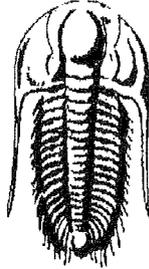


15-163-23763

21-8s-19w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays, Ks. 67601

ATTN: Clayton Erickson

21 8 19 Rooks KS

Zerger#1

Start Date: 2008.09.14 @ 04:36:34

End Date: 2008.09.14 @ 11:28:34

Job Ticket #: 32513 DST #: 1

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WICHITA, KS

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Tengasco Inc

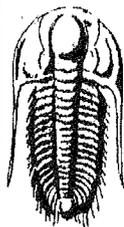
Zerger#1

21 8 19 Rooks KS

DST # 1

LKC-"A-B-C"

2008.09.14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc
PO Box 458
Hays, Ks. 67601
ATTN: Clayton Erickson

Zerger#1
21 8 19 Rooks KS
Job Ticket: 32513 **DST#: 1**
Test Start: 2008.09.14 @ 04:36:34

Tool Information

Drill Pipe:	Length: 3211.00 ft	Diameter: 3.80 inches	Volume: 45.04 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 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: 35000.00 lb
			<u>Total Volume: 45.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3214.00 ft			Final 33000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

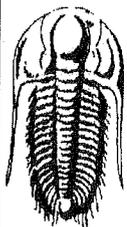
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3194.00	
Shut In Tool	5.00			3199.00	
Hydraulic tool	5.00			3204.00	
Packer	5.00			3209.00	21.00 Bottom Of Top Packer
Packer	5.00			3214.00	
Stubb	1.00			3215.00	
Perforations	1.00			3216.00	
Recorder	0.00	8360	Inside	3216.00	
Change Over Sub	1.00			3217.00	
Recorder	0.00	6755	Inside	3217.00	
Blank Spacing	31.00			3248.00	
Change Over Sub	1.00			3249.00	
Perforations	14.00			3263.00	
Bullnose	3.00			3266.00	52.00 Bottom Packers & Anchor

Total Tool Length: 73.00

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WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Zerger#1

PO Box 458
Hays, Ks. 67601

21 8 19 Rooks KS

Job Ticket: 32513

DST#: 1

ATTN: Clayton Erickson

Test Start: 2008.09.14 @ 04:36:34

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: lb/gal

Viscosity: sec/qt

Water Loss: in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 32 deg API

Water Salinity: 21000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Free Oil	0.561
120.00	VSOCMW-2%O-48%W-50%M	1.683
180.00	MW-95%W-5%M	2.525
0.00	80" Gas In Pipe	0.000

Total Length: 340.00 ft Total Volume: 4.769 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

