

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **DNOC**

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

34-13-21-Trego-Ks

Eddie Honas # 1-34

Start Date: 2005.02.06 @ 16:35:27

End Date: 2005.02.06 @ 23:02:57

Job Ticket #: 21232

DST #: 1

RECEIVED

JUL 05 2006

KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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


**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

DNOC

Eddie Honas # 1-34

P O Box 372
Hays Ks 67601

34-13-21-Trego-Ks

Job Ticket: 21232

DST#: 1

ATTN: Ron Nelson

Test Start: 2005.02.06 @ 16:35:27

GENERAL INFORMATION:

Formation: A-B-C-D-E-

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:24:27

Time Test Ended: 23:02:57

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 3604.00 ft (KB) To 3694.00 ft (KB) (TVD)

Reference Elevations: 2278.00 ft (KB)

Total Depth: 3694.00 ft (KB) (TVD)

2270.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6799

Inside

Press@RunDepth: 285.53 psig @ 3609.00 ft (KB)

Start Date: 2005.02.06

End Date:

2005.02.06

Capacity: 7000.00 psig

Last Calib.:

2005.02.06

Start Time: 16:35:28

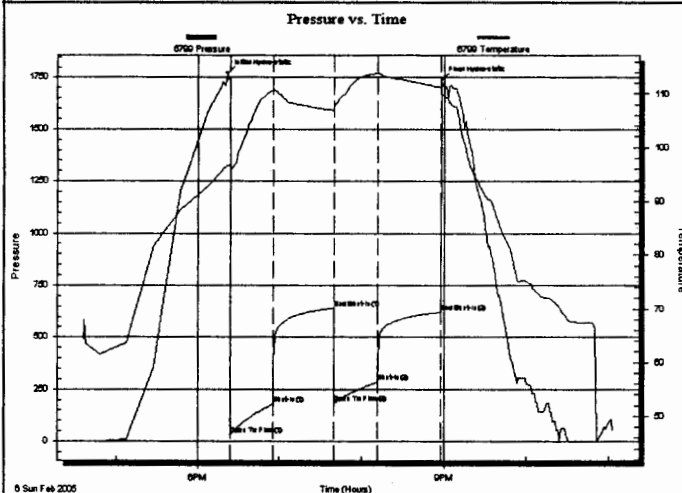
End Time:

23:02:57

Time On Btm: 2005.02.06 @ 18:21:57

Time Off Btm: 2005.02.06 @ 20:58:27

TEST COMMENT: IF-Strong B-B in 5 min
FF-Strong B-B in 20 min
Times-30-45-30-45



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1770.94	96.56	Initial Hydro-static
3	32.79	95.81	Open To Flow (1)
34	178.55	110.76	Shut-In(1)
78	640.80	106.92	End Shut-In(1)
79	185.02	107.29	Open To Flow (2)
110	285.53	113.86	Shut-In(2)
156	620.74	111.22	End Shut-In(2)
157	1739.18	110.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
620.00	Wtr	8.41

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

DNOC

Eddie Honas # 1-34

P O Box 372
Hays Ks 67601

34-13-21-Trego-Ks

Job Ticket: 21232

DST#: 1

ATTN: Ron Nelson

Test Start: 2005.02.06 @ 16:35:27

Tool Information

Drill Pipe:	Length:	3571.00 ft	Diameter:	3.80 inches	Volume:	50.09 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:	25000.00 lb
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:	50000.00 lb
					Total Volume:	50.24 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		19.00 ft					String Weight: Initial	42000.00 lb
Depth to Top Packer:		3604.00 ft					Final	45000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		90.00 ft						
Tool Length:		111.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

