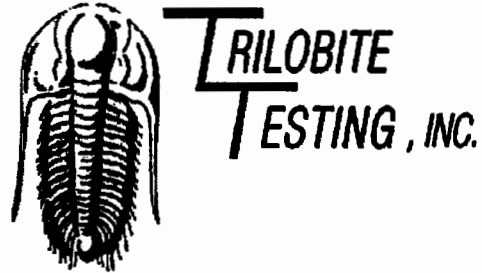


15-051-26223

22-12s-19w



DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating, LLC**

7154 W State St.
PMB 302
Boise ID 83714

ATTN: Rocky Milford

Honas Farms #2

22-12s-19w Ellis,KS

Start Date: 2011.11.30 @ 14:35:55

End Date: 2011.11.30 @ 22:53:55

Job Ticket #: 46206 DST #: 1

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

RECEIVED

MAR 19 2012

KCC WICHITA

Printed: 2011.12.29 @ 14:39:36

Tomlinson Operating, LLC 22-12s-19w Ellis,KS Honas Farms #2 DST # 1 Oread 2011.11.30



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tomlinson Operating, LLC

22-12s-19w Ellis, KS

7154 W State St.
 FMB 302
 Boise ID 83714
 ATTN: Rocky Milford

Honas Farms #2

Job Ticket: 46206 DST#: 1

Test Start: 2011.11.30 @ 14:35:55

GENERAL INFORMATION:

Formation: **Oread**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:55:25
 Time Test Ended: 22:53:55
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 47
 Interval: **3454.00 ft (KB) To 3478.00 ft (KB) (TVD)**
 Total Depth: 3478.00 ft (KB) (TVD)
 Reference Elevations: 2244.00 ft (KB)
 2236.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 6753

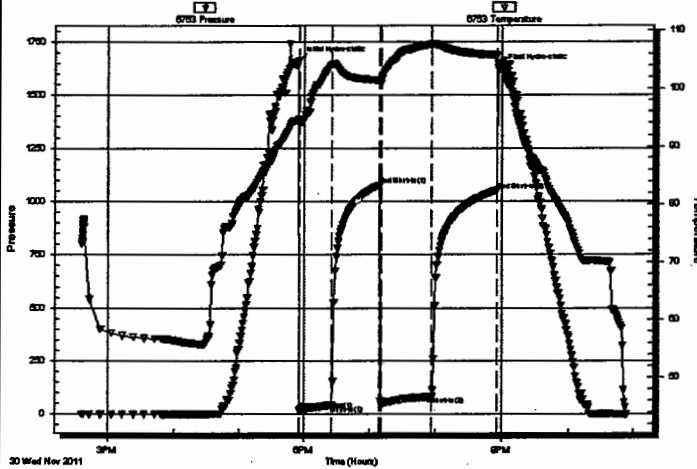
Inside

Press@RunDepth: 82.55 psig @ 3455.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.11.30 End Date: 2011.11.30 Last Calib.: 2011.11.30
 Start Time: 14:36:00 End Time: 22:53:54 Time On Btm: 2011.11.30 @ 17:54:55
 Time Off Btm: 2011.11.30 @ 20:58:55

TEST COMMENT:

IF-4" blow
 ISI-No blow
 FF-3.25" blow
 FSI-No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.88	94.67	Initial Hydro-static
1	19.51	93.89	Open To Flow (1)
31	42.90	104.18	Shut-In(1)
75	1077.99	101.45	End Shut-In(1)
76	47.30	101.49	Open To Flow (2)
122	82.55	107.63	Shut-In(2)
181	1051.89	105.78	End Shut-In(2)
184	1628.26	103.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02
135.00	water	0.85

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

7154 W State St.

Honas Farms #2

FMB 302

Job Ticket: 46206

DST#: 1

Boise ID 83714

ATTN: Rocky Milford

Test Start: 2011.11.30 @ 14:35:55

Tool Information

Drill Pipe:	Length: 3336.00 ft	Diameter: 3.80 inches	Volume: 46.80 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume: - bbl		Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3454.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	52.00 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			3427.00	
Shut In Tool	5.00			3432.00	
Hydraulic tool	5.00			3437.00	
Jars	5.00			3442.00	
Safety Joint	2.00			3444.00	
Packer	5.00			3449.00	28.00 Bottom Of Top Packer
Packer	5.00			3454.00	
Stubb	1.00			3455.00	
Recorder	0.00	6753	Inside	3455.00	
Recorder	0.00	8319	Outside	3455.00	
Perforations	20.00			3475.00	
Bullnose	3.00			3478.00	24.00 Bottom Packers & Anchor

