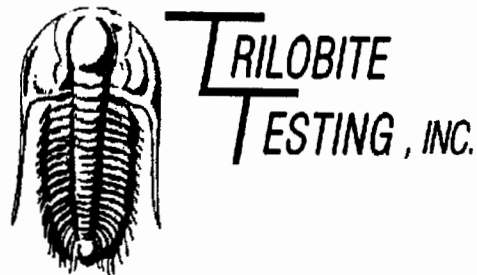


15-185-23449

2-24s-14w



DRILL STEM TEST REPORT

Prepared For: **Nacogdoches Oil & Gas**

PO Box 832418
Nacogdoches TX 75963

ATTN: Clarence Michaels

2 24 14W Stafford KS

Heyen #1-2

Start Date: 2007.06.28 @ 01:00:06

End Date: 2007.06.28 @ 11:45:51

Job Ticket #: 27922 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 #1-2

2 24 14W Stafford KS

Job Ticket: 27922

DST#: 1

Test Start: 2007.06.28 @ 01:00:06

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:42:51

Time Test Ended: 11:45:51

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 24

Interval: **4035.00 ft (KB) To 4080.00 ft (KB) (TVD)**

Total Depth: 4080.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1961.00 ft (KB)

1953.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6752 Inside

Press@RunDepth: 140.49 psig @ 4036.00 ft (KB)

Start Date: 2007.06.28

End Date:

2007.06.28

Start Time: 01:00:11

End Time:

11:45:51

Capacity: 7000.00 psig

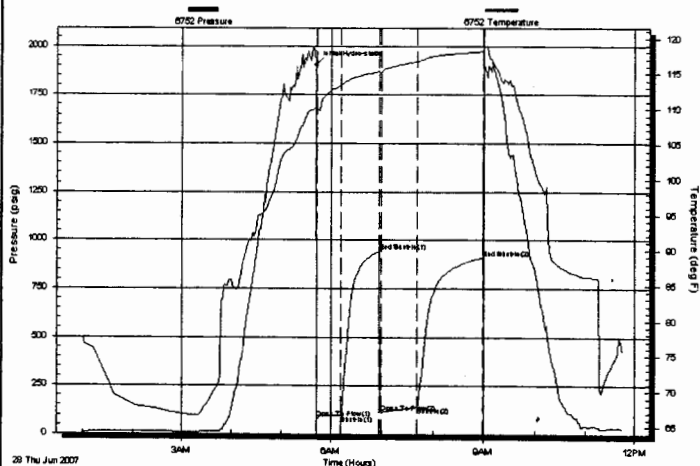
Last Calib.: 2007.06.28

Time On Btm: 2007.06.28 @ 05:41:05

Time Off Btm:

TEST COMMENT: IF Strong Blow BOB in 7 minutes
ISI Bled Off Blow back Built To 2 inches
FF Strong Blow BOB in 1 1/2 minutes
FSI Bled Off Blow back Built To 5 inches

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1903.44	110.22	Initial Hydro-static
2	82.02	109.85	Open To Flow (1)
31	97.34	113.41	Shut-In (1)
76	941.91	115.29	End Shut-In (1)
78	111.20	115.15	Open To Flow (2)
121	140.49	116.71	Shut-In (2)
198	909.85	118.15	End Shut-In (2)

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP 3735 Feet	0.00
120.00	GSY SOWCM 8%G 7%O 39%W 46%M	0.59
178.00	GSY OCM 14%G 14%O 72%M	1.97

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 #1-2

PO Box 832418
Nacogdoches TX 75963

2 24 14W Stafford KS

ATTN: Clarence Michaels

Job Ticket: 27922

DST#:1

Test Start: 2007.06.28 @ 01:00:06

Tool Information

Drill Pipe:	Length: 3855.00 ft	Diameter: 3.80 inches	Volume: 54.08 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: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	63000.00 lb
		Total Volume:	54.96 bbl	Tool Chased	ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4035.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	74.00 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			4007.00	
Change Over Sub	1.00			4008.00	
Shut In Tool	5.00			4013.00	
Hydraulic tool	5.00			4018.00	
Jars	5.00			4023.00	
Safety Joint	3.00			4026.00	
Packer	5.00			4031.00	29.00 Bottom Of Top Packer
Packer	4.00			4035.00	
Stubb	1.00			4036.00	
Recorder	0.00	6752	Inside	4036.00	
Perforations	5.00			4041.00	
Drill Pipe	31.00			4072.00	
Perforations	5.00			4077.00	
Recorder	0.00	6704	Outside	4077.00	
Bullnose	3.00			4080.00	45.00 Bottom Packers & Anchor

