

11-10-20W

15-163-23554

Tengasco Inc

Croffoot "A" #10

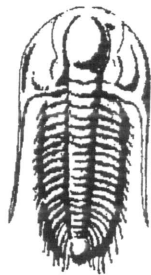
11 10S 20W Rooks KS

DST #1

Arbuckle

2006.09.12

11-10S-20W



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

11 10S 20W Rooks KS

Croffoot "A" #10

Start Date: 2006.09.12 @ 03:34:45

End Date: 2006.09.12 @ 13:29:15

Job Ticket #: 24018 DST #: 1

15-163-23554-00-00

NW SE NE

1350 PNL 800 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Printed: 2006.09.14 @ 11:39:32 Page 1 of 1

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

Croffoot "A" #10

11 10S 20W Rooks KS

Job Ticket: 24018

DST#: 1

Test Start: 2006.09.12 @ 03:34:45

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:21:00

Time Test Ended: 13:29:15

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3765.00 ft (KB) To 3771.00 ft (KB) (TVD)**

Total Depth: 3771.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2218.00 ft (KB)

2213.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press@RunDepth: 940.58 psig @ 3768.00 ft (KB)

Start Date: 2006.09.12

End Date: 2006.09.12

Start Time: 03:34:47

End Time: 13:29:15

Capacity: 7000.00 psig

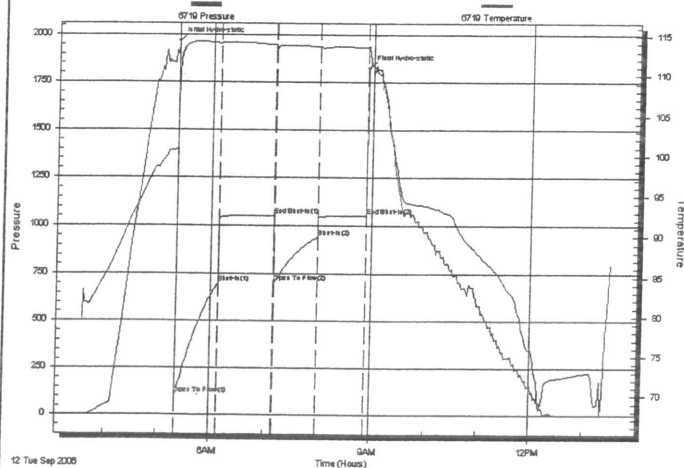
Last Calib.: 2006.09.12

Time On Btm: 2006.09.12 @ 05:20:30

Time Off Btm: 2006.09.12 @ 08:54:45

TEST COMMENT: IFP Strong Blow BOB in 1-1/2 Min.
ISI Blow back After 17 Min. Built to 1/2 "
FFI Strong Blow BOB in 3 Min.
FSI Blow back Built to 11/2 "

Pressure vs. Time



PRESSURE SUMMARY

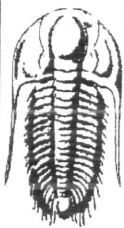
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1964.50	101.08	Initial Hydro-static
1	110.34	105.55	Open To Flow (1)
47	698.14	114.05	Shut-In(1)
110	1050.78	113.92	End Shut-In(1)
111	702.85	113.67	Open To Flow (2)
160	940.58	113.68	Shut-In(2)
214	1049.58	113.58	End Shut-In(2)
215	1823.45	113.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
540.00	VSOCMW 1%O 97%W 2%M	7.13
1320.00	MVCO 10%G 73%O 12%W 5%M	18.52
330.00	Clean Oil	4.63

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

Croffoot "A" #10

11 10S 20W Rooks KS

Job Ticket: 24018

DST#: 1

Test Start: 2006.09.12 @ 03:34:45

Tool Information

Drill Pipe:	Length: 3689.00 ft	Diameter: 3.80 inches	Volume: 51.75 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 64.00 ft	Diameter: 2.70 inches	Volume: 0.45 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 52.20 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3765.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	27.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3745.00	
Shut In Tool	5.00			3750.00	
Hydraulic tool	5.00			3755.00	
Packer	5.00			3760.00	21.00 Bottom Of Top Packer
Packer	5.00			3765.00	
Stubb	1.00			3766.00	
Perforations	2.00			3768.00	
Recorder	0.00	6719	Inside	3768.00	
Bullhose	3.00			3771.00	6.00 Bottom Packers & Anchor
Total Tool Length:	27.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Croffoot "A" #10