Total Tool Length: 52.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

7154 W State St.

Honas Farms #2

FMB 302

Job Ticket: 46206

DST#: 1

Boise ID 83714

ATTN: Rocky Milford

Test Start: 2011.11.30 @ 14:35:55

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:

95000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	mud	0.025
135.00	water	0.846

Total Length: 140.00 ft Total Volume: 0.871 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

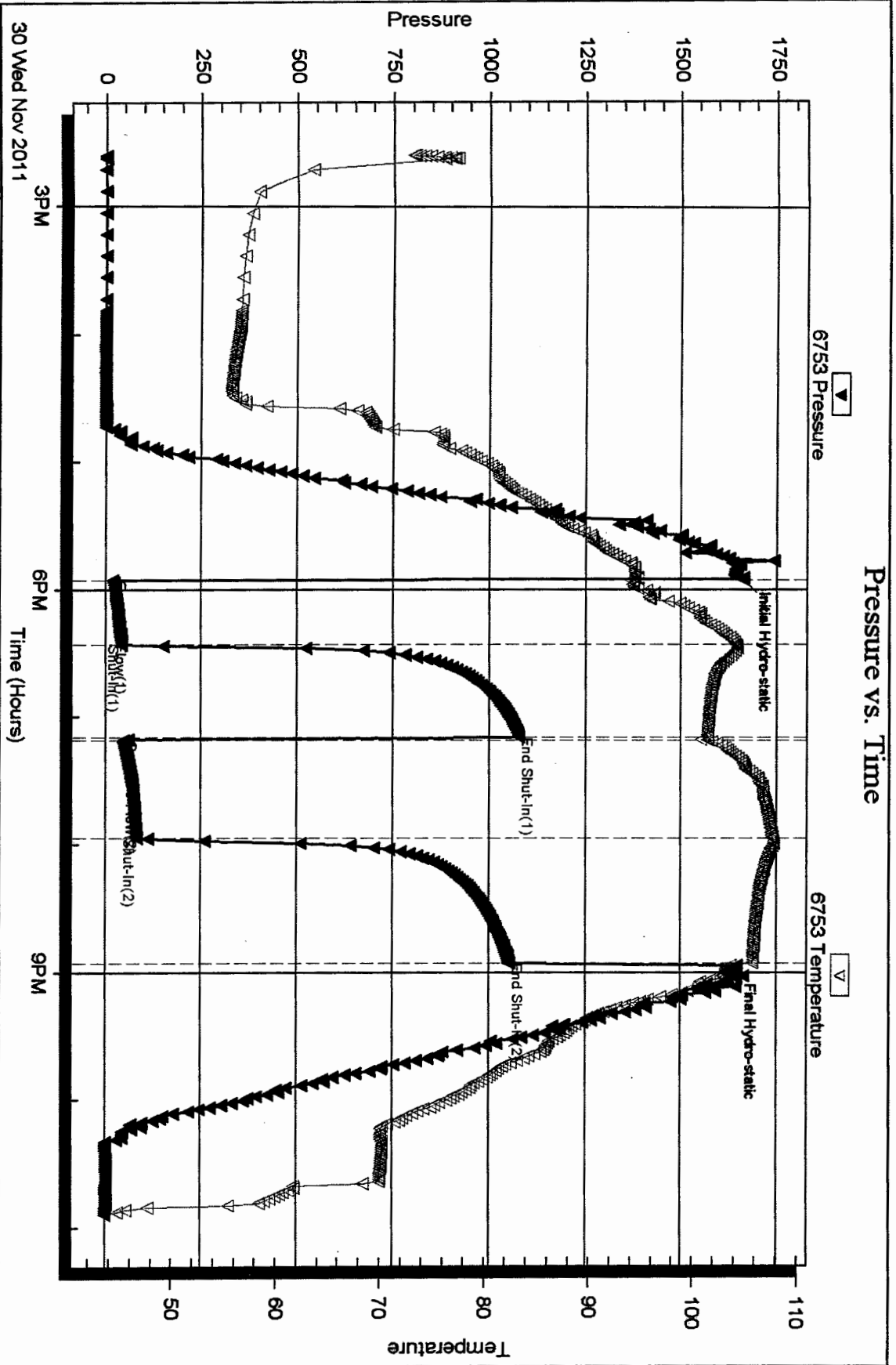
Recovery Comments: RW.24@36

Serial #: 6753

Inside Torrinson Operating, LLC

Honas Farms #2

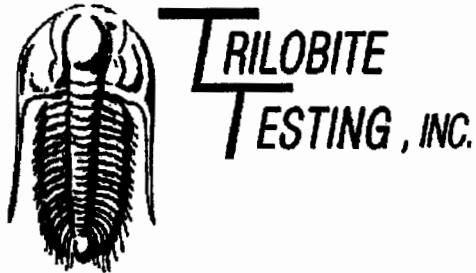
DST Test Number: 1



Trikkotte Testing, Inc

Ref. No: 46206

Printed: 2011.12.29 @ 14:39:39



DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating, LLC**

7154 W State St.
PMB 302
Boise ID 83714

ATTN: Rocky Milford

Honas Farms #2

22-12s-19w Ellis,KS

Start Date: 2011.12.01 @ 06:50:35

End Date: 2011.12.01 @ 14:16:05

Job Ticket #: 46207 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.12.29 @ 14:39:54

Tomlinson Operating, LLC 22-12s-19w Ellis,KS Honas Farms #2 DST # 2 Toronto 2011.12.01



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tortinson Operating, LLC

