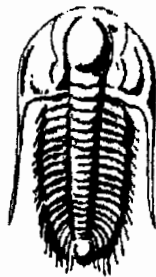


15-185-23434

3-24s-14w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Nacogdoches Oil & Gas**

PO Box 832418
Nacogdoches TX 75963

ATTN: Clarence Michaels

3 24 14W Stafford KS

Heyen # 2-3

Start Date: 2007.08.02 @ 00:42:26

End Date: 2007.08.02 @ 10:06:56

Job Ticket #: 28383 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

PO Box 832418
Nacogdoches TX 75963

ATTN: Clarence Michaels

Heyen # 2-3

3 24 14W Stafford KS

Job Ticket: 28383

DST#: 1

Test Start: 2007.08.02 @ 00:42:26

GENERAL INFORMATION:

Formation: **Mississippi**

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

Time Tool Opened: 03:45:26

Time Test Ended: 10:06:56

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 24

Interval: **3974.00 ft (KB) To 4004.00 ft (KB) (TVD)**

Total Depth: **4004.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1958.00 ft (KB)**

1950.00 ft (CF)

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

Serial #: **6752**

Inside

Press@RunDepth: **77.09 psig @ 3975.00 ft (KB)**

Start Date: **2007.08.02**

End Date:

2007.08.02

Start Time: **00:42:31**

End Time:

10:06:56

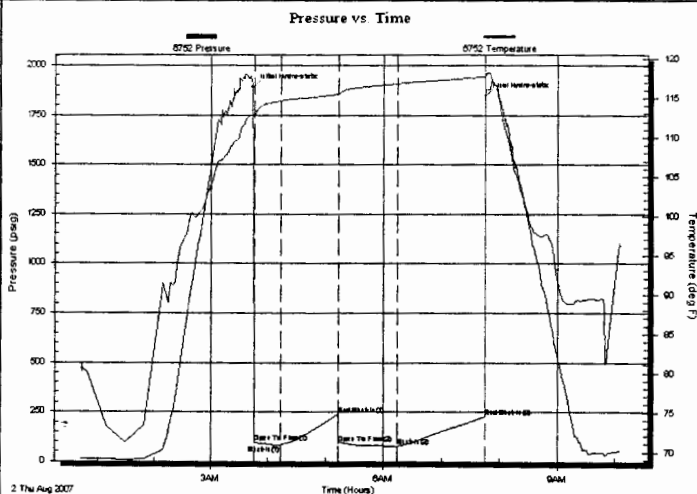
Capacity: **7000.00 psig**

Last Calib.: **2007.08.02**

Time On Btm: **2007.08.02 @ 03:43:26**

Time Off Btm: **2007.08.02 @ 07:44:40**

TEST COMMENT: IF Fair Blow 5 1/2 inches
ISI Bled Off No Blow back
FF Fair blow 6 1/2 inches
FSI Bled Off No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1890.81	112.78	Initial Hydro-static
2	95.91	112.47	Open To Flow (1)
30	82.43	114.65	Shut-In(1)
90	237.71	115.51	End Shut-In(1)
90	93.35	115.46	Open To Flow (2)
151	77.09	116.85	Shut-In(2)
241	227.49	117.73	End Shut-In(2)
242	1846.10	118.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Mud	0.32

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Nacogdoches Oil & Gas

Heyen # 2-3

PO Box 832418
Nacogdoches TX 75963

3 24 14W Stafford KS

Job Ticket: 28383

DST#: 1

ATTN: Clarence Michaels

Test Start: 2007.08.02 @ 00:42:26

Tool Information

Drill Pipe:	Length: 3794.00 ft	Diameter: 3.80 inches	Volume: 53.22 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: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose:	64000.00 lb
		Total Volume:	54.09 bbl	Tool Chased	ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3974.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	59.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Circulating sub	1.00			3946.00	
Change Over Sub	1.00			3947.00	
Shut In Tool	5.00			3952.00	
Hydraulic tool	5.00			3957.00	
Jars	5.00			3962.00	
Safety Joint	3.00			3965.00	
Packer	5.00			3970.00	29.00 Bottom Of Top Packer
Packer	4.00			3974.00	
Stubb	1.00			3975.00	
Recorder	0.00	6752	Inside	3975.00	
Perforations	26.00			4001.00	
Recorder	0.00	6704	Outside	4001.00	
Bullnose	3.00			4004.00	30.00 Bottom Packers & Anchor