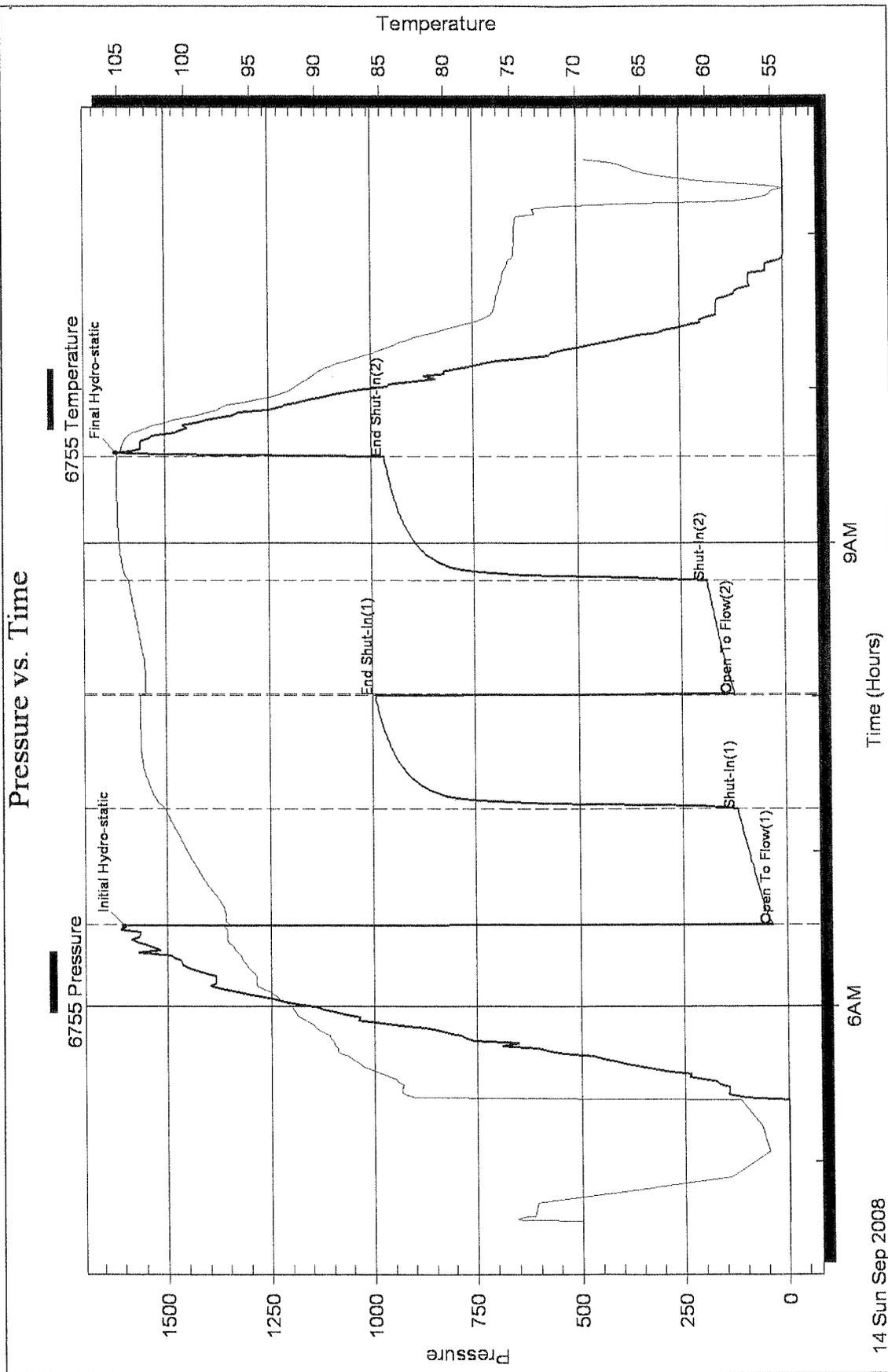
Serial #:

Laboratory Name:

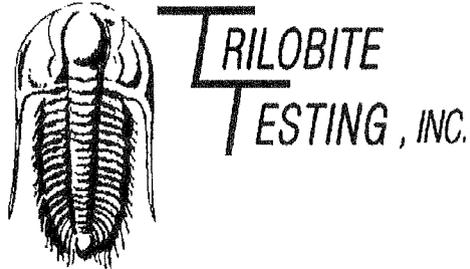
Laboratory Location:

Recovery Comments: .320@ 65F

Pressure vs. Time



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 CONSERVATION DIVISION
 WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays, Ks. 67601

ATTN: Clayton Erickson

21 8 19 Rooks KS

Zerger#1

Start Date: 2008.09.14 @ 19:11:12

End Date: 2008.09.14 @ 20:50:42

Job Ticket #: 32514 DST #: 2

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CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tengasco Inc
 PO Box 458
 Hays, Ks. 67601
 ATTN: Clayton Erickson

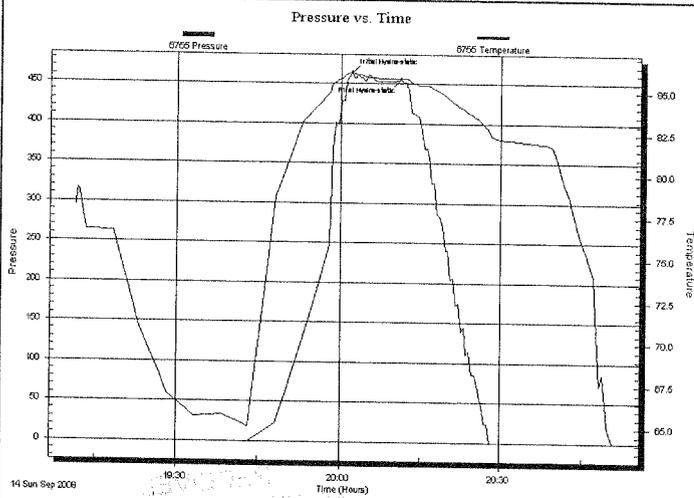
Zerger#1
21 8 19 Rooks KS
 Job Ticket: 32514 **DST#: 2**
 Test Start: 2008.09.14 @ 19:11:12