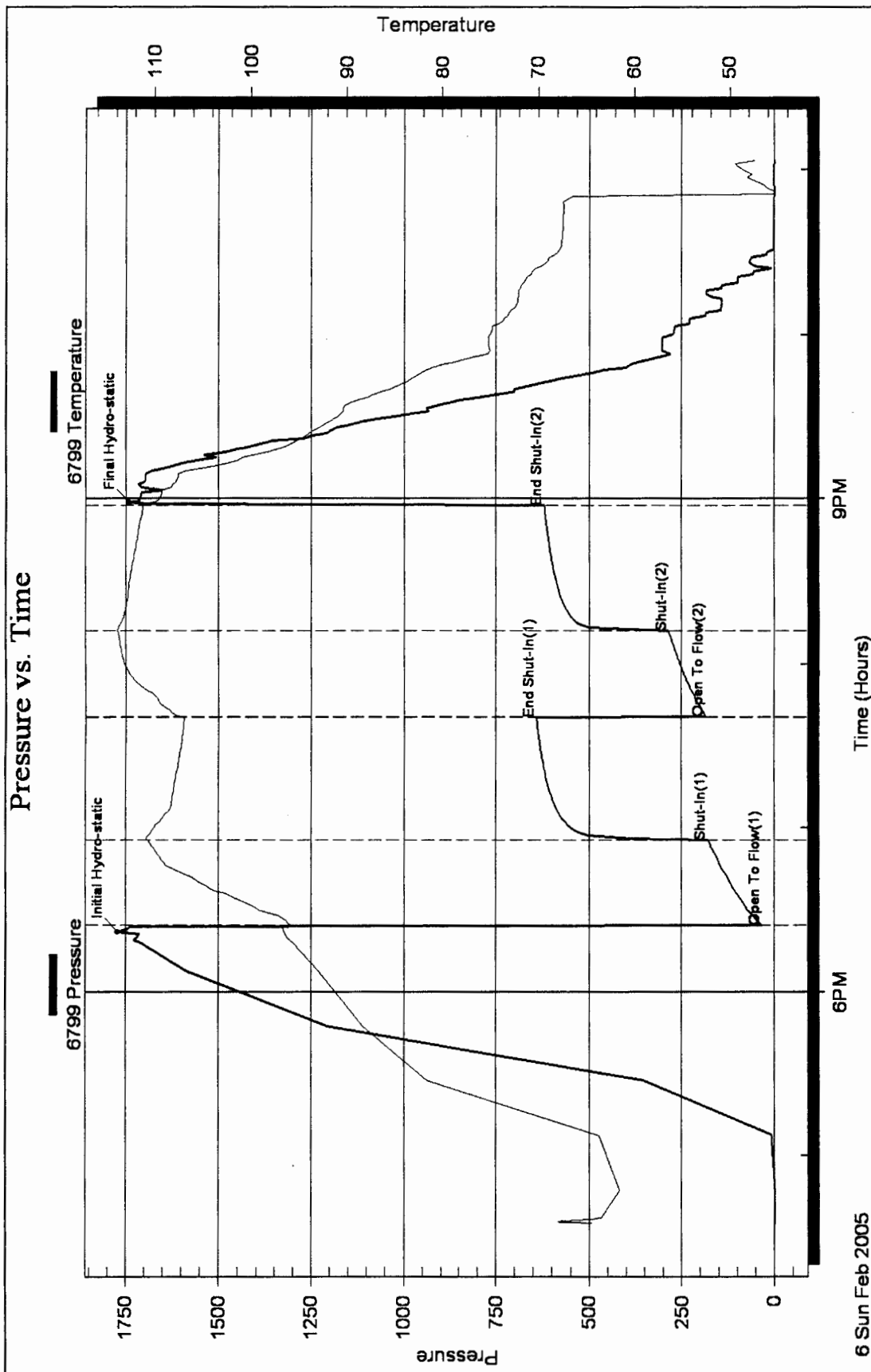
Tool Description

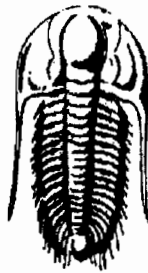
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3584.00	
Shut In Tool	5.00			3589.00	
Hydraulic tool	5.00			3594.00	
Packer	5.00			3599.00	21.00 Bottom Of Top Packer
Packer	5.00			3604.00	
Stubb	1.00			3605.00	
Perforations	3.00			3608.00	
Change Over Sub	1.00			3609.00	
Recorder	0.00	6799	Inside	3609.00	
Drill Pipe	61.00			3670.00	
Change Over Sub	1.00			3671.00	
Recorder	0.00	13254	Outside	3671.00	
Perforations	20.00			3691.00	
Bullnose	3.00			3694.00	90.00 Bottom Packers & Anchor

