

## DRILL STEM TEST REPORT

Prepared For: **Ares Energy LTD**

303 W Wall St Ste 900  
Midland TX 79701

ATTN: Henry Clanton

**33 33 20 Comanche KS**

**Reynolds#1-33**

Start Date: 2007.07.04 @ 20:44:38

End Date: 2007.07.05 @ 05:23:23

Job Ticket #: 27959                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Ares Energy LTD

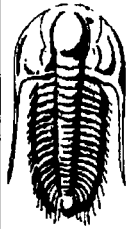
Reynolds#1-33

33 33 20 Comanche KS

DST # 1

Morrow

2007.07.04



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Ares Energy LTD  
 303 W Wall St Ste 900  
 Midland TX 79701  
 ATTN: Henry Clanton

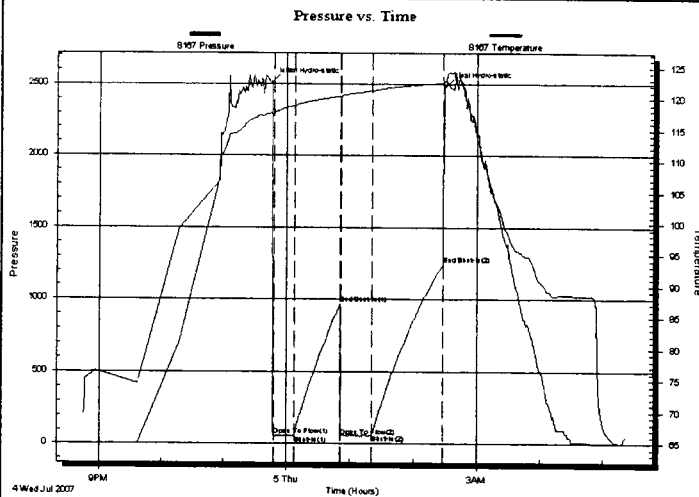
**Reynolds#1-33**  
**33 33 20 Comanche KS**  
 Job Ticket: 27959      **DST#: 1**  
 Test Start: 2007.07.04 @ 20:44:38

## GENERAL INFORMATION:

Formation: **Morrow**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 23:48:38  
 Time Test Ended: 05:23:23  
 Interval: **5183.00 ft (KB) To 5300.00 ft (KB) (TVD)**  
 Total Depth: **5300.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Gary Pevoteaux**  
 Unit No: **39**  
 Reference Elevations: **1804.00 ft (KB)**  
                                  **1791.00 ft (CF)**  
                                  **KB to GR/CF: 13.00 ft**

**Serial #: 8167**      **Inside**  
 Press@RunDepth: **61.78 psig @ 5184.00 ft (KB)**  
 Start Date: **2007.07.04**      End Date: **2007.07.05**  
 Start Time: **20:44:43**      End Time: **05:23:23**  
 Capacity: **7000.00 psig**  
 Last Calib.: **2007.07.05**  
 Time On Btm: **2007.07.04 @ 23:46:23**  
 Time Off Btm: **2007.07.05 @ 02:30:08**

**TEST COMMENT:** IF Strong blow BOB in 2 mins.  
 ISI No blow  
 FF Strong blow BOB immediately  
 FSI No blow



## PRESSURE SUMMARY

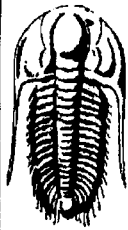
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2509.33	117.76	Initial Hydro-static
3	56.98	117.62	Open To Flow (1)
21	59.31	118.90	Shut-In (1)
65	968.14	120.38	End Shut-In (1)
66	47.32	120.10	Open To Flow (2)
95	61.78	121.28	Shut-In (2)
162	1245.96	122.52	End Shut-In (2)
164	2482.38	122.88	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
115.00	GCM 8%G 92%M	0.57
0.00	3980 ft. of GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Ares Energy LTD  
303 W Wall St Ste 900  
Midland TX 79701  
ATTN: Henry Clanton

**Reynolds#1-33**  
**33 33 20 Comanche KS**  
Job Ticket: 27959      **DST#: 1**  
Test Start: 2007.07.04 @ 20:44:38

**Tool Information**

Drill Pipe:	Length: 4987.00 ft	Diameter: 3.80 inches	Volume: 69.95 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: 26000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 119000.0 lb
			<u>Total Volume: 70.84 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5183.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	117.00 ft			
Tool Length:	148.00 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			5153.00	
Shut In Tool	5.00			5158.00	
Sampler	3.00			5161.00	
Hydraulic tool	5.00			5166.00	
Jars	5.00			5171.00	
Safety Joint	3.00			5174.00	
Packer	4.00			5178.00	31.00 Bottom Of Top Packer
Packer	5.00			5183.00	
Stubb	1.00			5184.00	
Recorder	0.00	8167	Inside	5184.00	
Perforations	5.00			5189.00	
Change Over Sub	1.00			5190.00	
Blank Spacing	95.00			5285.00	
Change Over Sub	1.00			5286.00	
Perforations	9.00			5295.00	
Recorder	0.00	11019	Outside	5295.00	
Bullnose	5.00			5300.00	117.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>148.00</b>				



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Ares Energy LTD  
303 W Wall St Ste 900  
Midland TX 79701  
ATTN: Henry Clanton

**Reynolds#1-33**  
**33 33 20 Comanche KS**  
Job Ticket: 27959      **DST#: 1**  
Test Start: 2007.07.04 @ 20:44:38

## 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:	4000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	Gas Cushion Type:	
Water Loss: 10.37 in <sup>3</sup>	Gas Cushion Pressure: psig		
Resistivity: 0.00 ohm.m			
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
115.00	GCM 8%G 92%M	0.566
0.00	3980 ft.of GIP	0.000