GENERAL INFORMATION:

Formation: **LKC-E-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended: 20:50:42
 Test Type: Conventional Bottom Hole
 Tester: Jason McLemore
 Unit No: 32
 Interval: **3291.00 ft (KB) To 3302.00 ft (KB) (TVD)**
 Total Depth: 3302.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good
 Reference Elevations: 2035.00 ft (KB)
 2028.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6755 **Inside**
 Press@RunDepth: psig @ 3294.00 ft (KB)
 Start Date: 2008.09.14 End Date: 2008.09.14 Capacity: 7000.00 psig
 Start Time: 19:11:14 End Time: 20:50:42 Last Calib.: 2008.09.15
 Time On Btm: 2008.09.14 @ 20:02:12
 Time Off Btm: 2008.09.14 @ 20:11:12

TEST COMMENT: Hit Bridge, Could'nt Get To Bottom With Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	463.53	86.14	Initial Hydro-static
9	455.04	85.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc
PO Box 458
Hays, Ks. 67601

ATTN: Clayton Erickson

Zerger#1
21 8 19 Rooks KS
Job Ticket: 32514 **DST#: 2**
Test Start: 2008.09.14 @ 19:11:12

Tool Information

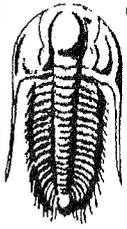
Drill Pipe:	Length: 3303.00 ft	Diameter: 3.80 inches	Volume: 46.33 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	lb
			Total Volume: 46.33 bbl	Tool Chased	ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	lb
Depth to Top Packer:	3291.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.00 ft				
Tool Length:	32.00 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			3271.00	
Shut In Tool	5.00			3276.00	
Hydraulic tool	5.00			3281.00	
Packer	5.00			3286.00	21.00 Bottom Of Top Packer
Packer	5.00			3291.00	
Stubb	1.00			3292.00	
Perforations	2.00			3294.00	
Recorder	0.00	8360	Inside	3294.00	
Recorder	0.00	6755	Inside	3294.00	
Perforations	5.00			3299.00	
Bullnose	3.00			3302.00	11.00 Bottom Packers & Anchor

Total Tool Length: 32.00

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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Zerger#1

PO Box 458
Hays, Ks. 67601

21 8 19 Rooks KS

Job Ticket: 32514

DST#: 2

ATTN: Clayton Erickson

Test Start: 2008.09.14 @ 19:11:12

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 3500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