Total Tool Length: 111.00

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		FLUID SUMMARY						
	DNOC P O Box 372 Hays Ks 67601 ATTN: Ron Nelson		Eddie Honas # 1-34 34-13-21-Trego-Ks Job Ticket: 21232 DST#: 1 Test Start: 2005.02.06 @ 16:35:27						
Mud and Cushion Information									
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 44.00 sec/qt Water Loss: 9.38 in ³ Resistivity: ohm.m Salinity: 3000.00 ppm Filter Cake: inches		Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig							
		Oil API: Water Salinity: deg API ppm							
Recovery Information									
Recovery Table									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Length ft</th> <th style="width: 60%;">Description</th> <th style="width: 20%;">Volume bbl</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">620.00</td> <td>Wtr</td> <td style="text-align: center;">8.415</td> </tr> </tbody> </table>				Length ft	Description	Volume bbl	620.00	Wtr	8.415
Length ft	Description	Volume bbl							
620.00	Wtr	8.415							
Total Length: 620.00 ft		Total Volume: 8.415 bbl							
Num Fluid Samples: 0		Num Gas Bombs: 0 Serial #:							
Laboratory Name:		Laboratory Location:							
Recovery Comments:									

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **DNOC**

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

34-13-21-Trego-Ks

Eddie Honas # 1-34

Start Date: 2005.02.07 @ 10:25:27

End Date: 2005.02.07 @ 15:38:27

Job Ticket #: 21233 DST #: 2

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

DNOC

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

Eddie Honas # 1-34

34-13-21-Trego-Ks

Job Ticket: 21233

DST#: 2

Test Start: 2005.02.07 @ 10:25:27

GENERAL INFORMATION:

Formation: H-I-

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:01:27

Time Test Ended: 15:38:27

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 3729.00 ft (KB) To 3793.00 ft (KB) (TVD)

Total Depth: 3793.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2278.00 ft (KB)

2270.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6799

Inside

Press@RunDepth: 30.95 psig @ 3734.00 ft (KB)

Start Date: 2005.02.07

End Date:

2005.02.07

Capacity: 7000.00 psig

Last Calib.:

2005.02.07

Start Time: 10:25:28

End Time:

15:38:27

Time On Btm:

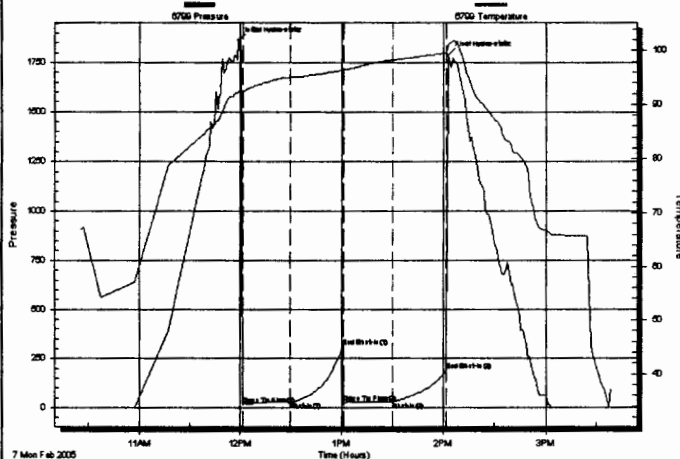
2005.02.07 @ 11:58:57

Time Off Btm:

2005.02.07 @ 14:02:27

TEST COMMENT: F-Weak building to 3/4" in 10 min-then decreasing to 1/4" in 30 min
FF-Weak building to 1" in 10 min - then decreasing to 1/4" in 30 min
Times-30-30-30-30