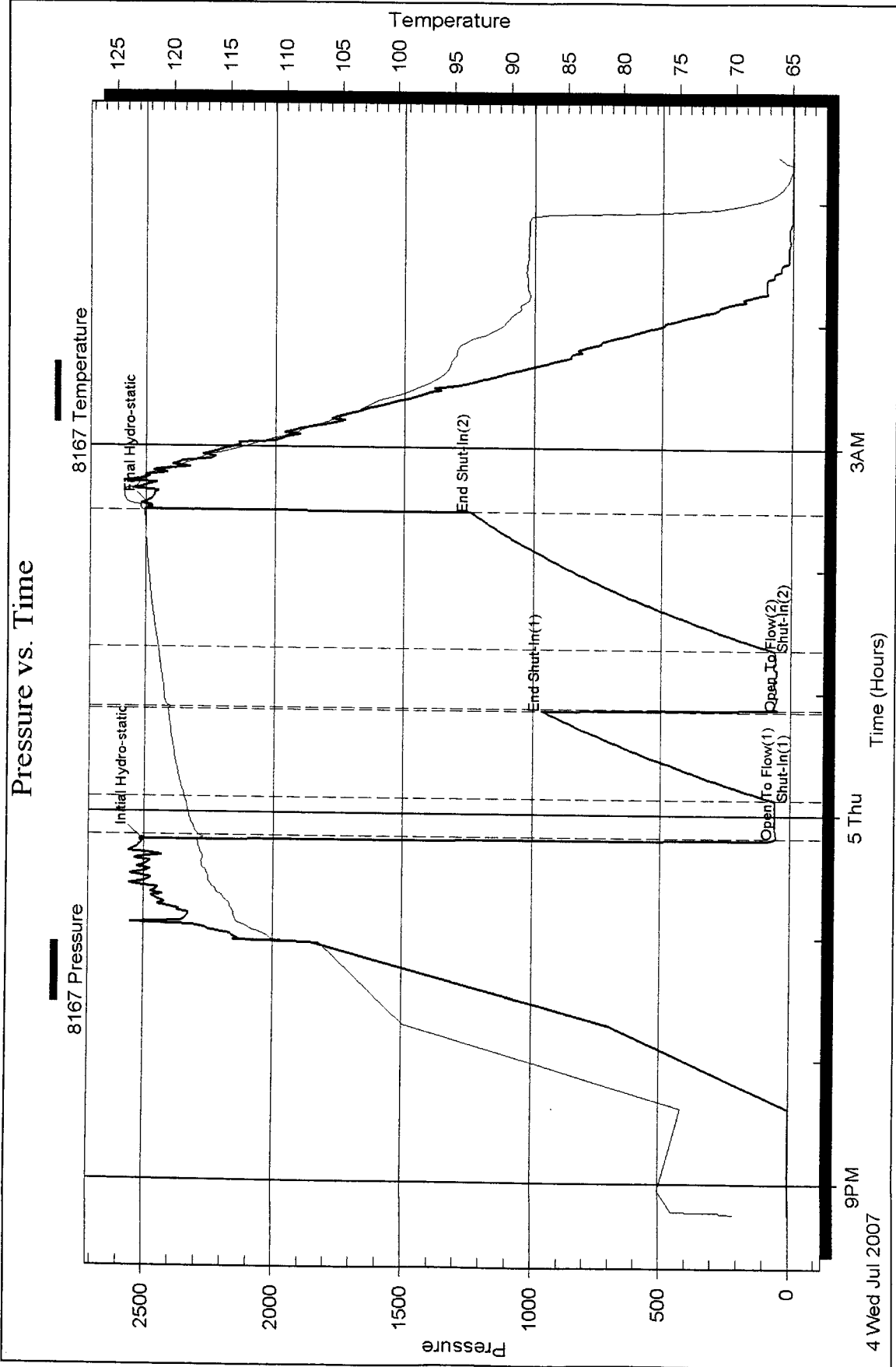
Total Length: 115.00 ft      Total Volume: 0.566 bbl

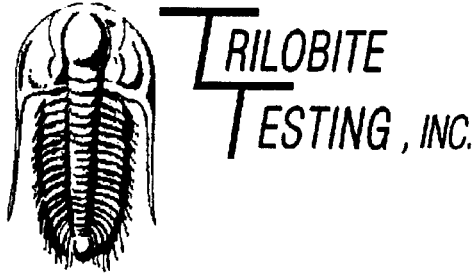
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments: SAMPLER DATA: 2.2 Cubic ft. gas, 1410 ML. Drlg.mud, LCM & Cuttings @ 865 PSI.

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Ares Energy LTD**

303 W Wall St Ste 900  
Midland TX 79701

ATTN: Henry Clanton

**33 33 20 Comanche KS**

**Reynolds#1-33**

Start Date: 2007.07.08 @ 01:54:55

End Date: 2007.07.08 @ 11:04:55

Job Ticket #: 26985                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Ares Energy LTD

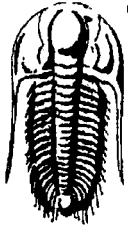
Reynolds#1-33

33 33 20 Comanche KS

DST # 2

Osage

2007.07.08



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Ares Energy LTD  
 303 W Wall St Ste 900  
 Midland TX 79701  
 ATTN: Henry Clanton

**Reynolds#1-33**  
**33 33 20 Comanche KS**  
 Job Ticket: 26985      **DST#: 2**  
 Test Start: 2007.07.08 @ 01:54:55

**GENERAL INFORMATION:**

Formation: **Osage**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:41:55  
 Time Test Ended: 11:04:55

Test Type: Conventional Bottom Hole  
 Tester: Jerry Adams/ Zack St  
 Unit No: 36

Interval: **5871.00 ft (KB) To 5950.00 ft (KB) (TVD)**  
 Total Depth: 5950.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1804.00 ft (KB)  
 1791.00 ft (CF)  
 KB to GR/CF: 13.00 ft