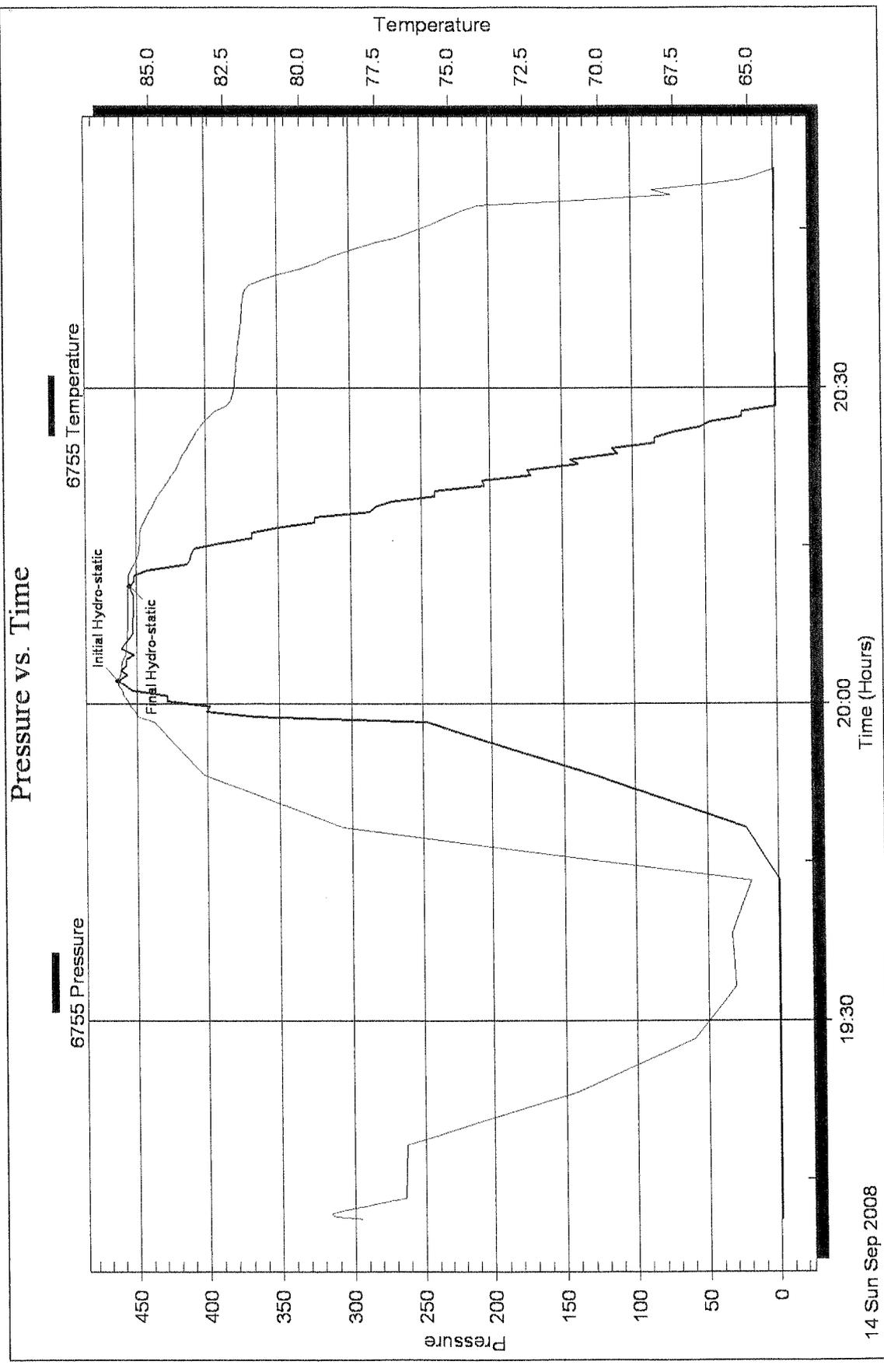
Serial #:

Laboratory Name:

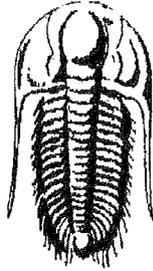
Laboratory Location:

Recovery Comments:

Pressure vs. Time



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 WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays, Ks. 67601

ATTN: Clayton Erickson

21 8 19 Rooks KS

Zerger#1

Start Date: 2008.09.15 @ 01:42:00

End Date: 2008.09.15 @ 07:24:30

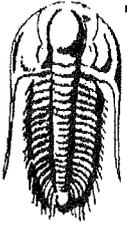
Job Ticket #: 32515 DST #: 3

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WICHITA, KS

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tengasco Inc

Zerger#1

PO Box 458
Hays, Ks. 67601

21 8 19 Rooks KS

Job Ticket: 32515

DST#: 3

ATTN: Clayton Erickson

Test Start: 2008.09.15 @ 01:42:00

GENERAL INFORMATION:

Formation: **LKC-"E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:46:30

Time Test Ended: 07:24:30

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 3291.00 ft (KB) To 3302.00 ft (KB) (TVD)

Total Depth: 3302.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2035.00 ft (KB)

2028.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6755

Inside

Press@RunDepth: 18.42 psig @ 3294.00 ft (KB)

Start Date: 2008.09.15

End Date:

2008.09.15

Capacity: 7000.00 psig

Last Calib.: 2008.09.15

Start Time: 01:42:02

End Time:

07:24:30

Time On Btm: 2008.09.15 @ 03:45:30

Time Off Btm: 2008.09.15 @ 05:50:30

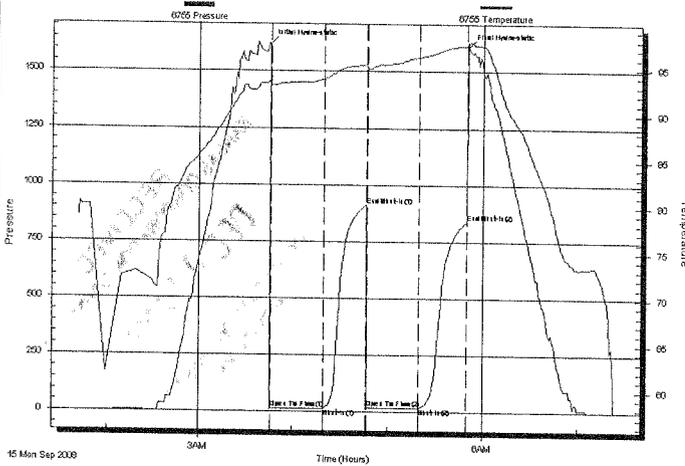
TEST COMMENT: IFP Weak Blow ,Built to 1/4"

ISI Dead

FFP Dead

FSI Dead

Pressure vs. Time



PRESSURE SUMMARY

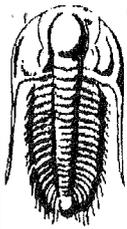
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1619.33	93.78	Initial Hydro-static
1	12.03	93.16	Open To Flow (1)
34	15.26	93.88	Shut-In (1)
61	911.43	95.43	End Shut-In (1)
62	16.28	94.96	Open To Flow (2)
94	18.42	96.23	Shut-In (2)
124	838.28	97.46	End Shut-In (2)
125	1609.12	97.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud W/Oil Specks	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

Zerger#1

PO Box 458
Hays, Ks. 67601

21 8 19 Rooks KS

Job Ticket: 32515

DST#: 3

ATTN: Clayton Erickson

Test Start: 2008.09.15 @ 01:42:00

Tool Information

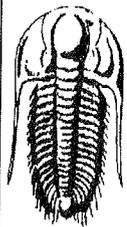
Drill Pipe:	Length: 3177.00 ft	Diameter: 3.80 inches	Volume: 44.56 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 35000.00 lb
		Total Volume: 45.17 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 31000.00 lb
Depth to Top Packer:	3291.00 ft			Final 31000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	32.00 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			3271.00	
Shut In Tool	5.00			3276.00	
Hydraulic tool	5.00			3281.00	
Packer	5.00			3286.00	21.00 Bottom Of Top Packer
Packer	5.00			3291.00	
Stubb	1.00			3292.00	
Perforations	2.00			3294.00	
Recorder	0.00	8360	Inside	3294.00	
Recorder	0.00	6755	Inside	3294.00	
Perforations	5.00			3299.00	
Bullnose	3.00			3302.00	11.00 Bottom Packers & Anchor

Total Tool Length: 32.00

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WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Zerger#1

PO Box 458
Hays, Ks. 67601

21 8 19 Rooks KS

Job Ticket: 32515

DST#: 3

ATTN: Clayton Erickson

Test Start: 2008.09.15 @ 01:42:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 3500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud W/Oil Specks	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