PO Box 458
Hays KS 67601

11 10S 20W Rooks KS

Job Ticket: 24018

DST#: 1

ATTN: Rod Tremblay

Test Start: 2006.09.12 @ 03:34:45

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API: 24 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity: 18500 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
540.00	VSOCMW 1%O 97%W 2%M	7.130
1320.00	MMCO 10%G 73%O 12%W 5%M	18.516
330.00	Clean Oil	4.629

Total Length: 2190.00 ft

Total Volume: 30.275 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6719

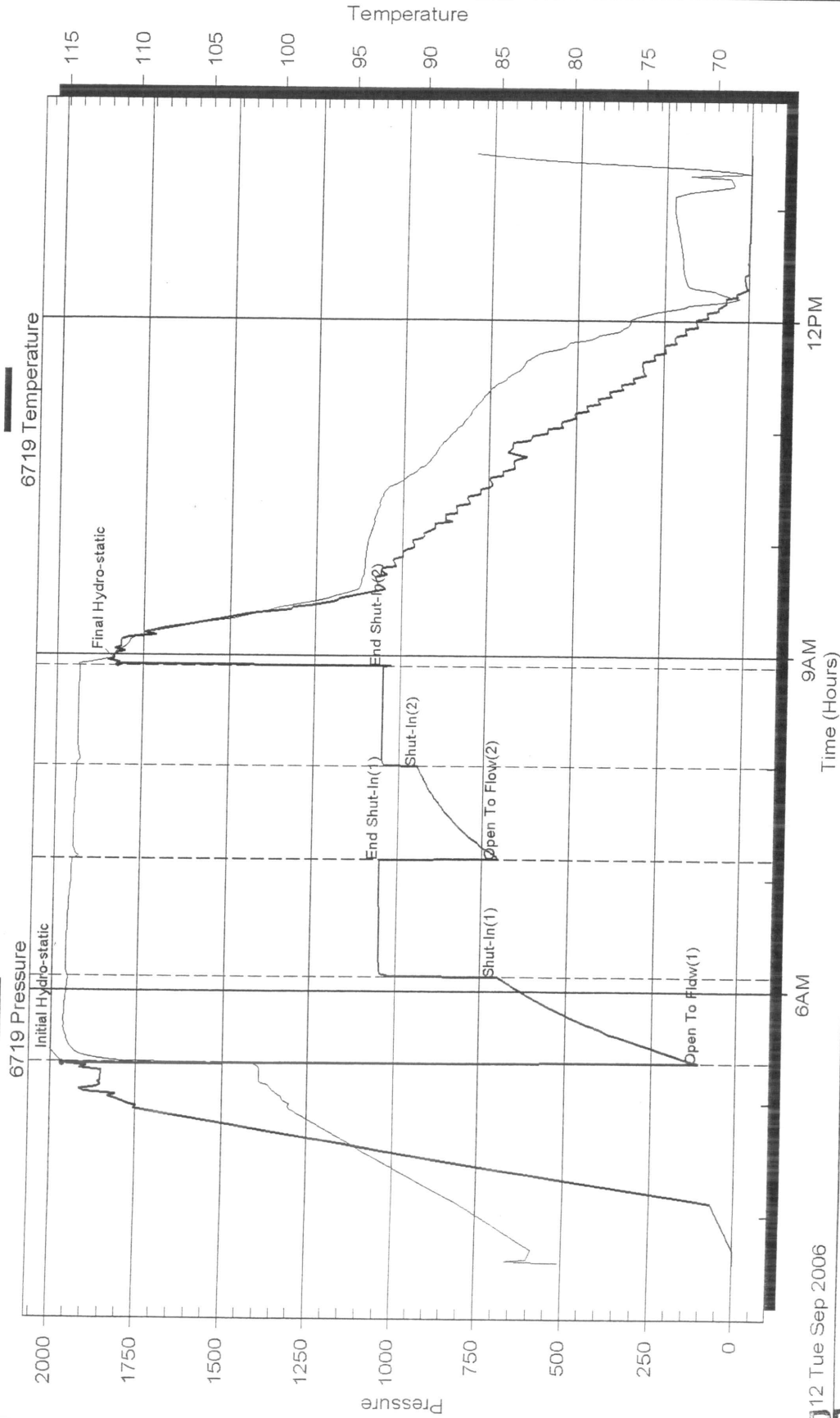
Inside

Tengasco Inc

11 10S 20W Rocks KS

DST Test Number: 1

Pressure vs. Time



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Mobile Testing, Inc

Ref. No: 24018

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11-10-20W



DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

11 10S 20W Rooks KS

Croffoot "A" #10

Start Date: 2006.09.13 @ 07:48:00

End Date: 2006.09.13 @ 17:04:15

Job Ticket #: 24019 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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Tengasco Inc