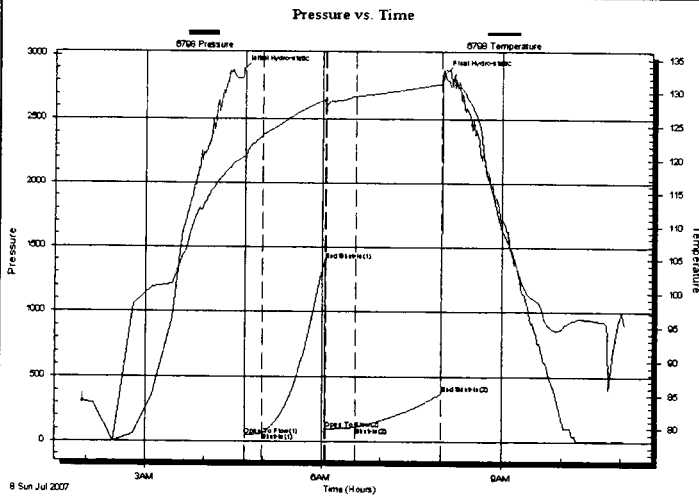
**Serial #: 6798**

Inside

Press@RunDepth: 112.44 psig @ 5873.00 ft (KB)  
 Start Date: 2007.07.08 End Date: 2007.07.08  
 Start Time: 01:55:00 End Time: 11:04:55

Capacity: 7000.00 psig  
 Last Calib.: 2007.07.08  
 Time On Btm: 2007.07.08 @ 04:39:55  
 Time Off Btm: 2007.07.08 @ 08:02:25

TEST COMMENT: IF Weak blow Built to 2 "  
 ISI No blow  
 FF Weak surface blow Dead in 26 mins.  
 FSI No blow



**PRESSURE SUMMARY**

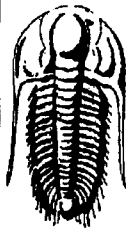
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2884.68	120.44	Initial Hydro-static
2	44.92	119.77	Open To Flow (1)
20	66.05	123.64	Shut-in(1)
83	1394.59	128.88	End Shut-in(1)
85	99.47	128.22	Open To Flow (2)
114	112.44	129.38	Shut-in(2)
200	375.45	131.29	End Shut-in(2)
203	2855.85	133.25	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
180.00	Drilling Mud 100%M	0.90
0.00		0.00

**Gas Rates**

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



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**TOOL DIAGRAM**

Ares Energy LTD  
303 W Wall St Ste 900  
Midland TX 79701  
ATTN: Henry Clanton

**Reynolds#1-33**  
**33 33 20 Comanche KS**  
Job Ticket: 26985      **DST#: 2**  
Test Start: 2007.07.08 @ 01:54:55

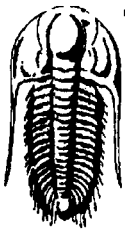
**Tool Information**

Drill Pipe:	Length: 5689.00 ft	Diameter: 3.80 inches	Volume: 79.80 bbl	Tool Weight: 2600.00 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: 106000.0 lb
			<u>Total Volume: 80.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 86000.00 lb
Depth to Top Packer:	5871.00 ft			Final 86000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	110.00 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			5845.00	
Sampler	3.00			5848.00	
Hydraulic tool	5.00			5853.00	
Jars	5.00			5858.00	
Safety Joint	3.00			5861.00	
Packer	5.00			5866.00	31.00 Bottom Of Top Packer
Packer	5.00			5871.00	
Stubb	1.00			5872.00	
Change Over Sub	1.00			5873.00	
Recorder	0.00	6798	Inside	5873.00	
Blank Spacing	62.00			5935.00	
Change Over Sub	1.00			5936.00	
Perforations	11.00			5947.00	
Recorder	0.00	13249	Outside	5947.00	
Bullnose	3.00			5950.00	79.00 Bottom Packers & Anchor

**Total Tool Length: 110.00**



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## FLUID SUMMARY

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303 W Wall St Ste 900  
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ATTN: Henry Clanton

**Reynolds#1-33**  
**33 33 20 Comanche KS**  
Job Ticket: 26985      **DST#: 2**  
Test Start: 2007.07.08 @ 01:54:55

### 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: 53.00 sec/qt	Cushion Volume: bbl	Gas Cushion Type:	
Water Loss: 8.75 in <sup>3</sup>	Gas Cushion Pressure: psig		
Resistivity: 0.00 ohm.m			
Salinity: 3000.00 ppm			
Filter Cake: 0.02 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	Drilling Mud 100%M	0.903
0.00		0.000

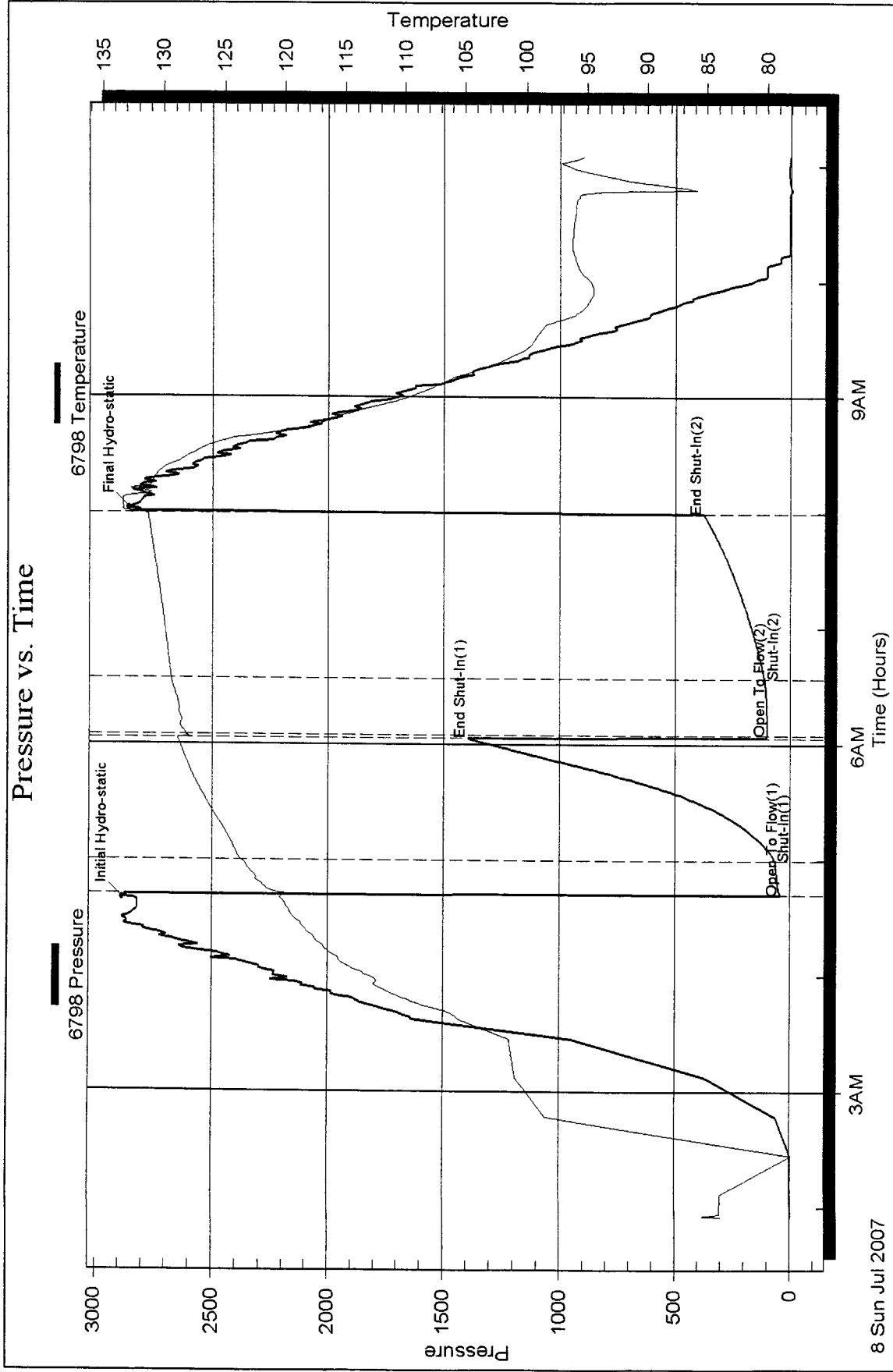
Total Length: 180.00 ft      Total Volume: 0.903 bbl