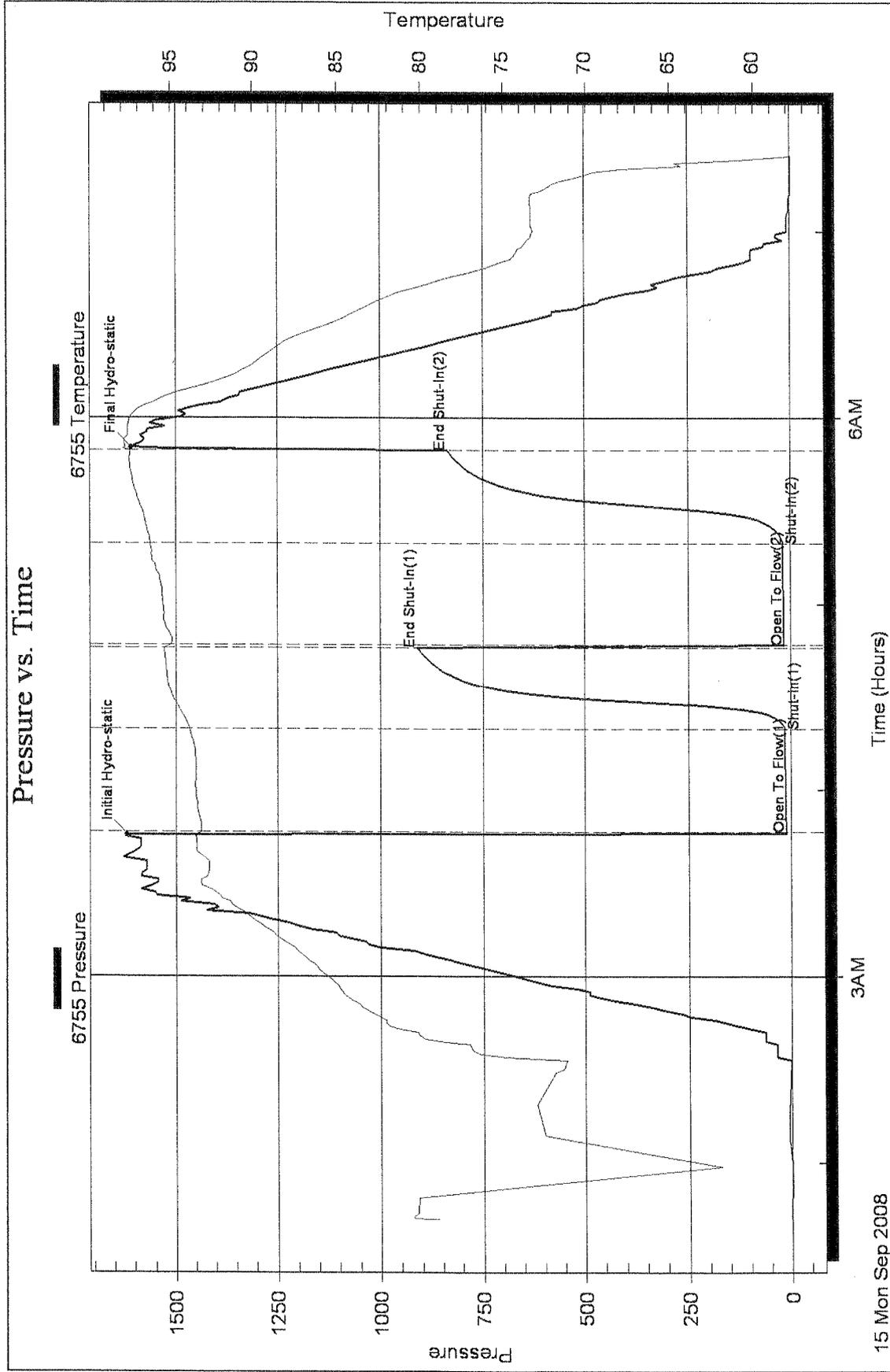
Laboratory Name:

Laboratory Location:

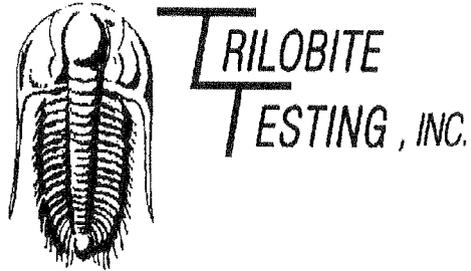
Recovery Comments:

[Faint handwritten notes and stamps, possibly including a date like 9/23/08]

Pressure vs. Time



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 WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays, Ks. 67601

ATTN: Clayton Erickson

21 8 19 Rooks KS

Zerger#1

Start Date: 2008.09.16 @ 05:40:59

End Date: 2008.09.16 @ 15:24:29

Job Ticket #: 32516 DST #: 4

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Tengasco Inc

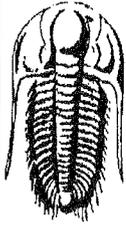
Zerger#1

21 8 19 Rooks KS

DST # 4

Arbuckle

2008.09.16



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tengasco Inc
 PO Box 458
 Hays, Ks. 67601
 ATTN: Clayton Erickson

Zerger#1
21 8 19 Rooks KS
 Job Ticket: 32516 **DST#: 4**
 Test Start: 2008.09.16 @ 05:40:59

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:46:59
 Time Test Ended: 15:24:29

