>	%gas	%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. _____ Feet of _____	%gas	%oil	%water %mud
BHT <u>110</u> °F Gravity <u>N/A</u> °API D @ _____	°F Corrected Gravity <u>N/A</u> °API		
RW <u>N.C.</u> @ _____ °F	Chlorides <u>10,000</u> ppm Recovery _____	Chlorides <u>10,000</u> ppm System	

(A) Initial Hydrostatic Mud	AK-1 Alpine <u>1984</u> PSI	Recorder No. <u>8167</u>	Test <u>✓ 1200</u>
(B) First Initial Flow Pressure	<u>30</u> PSI	(depth) <u>3976'</u>	Jars <u>✓ 250</u>
(C) First Final Flow Pressure	<u>27</u> PSI	Recorder No. <u>11019</u>	Safety Jt. <u>✓ 75</u>
(D) Initial Shut-In Pressure	<u>100</u> PSI	(depth) <u>4055'</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>24</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>31</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>85</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1882</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____

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Approved By Eldon Schierling
Our Representative Gary P. ...

Final Flow <u>40</u>	Ruined Packer _____
Final Shut-In <u>45</u>	Mileage <u>58</u> ✓ <u>72.50</u>
T-On Location <u>1330</u>	Sub Total: <u>1597.50</u>
T-Started <u>1440</u>	Std. By _____
T-Open <u>1713</u>	Acc. Chg: _____
T-Pulled <u>2004</u>	Other: _____
T-Out <u>2246</u>	Total: <u>1597.50</u>

CHART PAGE

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