22-12s-19w Ellis, KS

7154 W State St.
FMB 302
Boise ID 83714
ATTN: Rocky Milford

Honas Farms #2

Job Ticket: 46207

DST#: 2

Test Start: 2011.12.01 @ 06:50:35

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:14:05

Time Test Ended: 14:16:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 47

Interval: **3492.00 ft (KB) To 3523.00 ft (KB) (TVD)**

Reference Elevations: 2244.00 ft (KB)

Total Depth: 3523.00 ft (KB) (TVD)

2236.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **6753**

Inside

Press@RunDepth: 108.22 psig @ 3493.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.01

End Date:

2011.12.01

Last Calib.: 2011.12.01

Start Time: 06:50:40

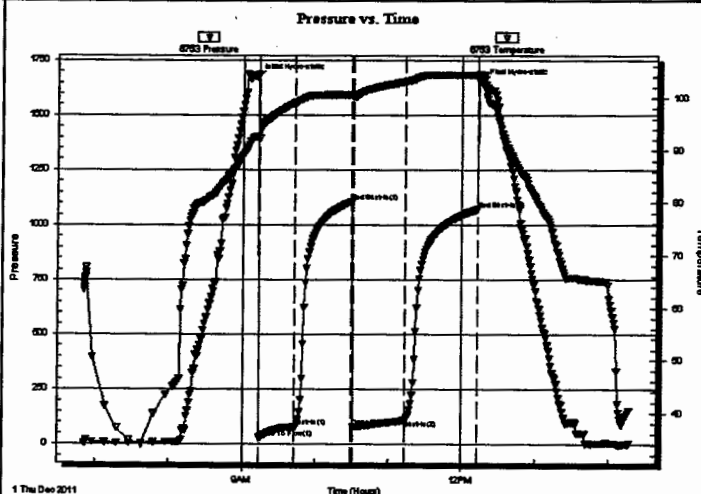
End Time:

14:16:04

Time On Btmr: 2011.12.01 @ 09:12:05

Time Off Btmr: 2011.12.01 @ 12:16:35

TEST COMMENT: IF-BOB in 19 min
ISI-1.25" blow
FF-BOB in 12 min
FSI-1/2" blow died in 12 min



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1669.37	92.60	Initial Hydro-static
2	29.34	92.25	Open To Flow (1)
31	77.84	99.06	Shut-In(1)
78	1103.69	100.64	End Shut-In(1)
79	79.76	100.22	Open To Flow (2)
121	108.22	103.13	Shut-In(2)
181	1071.88	104.39	End Shut-In(2)
185	1646.80	104.10	Final Hydro-static