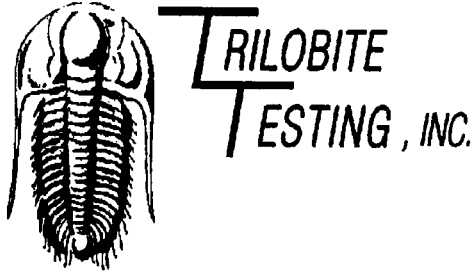
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments: Sampler Data:  
No data recovered.

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Ares Energy LTD**

303 W Wall St Ste 900  
Midland TX 79701

ATTN: Henry Clanton

**33 33 20 Comanche KS**

**Reynolds#1-33**

Start Date: 2007.07.10 @ 17:01:32

End Date: 2007.07.11 @ 08:10:17

Job Ticket #: 28376                      DST #: 3

Trilobite Testing, Inc

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Ares Energy LTD

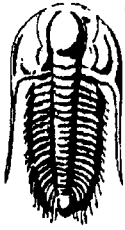
Reynolds#1-33

33 33 20 Comanche KS

DST # 3

Viola

2007.07.10



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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 Midland TX 79701  
 ATTN: Henry Clanton

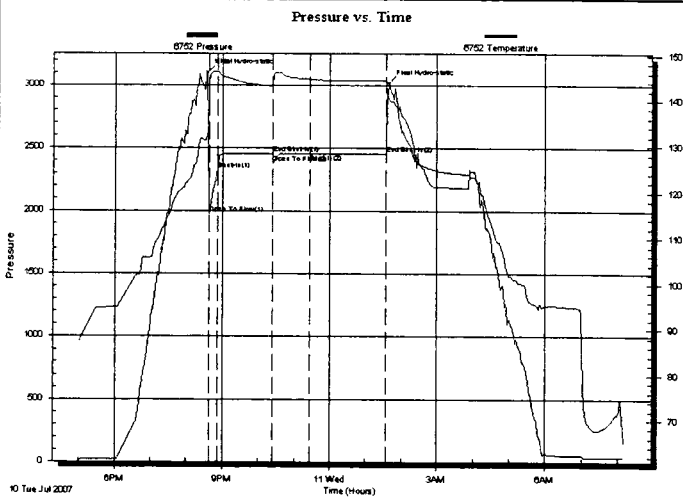
**Reynolds#1-33**  
**33 33 20 Comanche KS**  
 Job Ticket: 28376 **DST#: 3**  
 Test Start: 2007.07.10 @ 17:01:32

## GENERAL INFORMATION:

Formation: **Viola**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 20:38:02  
 Time Test Ended: 08:10:17  
 Interval: **6292.00 ft (KB) To 6320.00 ft (KB) (TVD)**  
 Total Depth: **6320.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Leal Cason**  
 Unit No: **24**  
 Reference Elevations: **1804.00 ft (KB)**  
**1791.00 ft (CF)**  
 KB to GR/CF: **13.00 ft**

**Serial #: 6752** **Inside**  
 Press@RunDepth: **2454.04 psig @ 6293.00 ft (KB)** Capacity: **7000.00 psig**  
 Start Date: **2007.07.10** End Date: **2007.07.11** Last Calib.: **2007.07.11**  
 Start Time: **17:01:37** End Time: **08:10:17** Time On Btm: **2007.07.10 @ 20:34:32**  
 Time Off Btm: **2007.07.11 @ 01:39:02**

**TEST COMMENT:** IF Strong Blow BOB in 45 seconds  
 ISI Bled Off Blow back Built To BOB in 45 minutes  
 FF Strong Blow BOB Immediate Died Back to 8 inches  
 FSI Bled Off Blow back Built To 1 inch



## PRESSURE SUMMARY

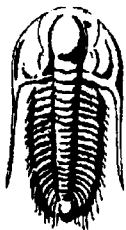
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3100.97	132.76	Initial Hydro-static
4	1975.04	144.02	Open To Flow (1)
18	2327.45	146.30	Shut-In(1)
109	2454.81	143.13	End Shut-In(1)
110	2377.66	143.55	Open To Flow (2)
173	2454.04	144.66	Shut-In(2)
300	2454.36	144.39	End Shut-In(2)
305	3017.83	140.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
4774.00	GSY Water 2%G 98%W	65.33
300.00	GSY WCM 2%G 28%W 70%M	4.21