Croffoot "A" #10

11 10S 20W Rooks KS

DST # 2

Arbuckle

2006.09.13



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

Croffoot "A" #10

11 10S 20W Rooks KS

Job Ticket: 24019

DST#: 2

Test Start: 2006.09.13 @ 07:48:00

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 10:15:30

Time Test Ended: 17:04:15

Test Type: **Conventional Straddle**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3754.00 ft (KB) To 3765.00 ft (KB) (TVD)**

Total Depth: **3818.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2218.00 ft (KB)**

2213.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6719

Inside

Press@RunDepth: **883.09 psig @ 3756.00 ft (KB)**

Start Date: **2006.09.13**

End Date:

2006.09.13

Start Time: **07:48:02**

End Time:

17:04:15

Capacity: **7000.00 psig**

Last Calib.: **2006.09.13**

Time On Btm: **2006.09.13 @ 10:14:15**

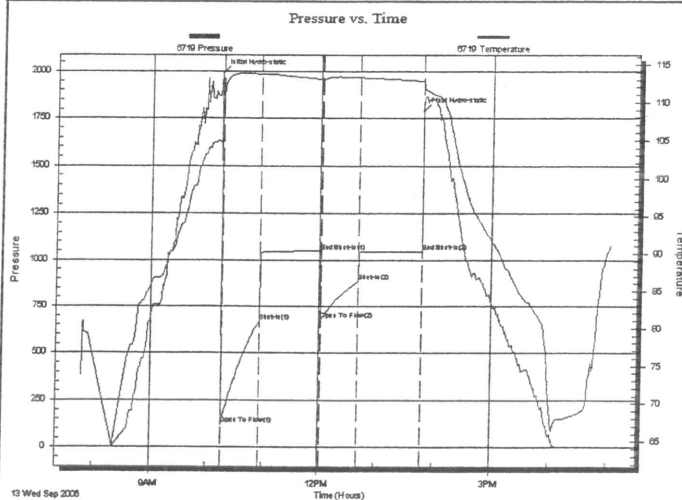
Time Off Btm: **2006.09.13 @ 13:47:15**

TEST COMMENT: **IFP Strong Blow BOB in 1 Min. 15 Sec.**

ISI Blow back Built to 2 "

FFP Strong BOB in 2 Min. 40 Seconds

FSI Blow back Built to 1 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1990.27	104.96	Initial Hydro-static
2	122.37	110.66	Open To Flow (1)
42	668.13	113.76	Shut-In(1)
107	1047.46	113.08	End Shut-In(1)
108	677.07	112.85	Open To Flow (2)
147	883.09	113.33	Shut-In(2)
213	1046.12	112.84	End Shut-In(2)
213	1786.87	113.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1080.00	Salt Water-Less Than 1%Oil	14.71
780.00	SWCO 90%O 6%W 4%M	10.94
120.00	Clean Oil	1.68
0.00	180 Gas In Pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

Croffoot "A" #10

11 10S 20W Rooks KS

Job Ticket: 24019

DST#: 2

Test Start: 2006.09.13 @ 07:48:00

Tool Information

Drill Pipe:	Length: 3679.00 ft	Diameter: 3.80 inches	Volume: 51.61 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 64.00 ft	Diameter: 2.70 inches	Volume: 0.45 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 52.06 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3754.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	3765.00 ft			
Interval between Packers:	11.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3734.00	
Shut In Tool	5.00			3739.00	
Hydraulic tool	5.00			3744.00	
Packer	5.00			3749.00	21.00 Bottom Of Top Packer
Packer	5.00			3754.00	
Stubb	1.00			3755.00	
Perforations	1.00			3756.00	
Recorder	0.00	6719	Inside	3756.00	
Perforations	5.00			3761.00	
Blank Off Sub	1.00			3762.00	
Blank Spacing	3.00			3765.00	11.00 Tool Interval
Packer	1.00			3766.00	
Stubb	1.00			3767.00	
Perforations	15.00			3782.00	
Change Over Sub	1.00			3783.00	
Recorder	0.00	13221	Below	3783.00	
Blank Spacing	31.00			3814.00	
Change Over Sub	1.00			3815.00	
Bullnose	3.00			3818.00	53.00 Bottom Packers & Anchor