Test Type: Conventional Bottom Hole
 Tester: Jason McLemore
 Unit No: 32

Interval: **3426.00 ft (KB) To 3476.00 ft (KB) (TVD)**
 Total Depth: 3476.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2035.00 ft (KB)
 2028.00 ft (CF)
 KB to GR/CF: 7.00 ft

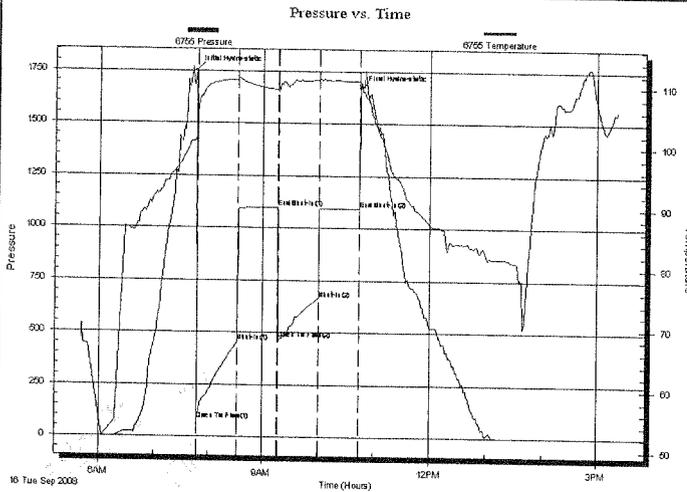
Serial #: 6755

Inside

Press@RunDepth: 663.79 psig @ 3431.00 ft (KB)
 Start Date: 2008.09.16 End Date: 2008.09.16
 Start Time: 05:41:01 End Time: 15:24:29

Capacity: 7000.00 psig
 Last Calib.: 2008.09.16
 Time On Btm: 2008.09.16 @ 07:46:29
 Time Off Btm: 2008.09.16 @ 10:45:29

TEST COMMENT: IFP Strong Blow, BOB in 3 Min
 ISI Dead
 FFP Strong Blow, Plugging Action, BOB in 6 Min
 FSI Blow back Built to 1"



PRESSURE SUMMARY

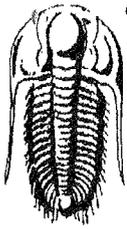
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.93	101.55	Initial Hydro-static
1	81.22	100.96	Open To Flow (1)
46	455.35	111.24	Shut-In(1)
90	1097.54	109.52	End Shut-In(1)
91	468.90	109.26	Open To Flow (2)
135	663.79	111.15	Shut-In(2)
179	1094.11	110.92	End Shut-In(2)
179	1666.05	110.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
840.00	OCMV-25%O-45%W-30%M	10.65
180.00	GHOCMV-25%G-50%O-20%W-5%M	2.52
380.00	MVCO-85%O-10%W-5%M	5.33

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc
PO Box 458
Hays, Ks. 67601
ATTN: Clayton Erickson

Zerger#1
21 8 19 Rooks KS
Job Ticket: 32516 **DST#: 4**
Test Start: 2008.09.16 @ 05:40:59

Tool Information

Drill Pipe:	Length: 3303.00 ft	Diameter: 3.80 inches	Volume: 46.33 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 42000.00 lb
		Total Volume: 46.94 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3426.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	71.00 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			3406.00	
Shut In Tool	5.00			3411.00	
Hydraulic tool	5.00			3416.00	
Packer	5.00			3421.00	21.00 Bottom Of Top Packer
Packer	5.00			3426.00	
Stubb	1.00			3427.00	
Perforations	3.00			3430.00	
Recorder	0.00	8360	Inside	3430.00	
Change Over Sub	1.00			3431.00	
Recorder	0.00	6755	Inside	3431.00	
Blank Spacing	31.00			3462.00	
Change Over Sub	1.00			3463.00	
Perforations	10.00			3473.00	
Bullnose	3.00			3476.00	50.00 Bottom Packers & Anchor

Total Tool Length: 71.00

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Zerger#1

PO Box 458
Hays, Ks. 67601

21 8 19 Rooks KS

Job Ticket: 32516

DST#: 4

ATTN: Clayton Erickson

Test Start: 2008.09.16 @ 05:40:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20 deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

38000 ppm

Viscosity: sec/qt

Cushion Volume:

bbbl

Water Loss: 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
840.00	OCMW-25%O-45%W-30%M	10.653
180.00	GHOCMW-25%G-50%O-20%W-5%M	2.525
380.00	MWCO-85%O-10%W-5%M	5.330