Total Tool Length: 74.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Nacogdoches Oil & Gas

Heyen #1-2

PO Box 832418

2 24 14W Stafford KS

Nacogdoches TX 75963

Job Ticket: 27922

DST#: 1

ATTN: Clarence Michaels

Test Start: 2007.06.28 @ 01:00:06

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:

22000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GIP 3735 Feet	0.000
120.00	GSY SOWCM 8%G 7%O 39%W 46%M	0.590
178.00	GSY OCM 14%G 14%O 72%M	1.969

Total Length: 298.00 ft

Total Volume: 2.559 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

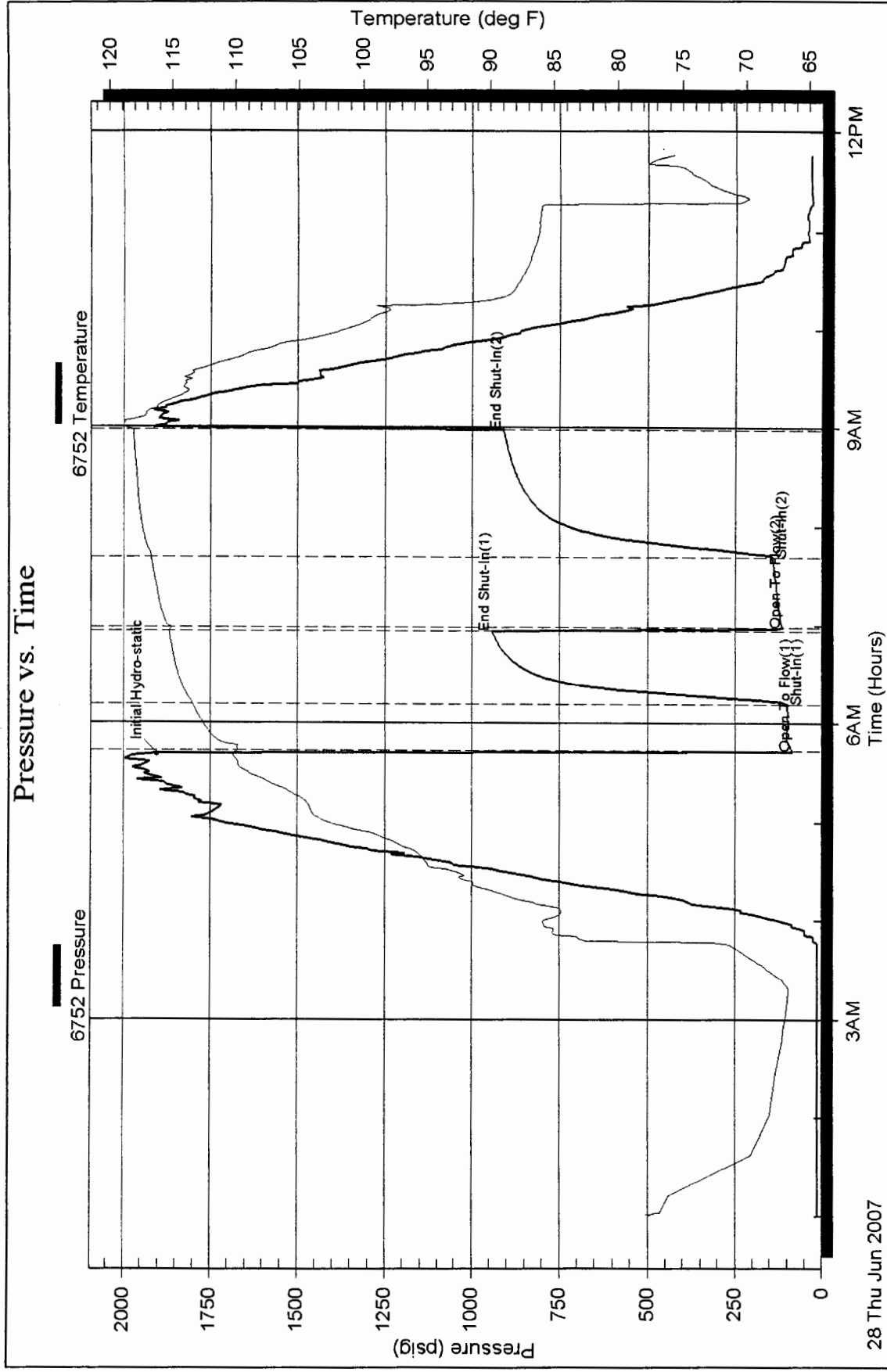
2 24 14W Stafford KS

Nacogdoches Oil & Gas

Inside

Serial #: 6752

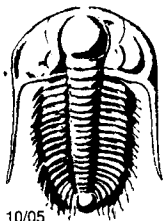
Pressure vs. Time



Ref. No: 27922

Trilobite Testing, Inc

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27922

10326

Test Ticket

Well Name & No. <u>Heyen #1-2</u>	Test No. <u>1</u>	Date <u>6/28/07</u>
Company <u>Nacogdoches oil & Gas</u>	Zone Tested <u>Mississippi</u>	
Address <u>PO Box 832418 Nacogdoches TX 75963</u>	Elevation <u>1961</u> KB <u>1953</u> GL	
Co. Rep / Geo. <u>Clarence Michaels</u>	Rig <u>Warren rig #17</u>	
Location: Sec. <u>2</u> Twp. <u>24 S</u> Rge. <u>14 W</u>	Co. <u>Stafford</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>4035 - 4080</u>	Initial Str Wt./Lbs. <u>60,000</u>	Unseated Str Wt./Lbs. <u>63,000</u>
Anchor Length <u>45</u>	Wt. Set Lbs. <u>20,600</u>	Wt. Pulled Loose/Lbs. <u>63,000</u>
Top Packer Depth <u>4031</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4035</u>	Hole Size <u>7 7/8" ✓</u>	Rubber Size <u>6 3/4" ✓</u>
Total Depth <u>4080</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>178</u>
Mud Wt. <u>8.8</u> LCM <u>3</u> Vis. <u>54</u> WL <u>9.2</u>	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3855</u>