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.51	92.24	Initial Hydro-static
3	14.52	92.24	Open To Flow (1)
31	29.17	95.00	Shut-In(1)
62	310.03	96.39	End Shut-In(1)
63	25.05	96.43	Open To Flow (2)
91	30.95	98.22	Shut-In(2)
123	187.49	99.54	End Shut-In(2)
124	1786.44	100.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 30%o 70%rm	0.42

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

DNOC

Eddie Honas # 1-34

P O Box 372
Hays Ks 67601

34-13-21-Trego-Ks

Job Ticket: 21233

DST#: 2

ATTN: Ron Nelson

Test Start: 2005.02.07 @ 10:25:27

Tool Information

Drill Pipe:	Length: 3693.00 ft	Diameter: 3.80 inches	Volume: 51.80 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 51.95 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3729.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	86.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3709.00	
Shut In Tool	5.00			3714.00	
Hydraulic tool	5.00			3719.00	
Packer	5.00			3724.00	21.00 Bottom Of Top Packer
Packer	5.00			3729.00	
Stubb	1.00			3730.00	
Perforations	3.00			3733.00	
Change Over Sub	1.00			3734.00	
Recorder	0.00	6799	Inside	3734.00	
Drill Pipe	31.00			3765.00	
Change Over Sub	1.00			3766.00	
Recorder	0.00	13254	Outside	3766.00	
Perforations	25.00			3791.00	
Bullnose	3.00			3794.00	65.00 Bottom Packers & Anchor

Total Tool Length: 86.00

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 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		FLUID SUMMARY	
	DNOC		Eddie Honas # 1-34	
	P O Box 372 Hays Ks 67601		34-13-21-Trego-Ks	
	ATTN: Ron Nelson		Job Ticket: 21233 DST#: 2 Test Start: 2005.02.07 @ 10:25:27	

Mud and Cushion Information			
Mud Type:	Gel Chem	Cushion Type:	
Mud Weight:	9.00 lb/gal	Cushion Length:	ft
Viscosity:	44.00 sec/qt	Cushion Volume:	bbl
Water Loss:	9.38 in ³	Gas Cushion Type:	
Resistivity:	ohm.m	Gas Cushion Pressure:	psig
Salinity:	3000.00 ppm		
Filter Cake:	inches		

Recovery Information		
Recovery Table		
Length ft	Description	Volume bbl
50.00	OCM 30%o 70%m	0.419
Total Length:	50.00 ft	Total Volume: 0.419 bbl
Num Fluid Samples:	0	Num Gas Bombs: 0 Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		