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Ares Energy LTD  
303 W Wall St Ste 900  
Midland TX 79701  
ATTN: Henry Clanton

**Reynolds#1-33**  
**33 33 20 Comanche KS**  
Job Ticket: 28376      **DST#: 3**  
Test Start: 2007.07.10 @ 17:01:32

### Tool Information

Drill Pipe:	Length: 6094.00 ft	Diameter: 3.80 inches	Volume: 85.48 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 120000.0 lb
			<u>Total Volume: 86.37 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 88000.00 lb
Depth to Top Packer:	6292.00 ft			Final 120000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:  
Dropped Bar, Reversed Out

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Circulating sub	1.00			6261.00	
Change Over Sub	1.00			6262.00	
Shut In Tool	5.00			6267.00	
Sampler	3.00			6270.00	
Hydraulic tool	5.00			6275.00	
Jars	5.00			6280.00	
Safety Joint	3.00			6283.00	
Packer	5.00			6288.00	32.00 Bottom Of Top Packer
Packer	4.00			6292.00	
Stubb	1.00			6293.00	
Recorder	0.00	6752	Inside	6293.00	
Perforations	24.00			6317.00	
Recorder	0.00	6704	Outside	6317.00	
Bullnose	3.00			6320.00	28.00 Bottom Packers & Anchor

**Total Tool Length: 60.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Ares Energy LTD  
303 W Wall St Ste 900  
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ATTN: Henry Clanton

**Reynolds#1-33**  
**33 33 20 Comanche KS**  
Job Ticket: 28376      **DST#: 3**  
Test Start: 2007.07.10 @ 17:01:32

**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:	14000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 0.20 inches			

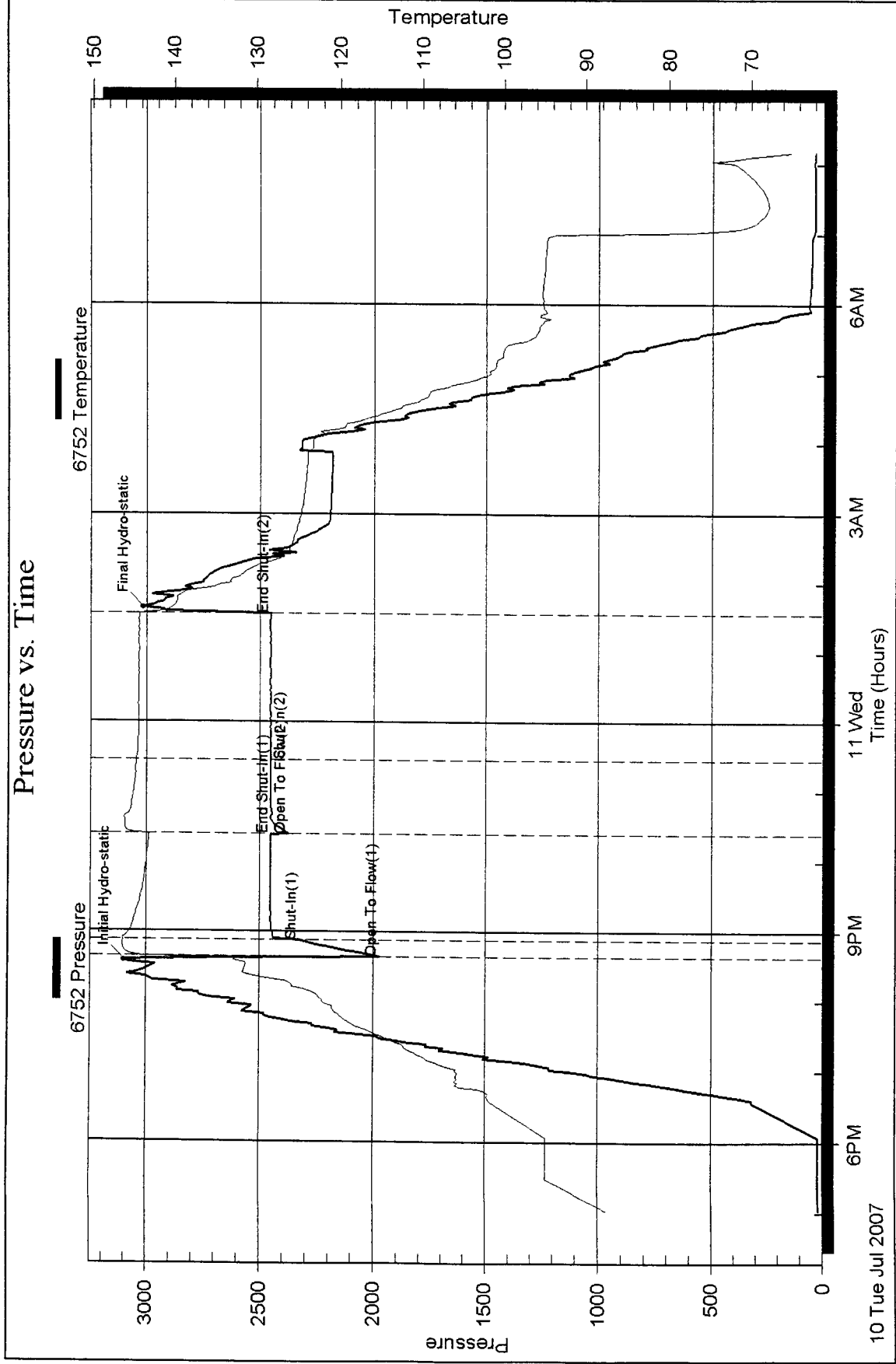
**Recovery Information**

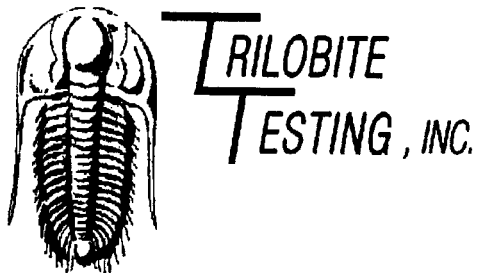
Recovery Table

Length ft	Description	Volume bbl
4774.00	GSY Water 2%G 98%W	65.327
300.00	GSY WCM 2%G 28%W 70%M	4.208