Total Tool Length: 59.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Nacogdoches Oil & Gas

Heyen # 2-3

PO Box 832418
Nacogdoches TX 75963

3 24 14W Stafford KS

Job Ticket: 28383

DST#: 1

ATTN: Clarence Michaels

Test Start: 2007.08.02 @ 00:42:26

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Mud	0.320

Total Length: 65.00 ft

Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6752

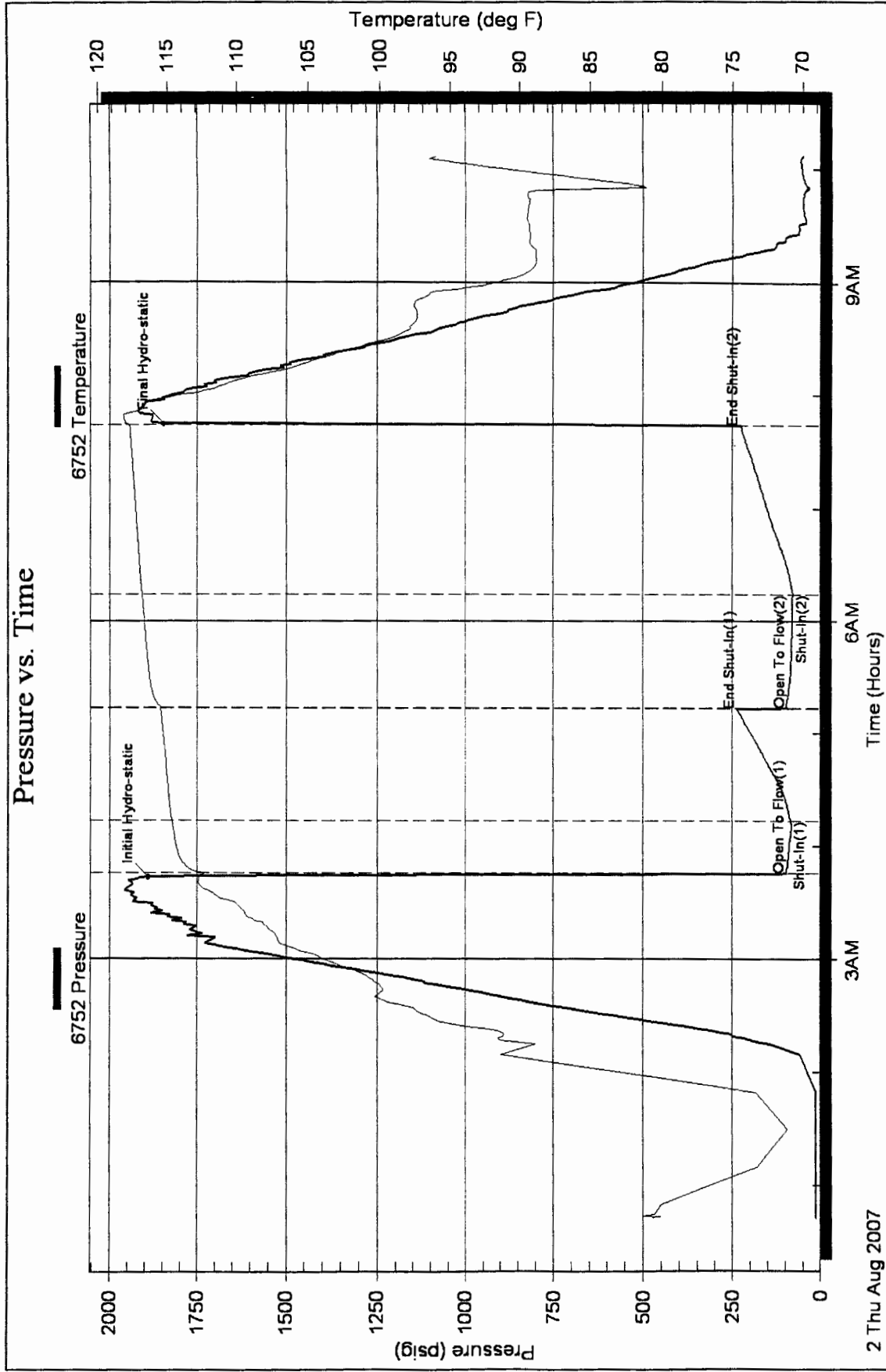
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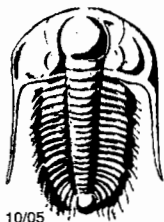
Nacogdoches Oil & Gas