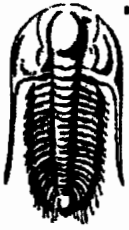
Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 60%M 40%O	0.30
60.00	MCO 30%M 70%O	0.30
90.00	VSGO 5%G 95%O	1.26

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

7154 W State St.
FVB 302
Boise ID 83714
ATTN: Rocky Milford

Honas Farms #2

Job Ticket: 46207

DST#: 2

Test Start: 2011.12.01 @ 06:50:35

Tool Information

Drill Pipe:	Length: 3366.00 ft	Diameter: 3.80 inches	Volume: 47.22 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 56000.00 lb
			Total Volume: - bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3492.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 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			3465.00	
Shut In Tool	5.00			3470.00	
Hydraulic tool	5.00			3475.00	
Jars	5.00			3480.00	
Safety Joint	2.00			3482.00	
Packer	5.00			3487.00	28.00 Bottom Of Top Packer
Packer	5.00			3492.00	
Stubb	1.00			3493.00	
Recorder	0.00	6753	Inside	3493.00	
Recorder	0.00	8319	Outside	3493.00	
Perforations	27.00			3520.00	
Bullnose	3.00			3523.00	31.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

7154 W State St.

Honas Farms #2

FMB 302

Job Ticket: 46207

DST#: 2

Boise ID 83714

ATTN: Rocky Milford

Test Start: 2011.12.01 @ 06:50:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	OCM 60%M 40%O	0.295
60.00	MCO 30%M 70%O	0.295
90.00	VSGO 5%G 95%O	1.262

Total Length: 210.00 ft

Total Volume: 1.852 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

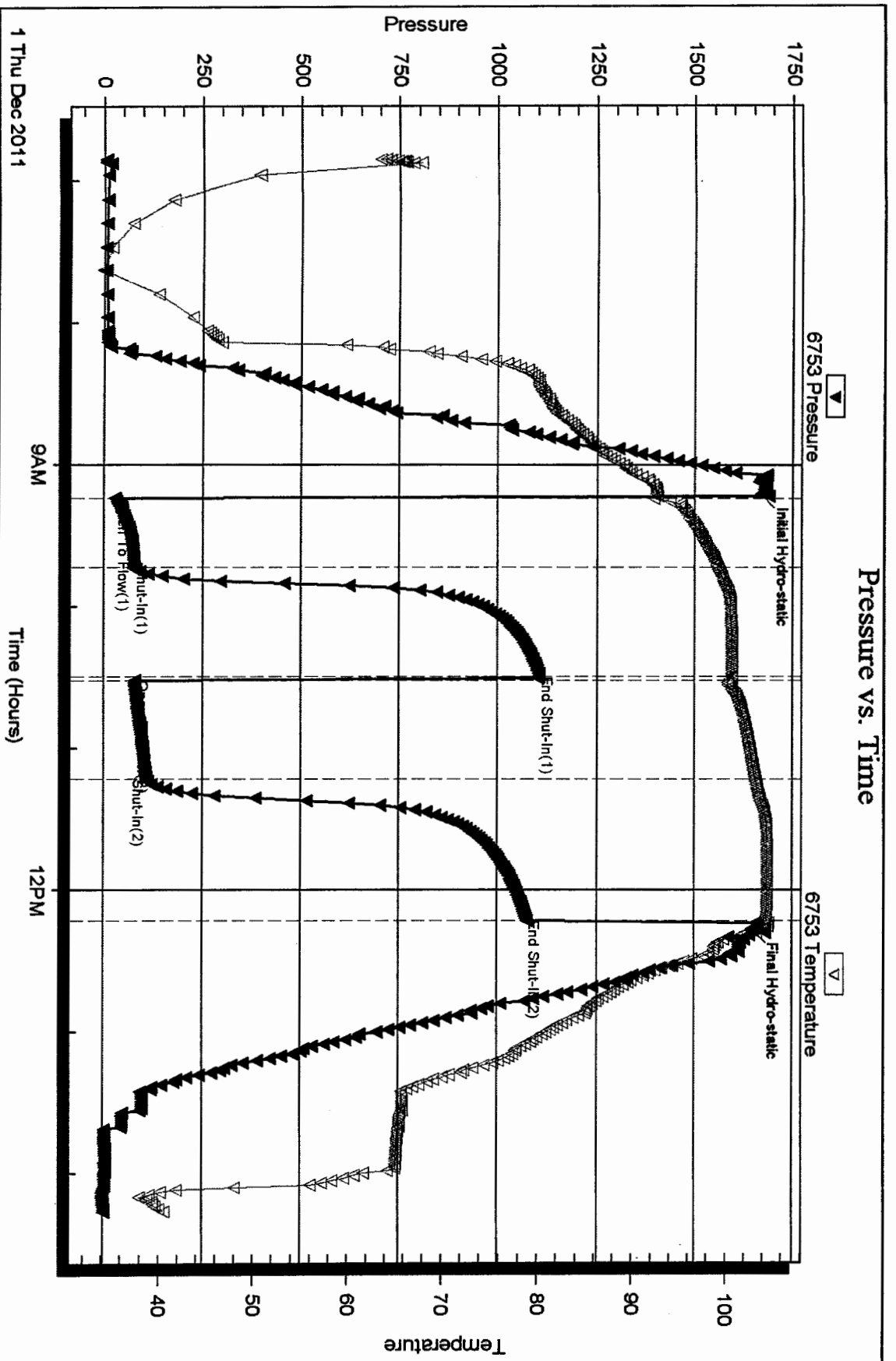
Recovery Comments:

Serial #: 6753

Inside Tomlinson Operating, LLC

Honas Farms #2

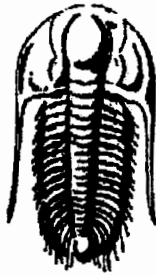
DST Test Number: 2



TriLocke Testing, Inc

Ref. No: 46207

Printed: 2011.12.29 @ 14:39:56



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating, LLC**

7154 W State St.
PMB 302
Boise ID 83714

ATTN: Rocky Milford

Honas Farms #2

22-12s-19w Ellis,KS

Start Date: 2011.12.01 @ 23:40:45

End Date: 2011.12.02 @ 07:25:45

Job Ticket #: 46208 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.12.29 @ 14:40:10

Tomlinson Operating, LLC 22-12s-19w Ellis,KS Honas Farms #2 DST # 3 KC "B" 2011.12.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Torrinson Operating, LLC
7154 W State St.
FMB 302
Boise ID 83714
ATTN: Rocky Milford

22-12s-19w Ellis,KS
Honas Farms #2
Job Ticket: 46208 DST#: 3
Test Start: 2011.12.01 @ 23:40:45

Tool Information

Drill Pipe:	Length: 3398.00 ft	Diameter: 3.80 inches	Volume: 47.67 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3520.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	91.00 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			3493.00	
Shut In Tool	5.00			3498.00	
Hydraulic tool	5.00			3503.00	
Jars	5.00			3508.00	
Safety Joint	2.00			3510.00	
Packer	5.00			3515.00	28.00 Bottom Of Top Packer
Packer	5.00			3520.00	
Stubb	1.00			3521.00	
Recorder	0.00	6753	Inside	3521.00	
Recorder	0.00	8319	Outside	3521.00	
Perforations	4.00			3525.00	
Change Over Sub	1.00			3526.00	
Blank Spacing	31.00			3557.00	
Change Over Sub	1.00			3558.00	
Perforations	22.00			3580.00	
Bullnose	3.00			3583.00	63.00 Bottom Packers & Anchor
Total Tool Length:	91.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

7154 W State St.

Honas Farms #2

FMB 302

Job Ticket: 46208

DST#: 3

Boise ID 83714

ATTN: Rocky Milford

Test Start: 2011.12.01 @ 23:40:45

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SOCM 15%O 85%M	0.295
65.00	VSGOCM 5%G 55%M 40%O	0.365

Total Length: 125.00 ft Total Volume: 0.660 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