Total Length: 5074.00 ft      Total Volume: 69.535 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: Sampler Recovery 1.1 Cubic Feet Of Gas, 1950 ml Salt Water  
 .13@ 66 Degrees, 25000 Chl @450 PSI

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Ares Energy LTD**

303 W Wall St Ste 900  
Midland TX 79701

ATTN: Henry Clanton

**33 33 20 Comanche KS**

**Reynolds#1-33**

Start Date: 2007.07.13 @ 00:53:36

End Date: 2007.07.13 @ 13:48:36

Job Ticket #: 26986                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Ares Energy LTD

Reynolds#1-33

33 33 20 Comanche KS

DST # 4

Arbuckle

2007.07.13



**TRILOBITE TESTING, INC**

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 303 W Wall St Ste 900  
 Midland TX 79701  
 ATTN: Henry Canton

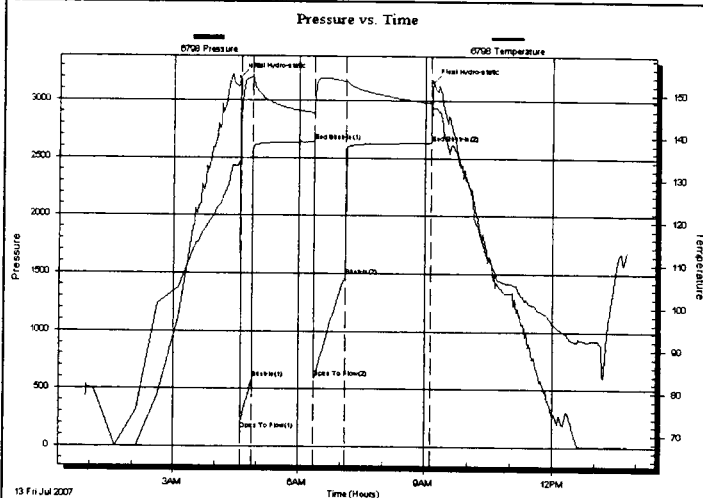
**Reynolds#1-33**  
**33 33 20 Comanche KS**  
 Job Ticket: 26986 **DST#: 4**  
 Test Start: 2007.07.13 @ 00:53:36

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: **No Whipstock:** ft (KB)  
 Time Tool Opened: 04:36:06  
 Time Test Ended: 13:48:36  
 Interval: **6620.00 ft (KB) To 6658.00 ft (KB) (TVD)**  
 Total Depth: 6658.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Jerry Adams  
 Unit No: 36  
 Reference Elevations: 1804.00 ft (KB)  
 1791.00 ft (CF)  
 KB to GR/CF: 13.00 ft

**Serial #: 6798** **Inside**  
 Press@RunDepth: 1475.65 psig @ 6621.00 ft (KB) Capacity: 7000.00 psig  
 Start Date: 2007.07.13 End Date: 2007.07.13 Last Calib.: 2007.07.13  
 Start Time: 00:53:41 End Time: 13:48:36 Time On Btm: 2007.07.13 @ 04:34:36  
 Time Off Btm: 2007.07.13 @ 09:10:06

**TEST COMMENT:** IF Strong blow BOB in 3 mins.  
 ISI Fair blow Built to 9 " in 30 mins. Decreased to 4 "  
 FF Strong blow BOB in 3 mins.  
 FSI Weak to fair blow Built to 10 " in 60 mins. Decreased to 6 "



## PRESSURE SUMMARY

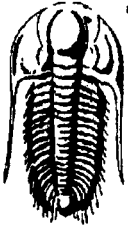
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3199.54	134.25	Initial Hydro-static
2	143.94	140.02	Open To Flow (1)
18	582.17	153.95	Shut-In(1)
108	2637.09	145.67	End Shut-In(1)
108	589.73	147.23	Open To Flow (2)
152	1475.65	153.07	Shut-In(2)
274	2629.28	147.54	End Shut-In(2)
276	3161.79	146.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3000.00	Saltwater 100%W	40.46
250.00	Muddy Saltwater 20%W 80%M	3.51
0.00	RW= .091 @ 82 deg. 70000 ppm	0.00
0.00		0.00

## Gas Rates

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



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# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Ares Energy LTD  
303 W Wall St Ste 900  
Midland TX 79701  
ATTN: Henry Clanton

**Reynolds#1-33**  
**33 33 20 Comanche KS**  
Job Ticket: 26986      **DST#: 4**  
Test Start: 2007.07.13 @ 00:53:36

**Tool Information**

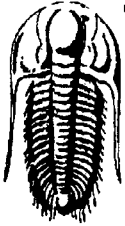
Drill Pipe:	Length: 6441.00 ft	Diameter: 3.80 inches	Volume: 90.35 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 120000.0 lb
			<u>Total Volume: 91.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	6620.00 ft			Final 108000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			6594.00	
Sampler	3.00			6597.00	
Hydraulic tool	5.00			6602.00	
Jars	5.00			6607.00	
Safety Joint	3.00			6610.00	
Packer	5.00			6615.00	31.00 Bottom Of Top Packer
Packer	5.00			6620.00	
Stubb	1.00			6621.00	
Recorder	0.00	6798	Inside	6621.00	
Perforations	34.00			6655.00	
Recorder	0.00	13249	Outside	6655.00	
Bullnose	3.00			6658.00	38.00 Bottom Packers & Anchor

**Total Tool Length: 69.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Ares Energy LTD  
303 W Wall St Ste 900  
Midland TX 79701  
ATTN: Henry Clanton