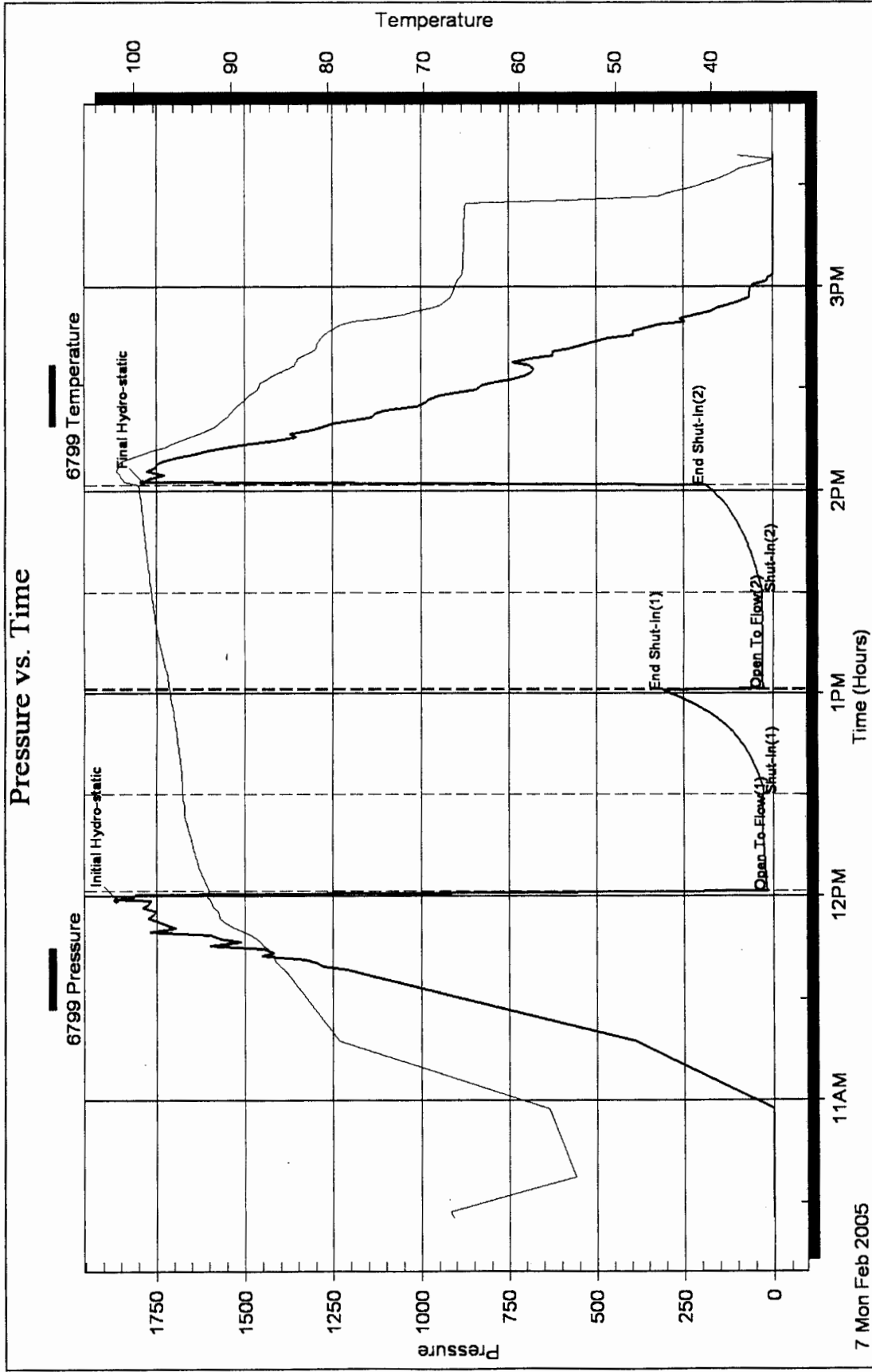
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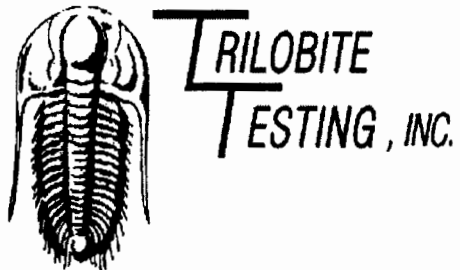
Inside DNOC

34-13-21-Trego-Ks

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **DNOC**

P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

34-13-21-Trego-Ks

Eddie Honas # 1-34

Start Date: 2005.02.08 @ 11:20:51

End Date: 2005.02.08 @ 18:34:51

Job Ticket #: 21234 DST #: 3

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

DNOC
P O Box 372
Hays Ks 67601

ATTN: Ron Nelson

Eddie Honas # 1-34
34-13-21-Trego-Ks
Job Ticket: 21234 **DST#: 3**
Test Start: 2005.02.08 @ 11:20:51

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 12:55:21
Time Test Ended: 18:34:51

Interval: **3974.00 ft (KB) To 4017.00 ft (KB) (TVD)**
Total Depth: **4017.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