Total Tool Length: 85.00

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Croffoot "A" #10

PO Box 458
Hays KS 67601

11 10S 20W Rooks KS

Job Ticket: 24019

DST#: 2

ATTN: Rod Tremblay

Test Start: 2006.09.13 @ 07:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

18500 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1080.00	Salt Water-Less Than 1%Oil	14.705
780.00	SWCO 90%O 6%W 4%M	10.941
120.00	Clean Oil	1.683
0.00	180 Gas In Pipe	0.000

Total Length: 1980.00 ft

Total Volume: 27.329 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6719

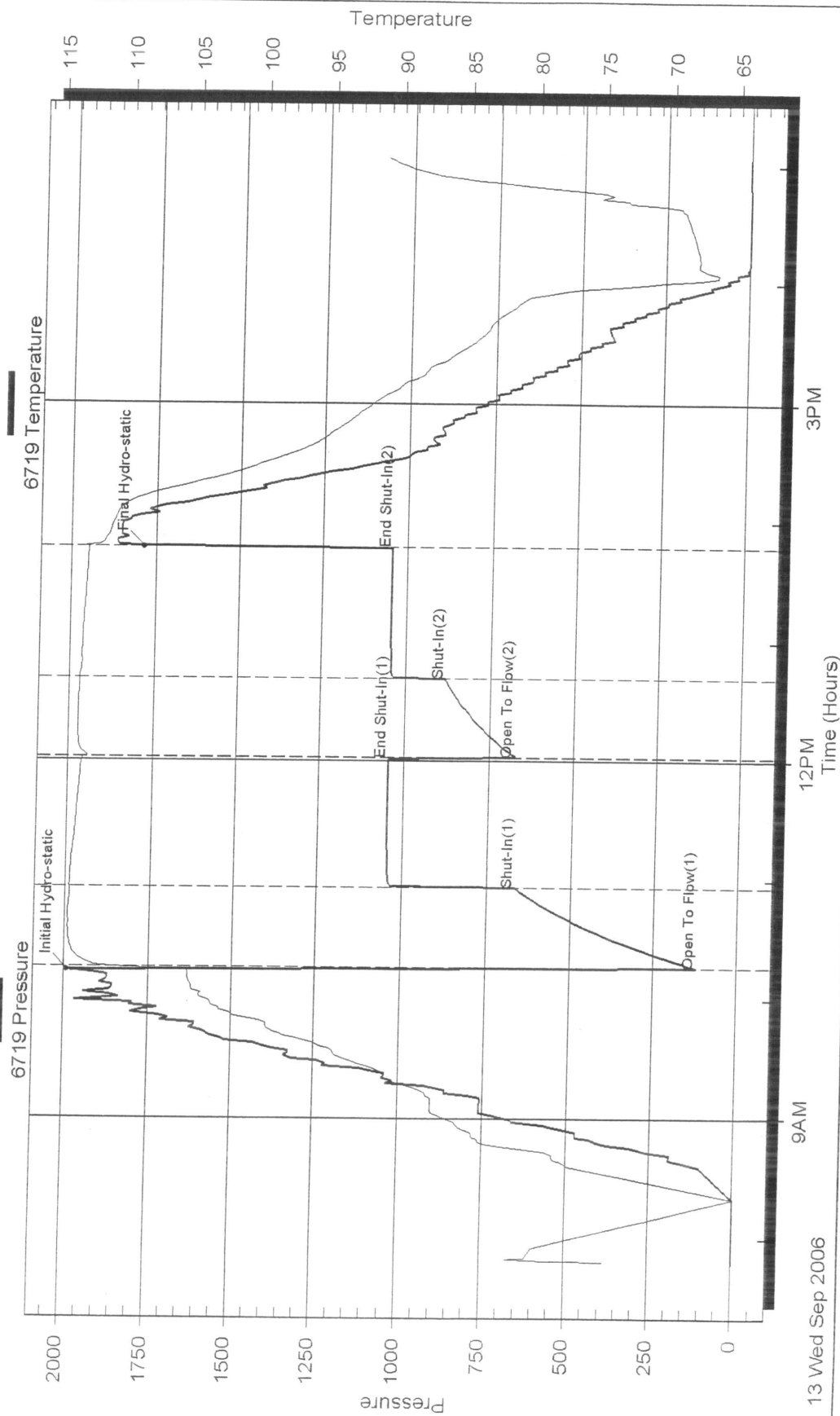
Inside

Tengasco Inc

11 10S 20W Rooks KS

DST Test Number: 2

Pressure vs. Time



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Thermodata Testing, Inc

Ref. No: 24019

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