**Reynolds#1-33**  
**33 33 20 Comanche KS**  
Job Ticket: 26986      **DST#: 4**  
Test Start: 2007.07.13 @ 00:53:36

### 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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.02 inches			

### Recovery Information

Recovery Table

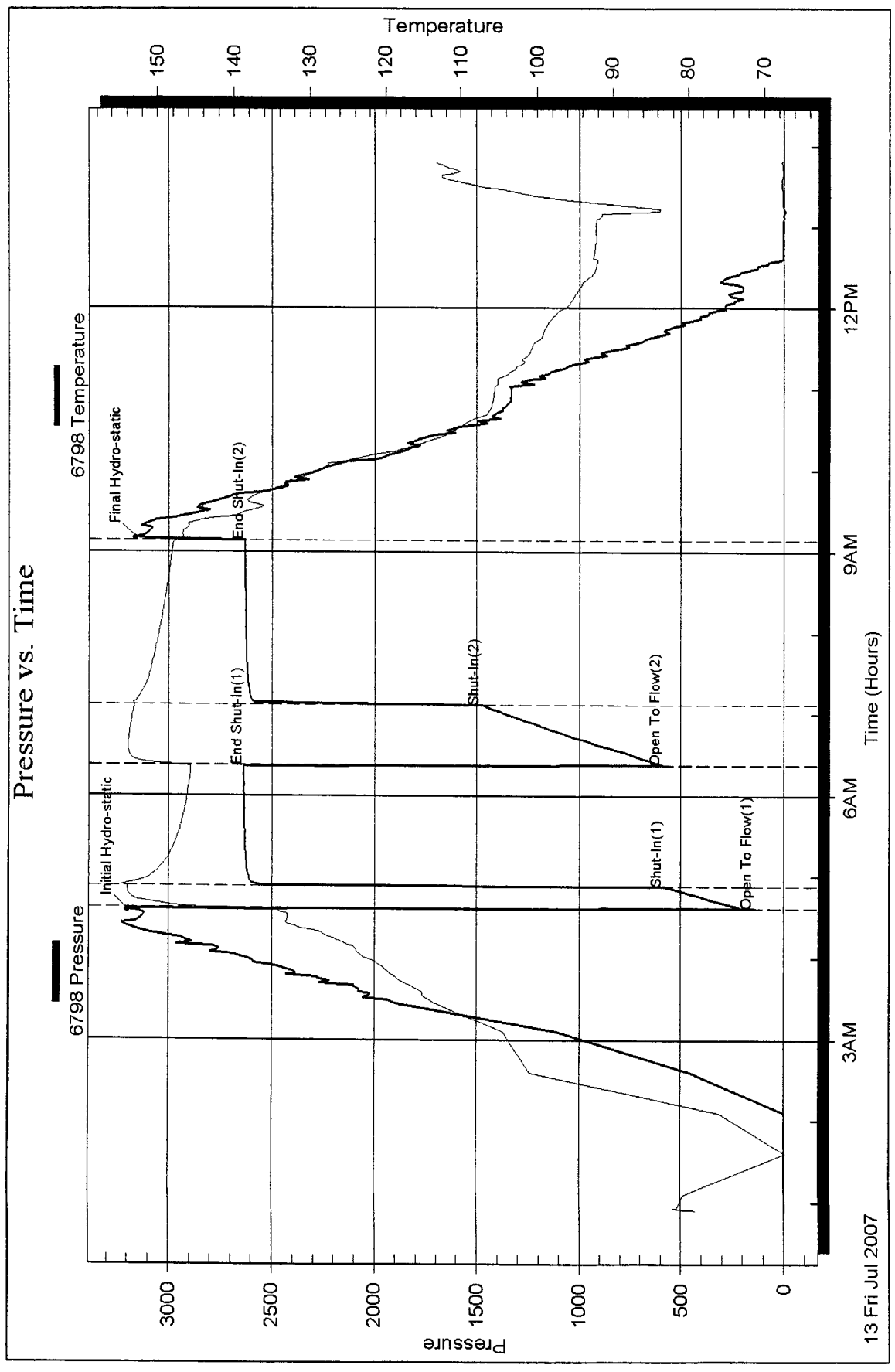
Length ft	Description	Volume bbl
3000.00	Saltwater 100%W	40.461
250.00	Muddy Saltwater 20%W 80%M	3.507
0.00	RW= .091 @ 82 deg. 70000 ppm	0.000
0.00		0.000

Total Length: 3250.00 ft      Total Volume: 43.968 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

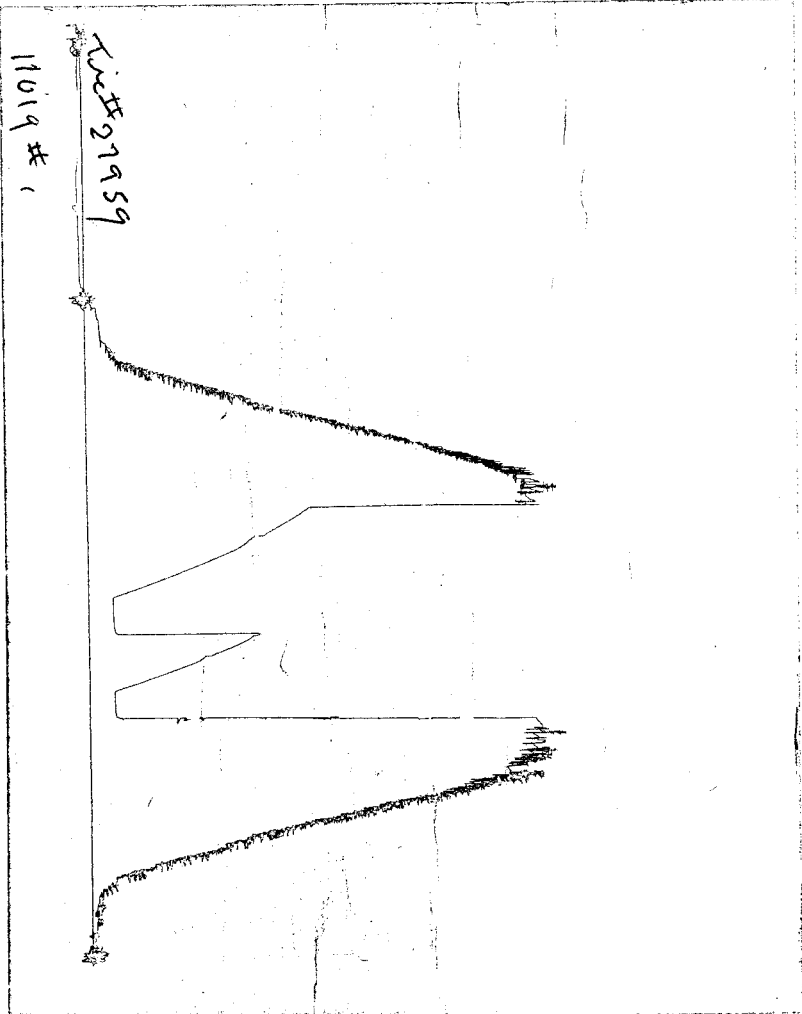
Laboratory Name:      Laboratory Location:

Recovery Comments: Sampler Data:  
200 mL Saltwater



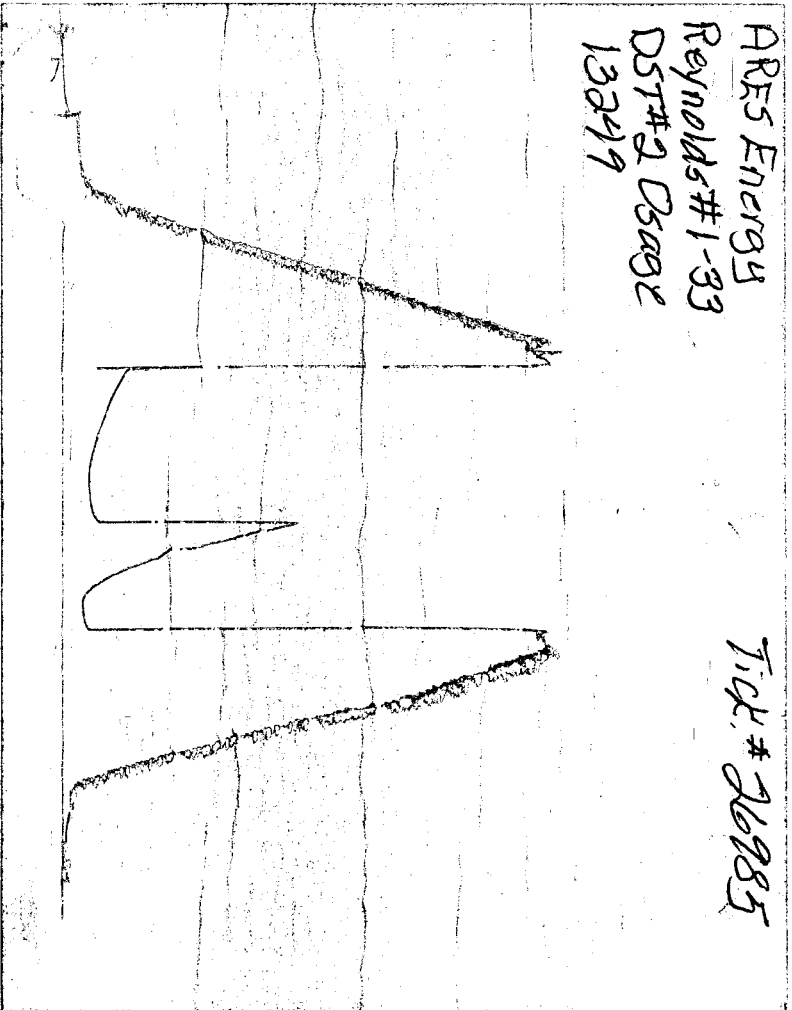
**CHART PAGE**

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



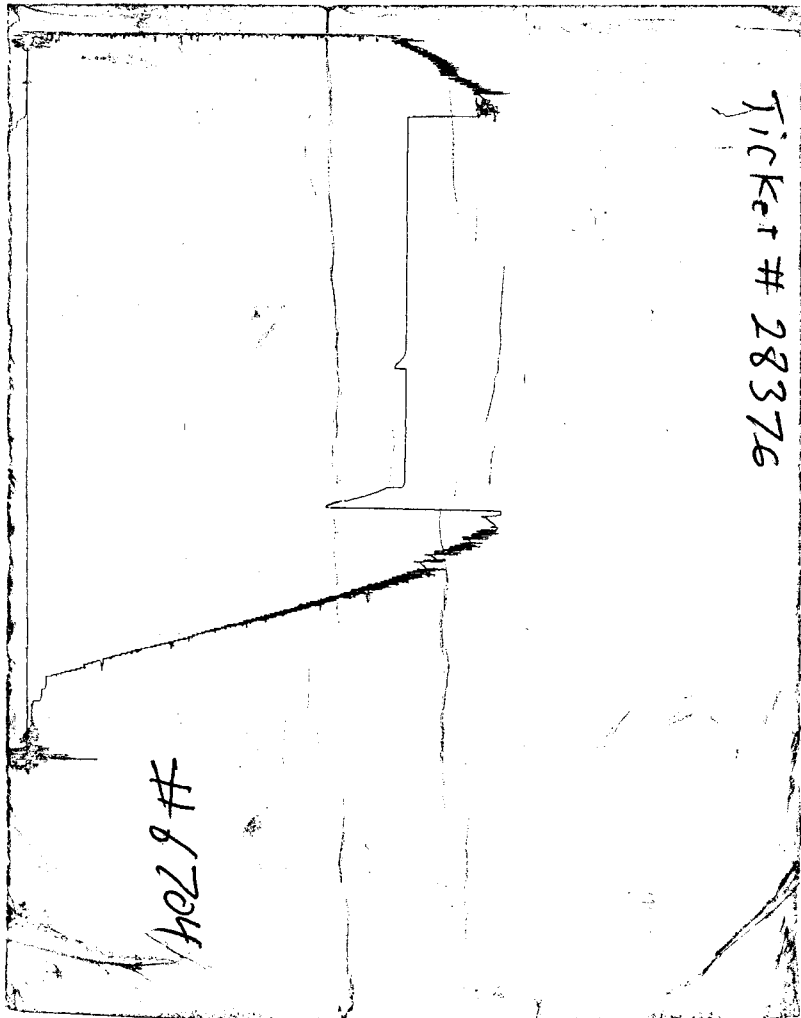
**CHART PAGE**

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



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