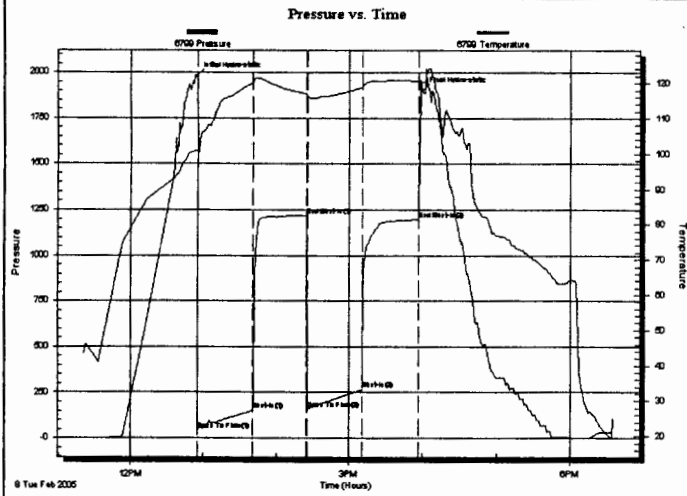
Test Type: **Conventional Bottom Hole**
Tester: **Dan Bangle**
Unit No: **21**

Reference Elevations: **2278.00 ft (KB)**
2270.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 6799

Press@RunDepth: **266.15 psig @ ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.02.08** End Date: **2005.02.08** Last Calib.: **2005.02.08**
Start Time: **11:20:52** End Time: **18:34:51** Time On Btm: **2005.02.08 @ 12:53:51**
Time Off Btm: **2005.02.08 @ 15:59:51**

TEST COMMENT: **IF-Strong B-B in 12 min**
IS-Weak building to 1"-dead in 45 min
FF-Strong B-B in 12 min
FSI-Weak building to 1/4" - dead in 45 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1979.64	100.81	Initial Hydro-static
2	42.35	99.87	Open To Flow (1)
47	151.12	119.98	Shut-In(1)
91	1216.54	117.04	End Shut-In(1)
92	159.84	116.30	Open To Flow (2)
137	266.15	118.71	Shut-In(2)
183	1196.68	120.61	End Shut-In(2)
186	1901.57	120.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	MCO 80%o 20% m	3.20
546.00	CGsyO 10%g 90%o	7.66
0.00	360 GIP	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

DNOC

Eddie Honas # 1-34

P O Box 372
Hays Ks 67601

34-13-21-Trego-Ks

Job Ticket: 21234

DST#: 3

ATTN: Ron Nelson

Test Start: 2005.02.08 @ 11:20:51

Tool Information

Drill Pipe:	Length: 3942.00 ft	Diameter: 3.80 inches	Volume: 55.30 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 55.45 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3974.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	64.00 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			3954.00	
Shut In Tool	5.00			3959.00	
Hydraulic tool	5.00			3964.00	
Packer	5.00			3969.00	21.00 Bottom Of Top Packer
Packer	5.00			3974.00	
Stubb	1.00			3975.00	
Perforations	2.00			3977.00	
Change Over Sub	1.00			3978.00	
Recorder	0.00	6799	Inside	3978.00	
Drill Pipe	31.00			4009.00	
Change Over Sub	1.00			4010.00	
Recorder	0.00	13254	Outside	4010.00	
Perforations	4.00			4014.00	
Bullnose	3.00			4017.00	43.00 Bottom Packers & Anchor

Total Tool Length: 64.00

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 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		FLUID SUMMARY
	DNOC		Eddie Honas # 1-34
	P O Box 372 Hays Ks 67601		34-13-21-Trego-Ks
	ATTN: Ron Nelson		Job Ticket: 21234 DST#: 3 Test Start: 2005.02.08 @ 11:20:51

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	40 deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume:		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure:		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	MCO 80%o 20%m	3.196
546.00	CGsyO 10%g 90%o	7.659
0.00	360 GIP	0.000