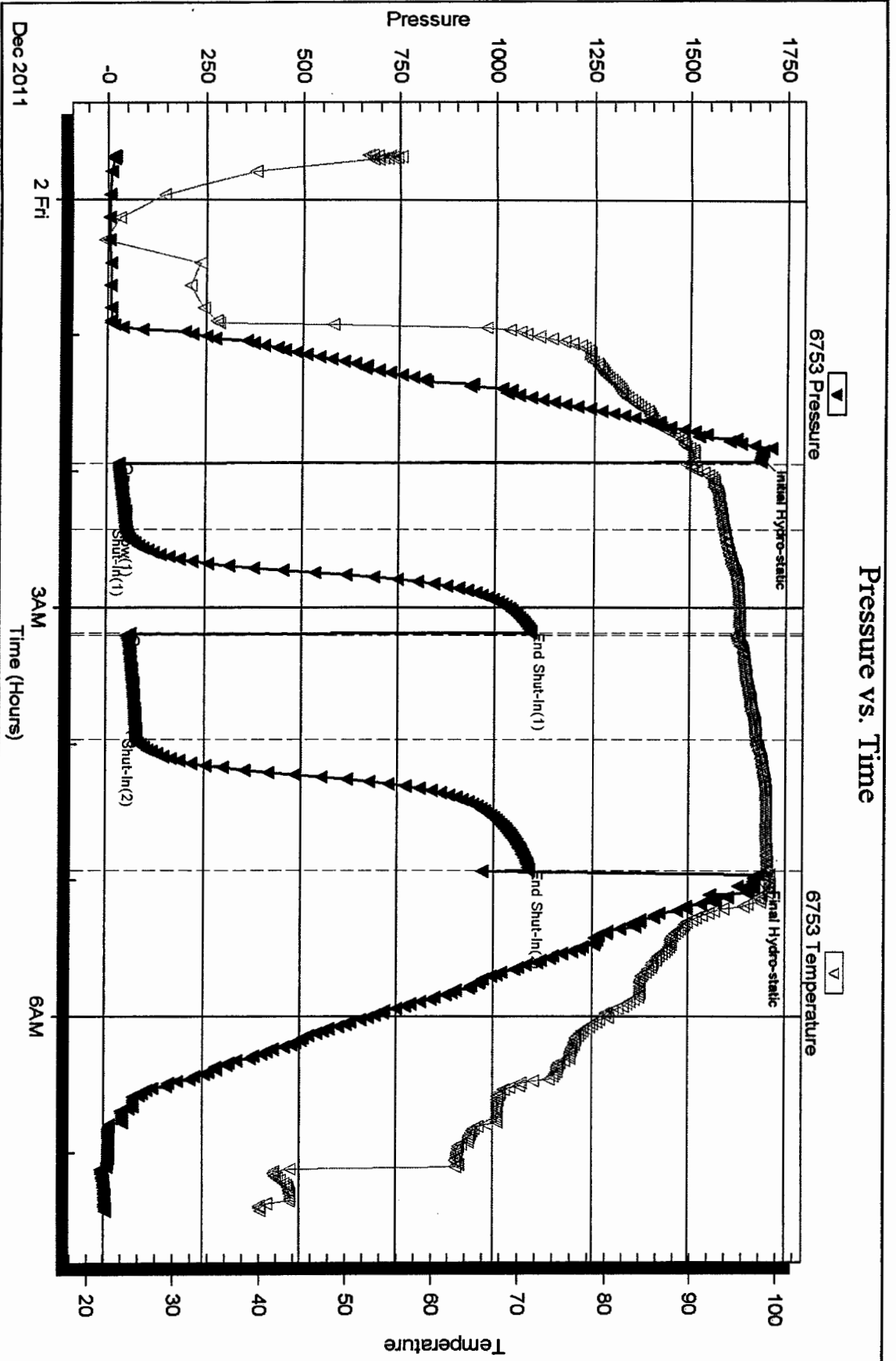
Recovery Comments:

Serial #: 6753

Inside Tomlinson Operating, LLC

Honas Farms #2

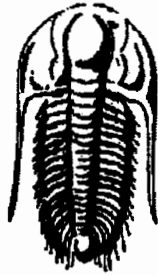
DST Test Number: 3



Thickole Testing, Inc

Ref. No: 46208

Printed: 2011.12.29 @ 14:40:11



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating, LLC**

7154 W State St.
PMB 302
Boise ID 83714

ATTN: Rocky Milford

Honas Farms #2

22-12s-19w Ellis,KS

Start Date: 2011.12.02 @ 19:20:38

End Date: 2011.12.03 @ 02:36:38

Job Ticket #: 46209 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.12.29 @ 14:40:28

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

Honas Farms #2

DST # 4

KC"C-F"

2011.12.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tomlinson Operating, LLC