Total Length: 1400.00 ft

Total Volume: 18.508 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6755

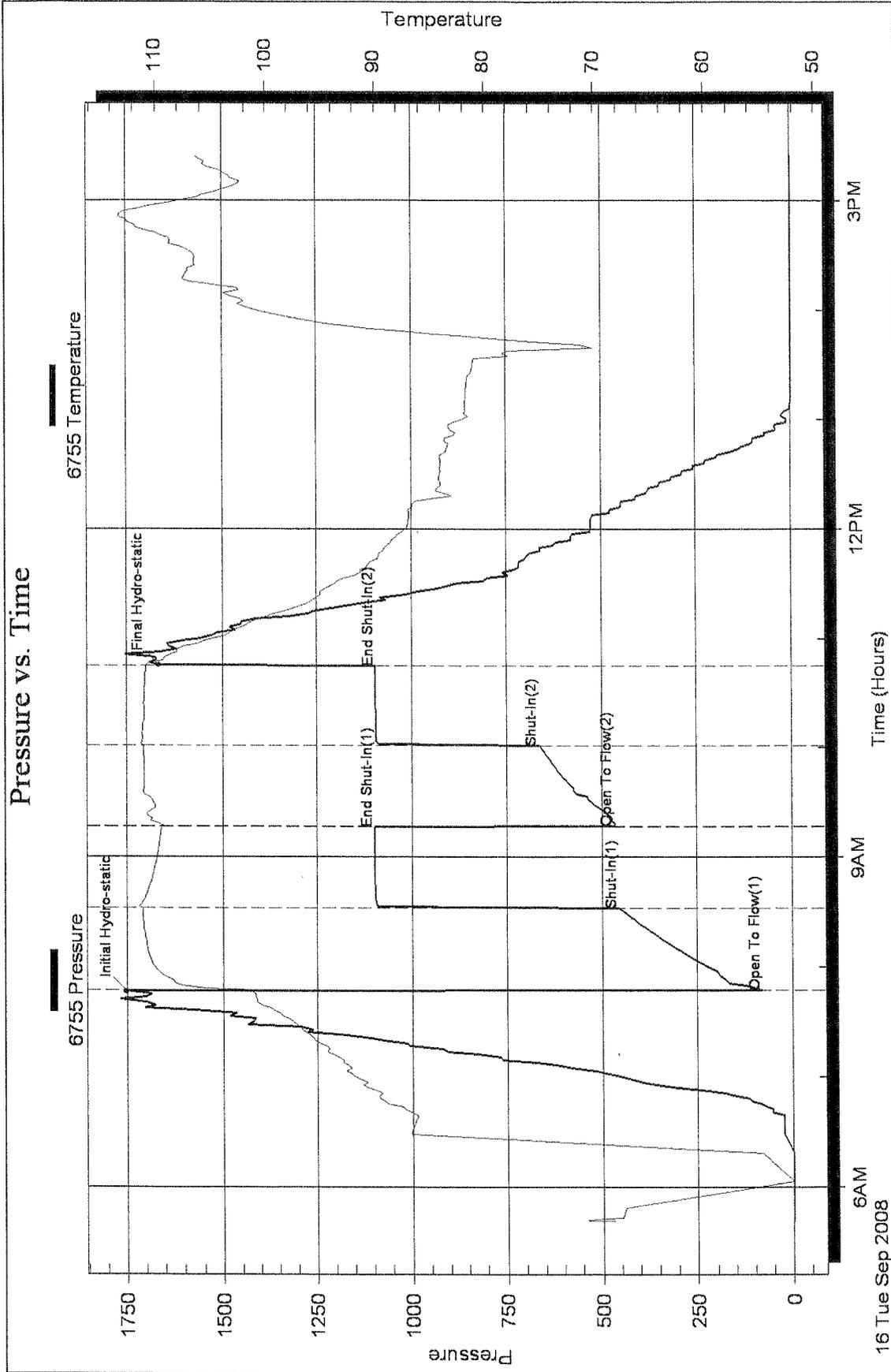
Inside

Tengasco Inc

21 8 19 Rooks KS

DST Test Number: 4

Pressure vs. Time



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