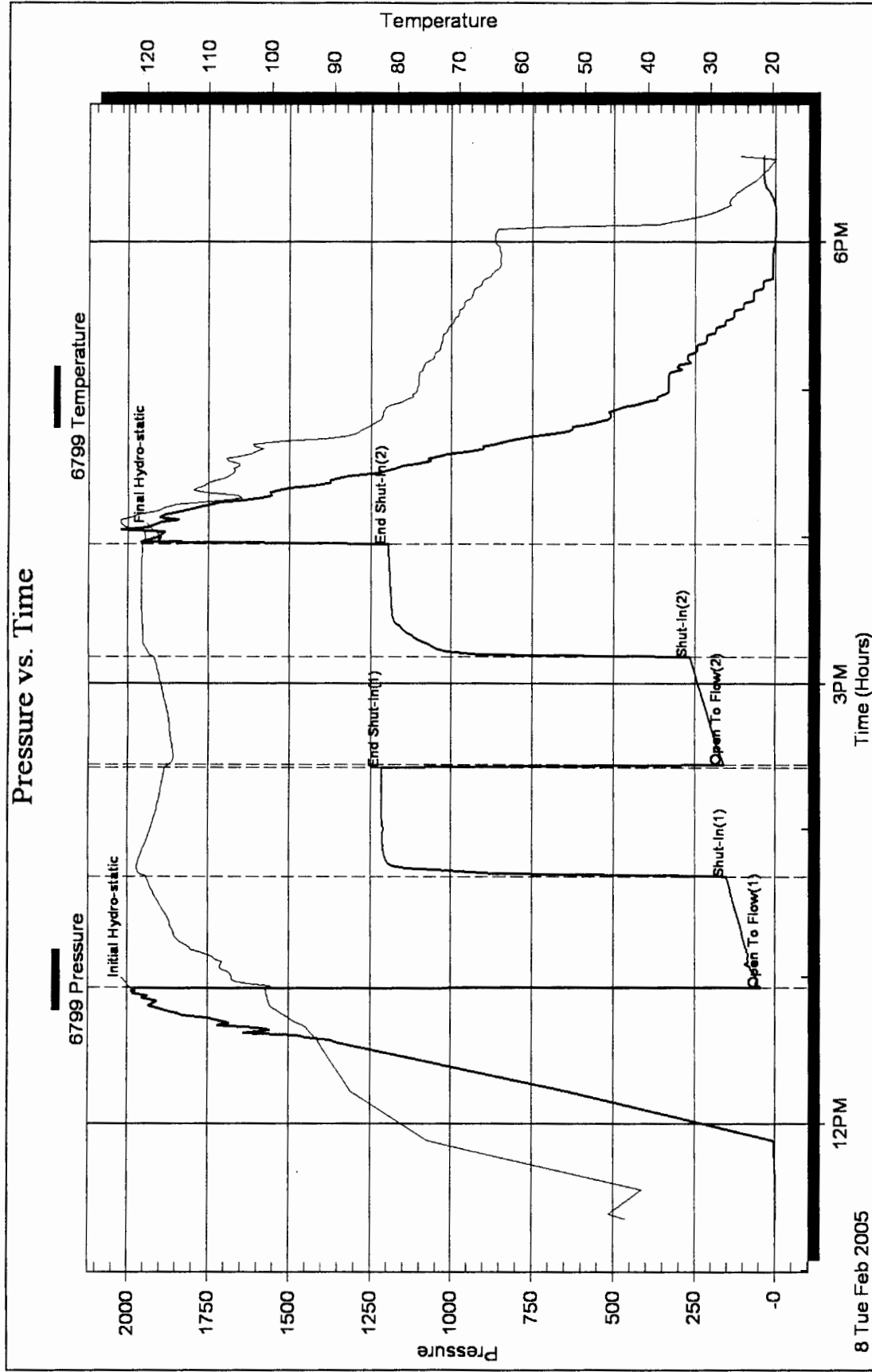
Total Length: 794.00 ft	Total Volume: 10.855 bbl	
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		

Serial #: 6799

DNOC

34-13-21-Trego-Ks

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 21234

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