3 24 14W Stafford KS

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28383

✓ 10454

Test Ticket

Well Name & No. <u>Heyen # 2-3</u>	Test No. <u>1</u>	Date <u>8/2/07</u>
Company <u>Nacogdoches Oil & Gas</u>	Zone Tested <u>Mississippi</u>	
Address <u>PO BOX 832418 Nacogdoches TX 75963</u>	Elevation <u>1958</u> KB <u>1950</u> GL	
Co. Rep / Geo. <u>clarence michaels</u>	Rig <u>Warren Rig # 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>3974</u> — <u>4004</u>	Initial Str Wt./Lbs. <u>62000</u>	Unseated Str Wt./Lbs. <u>62000</u>
Anchor Length <u>30</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>64000</u>
Top Packer Depth <u>3970</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3974</u>	Hole Size 7 7/8" <u>✓</u>	Rubber Size 6 3/4" <u>✓</u>
Total Depth <u>4004</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>176</u>
Mud Wt. <u>9.0</u> LCM <u>46</u> Vis. <u>46</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3774</u>

Blow Description IF: Fair Blow, 5 1/2 inches
ISI: Bled off, NO NO Blowback
FF: Fair Blow, 6 1/2 inches
FSL: Bled off, NO Blowback

Recovery - Total Feet <u>63</u>	GIP _____	Ft. in DC <u>63</u>	Ft. in DP _____
Rec. <u>65</u> Feet of <u>Mud</u>	%gas _____ %oil _____ %water <u>100</u> %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>118</u> °F Gravity <u>N/C</u> °API D @ <u>N/C</u>	°F Corrected Gravity <u>N/C</u> °API _____		
RW <u>N/C</u> @ <u>N/C</u> °F Chlorides <u>N/C</u> ppm Recovery <u>N/C</u>	Chlorides <u>7800</u> ppm System _____		

(A) Initial Hydrostatic Mud <u>1954</u> PSI	Recorder No. <u>6752</u>	Test <u>✓</u> <u>1200</u>
(B) First Initial Flow Pressure <u>96</u> PSI	(depth) <u>3975</u>	Jars <u>✓</u> <u>250</u>
(C) First Final Flow Pressure <u>82</u> PSI	Recorder No. <u>6704</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure <u>238</u> PSI	(depth) <u>4001</u>	Circ Sub _____
(E) Second Initial Flow Pressure <u>93</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure <u>77</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure <u>227</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud <u>1914</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____
	Final Flow <u>60</u>	Ruined Packer _____
	Final Shut-In <u>90</u>	Mileage <u>60</u> <u>75</u>

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Approved By Clarence Michaels

Our Representative [Signature]

T-On Location

T-Started 00:42
T-Open 03:45
T-Pulled 07:44
T-Out 101 06

Sub Total: _____
Std. By [Signature]
Acc. Chg: _____
Other: _____
Total: \$1600

CHART PAGE

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

Ticket # 28383