Blow Description <u>FF: Strong Blow, BOB in 7 minutes</u>		
<u>ISI: Bled off, Blowback Built to 2 inches</u>		
<u>FF: Strong Blow, BOB in 1 1/2 minutes</u>		
<u>FSI: Bled off, Blowback Built to 5 inches</u>		
Recovery - Total Feet <u>298</u>	GIP <u>3735</u>	Ft. in DC <u>178</u> Ft. in DP <u>120</u>
Rec. <u>178</u>	Feet of <u>6540 CM</u>	<u>14%</u> gas <u>14%</u> oil <u>%</u> water <u>72%</u> mud
Rec. <u>120</u>	Feet of <u>65450 WCM</u>	<u>8%</u> gas <u>7%</u> oil <u>39%</u> water <u>46%</u> mud
Rec. _____	Feet of _____	<u>%</u> gas <u>%</u> oil <u>%</u> water <u>%</u> mud
Rec. _____	Feet of _____	<u>%</u> gas <u>%</u> oil <u>%</u> water <u>%</u> mud
Rec. _____	Feet of _____	<u>%</u> gas <u>%</u> oil <u>%</u> water <u>%</u> mud
BHT <u>118</u>	*F Gravity <u>NIC</u>	*API D @ <u>NIC</u> *F Corrected Gravity <u>NIC</u> *API
RW <u>.33</u>	@ <u>71.5</u> *F	Chlorides <u>22000</u> ppm Recovery _____ Chlorides <u>7500</u> ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1996	PSI	6752	✓ 1200
(B) First Initial Flow Pressure	82	PSI	4036	✓ 250
(C) First Final Flow Pressure	97	PSI	6704	✓ 75
(D) Initial Shut-In Pressure	942	PSI	4077	
(E) Second Initial Flow Pressure	111	PSI		
(F) Second Final Flow Pressure	140	PSI		
(G) Final Shut-In Pressure	910	PSI	Initial Opening	30
(Q) Final Hydrostatic Mud	1915	PSI	Initial Shut-In	45
			Final Flow	45
			Final Shut-In	75
			T-On Location	00:45
			T-Started	01:00
			T-Open	05:42
			T-Pulled	08:58
			T-Out	11:45
			Ext. Packer	
			Shale Packer	
			Ruined Packer	
			Mileage	60 75
			Sub Total:	1 100
			Std. By	
			Acc. Chg:	
			Other:	
			Total:	\$1700.00

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Approved By Clarence Michaels

Our Representative [Signature]

CHART PAGE

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

27922