22-12s-19w Ellis, KS

7154 W State St.
FMB 302
Boise ID 83714
ATTN: Rocky Milford

Honas Farms #2

Job Ticket: 46209

DST#: 4

Test Start: 2011.12.02 @ 19:20:38

GENERAL INFORMATION:

Formation: **KC"C-F"**

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

Time Tool Opened: 21:39:38

Time Test Ended: 02:36:38

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 47

Interval: **3580.00 ft (KB) To 3625.00 ft (KB) (TVD)**

Total Depth: 3625.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2244.00 ft (KB)

2236.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **6753**

Inside

Press@RunDepth: 75.50 psig @ 3581.00 ft (KB)

Start Date: 2011.12.02

End Date: 2011.12.03

Capacity: 8000.00 psig

Last Calib.: 2011.12.03

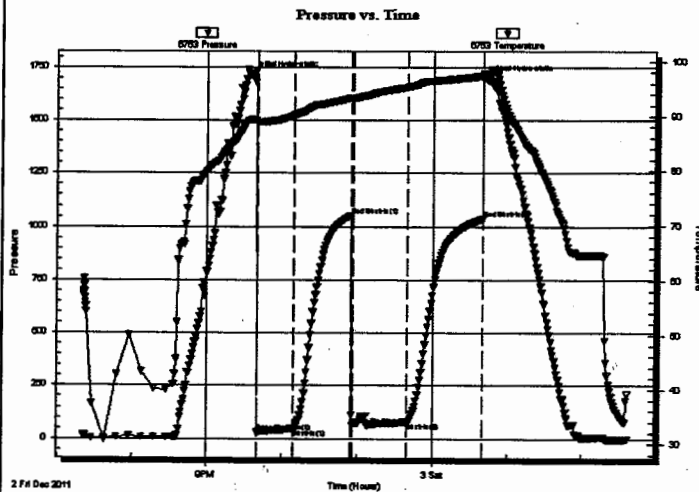
Start Time: 19:20:43

End Time: 02:36:37

Time On Btrr: 2011.12.02 @ 21:34:38

Time Off Btrr: 2011.12.03 @ 00:42:38

TEST COMMENT: IF-6.5" blow
ISI-No blow
FF-8" blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1714.15	89.35	Initial Hydro-static
5	29.87	88.85	Open To Flow (1)
35	45.87	90.18	Shut-In(1)
80	1052.46	93.35	End Shut-In(1)
82	62.15	93.23	Open To Flow (2)
125	75.50	95.35	Shut-In(2)
185	1037.56	97.48	End Shut-In(2)
188	1692.62	97.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSGOCM 5%G 35%O 60%M	0.30
65.00	VSGMCO 5%G 55%O 40%M	0.37
0.00	60ft GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

7154 W State St.
FMB 302
Boise ID 83714
ATTN: Rocky Milford

Honas Farms #2

Job Ticket: 46209

DST#: 4

Test Start: 2011.12.02 @ 19:20:38

Tool Information

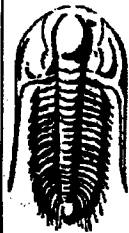
Drill Pipe:	Length: 3461.00 ft	Diameter: 3.80 inches	Volume: 48.55 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: - bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3580.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 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

Change Over Sub	1.00			3553.00	
Shut In Tool	5.00			3558.00	
Hydraulic tool	5.00			3563.00	
Jars	5.00			3568.00	
Safety Joint	2.00			3570.00	
Packer	5.00			3575.00	28.00 Bottom Of Top Packer
Packer	5.00			3580.00	
Stubb	1.00			3581.00	
Recorder	0.00	6753	Inside	3581.00	
Recorder	0.00	8319	Outside	3581.00	
Perforations	4.00			3585.00	
Change Over Sub	1.00			3586.00	
Blank Spacing	32.00			3618.00	
Change Over Sub	1.00			3619.00	
Perforations	3.00			3622.00	
Bullnose	3.00			3625.00	45.00 Bottom Packers & Anchor
Total Tool Length:	73.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operating, LLC

22-12s-19w Ellis, KS

7154 W State St.

Honas Farms #2

FVB 302

Job Ticket: 46209

DST#: 4

Boise ID 83714

ATTN: Rocky Milford

Test Start: 2011.12.02 @ 19:20:38

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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VSGOOM 5%G 35%O 60%M	0.295
65.00	VSGMCO 5%G 55%O 40%M	0.365
0.00	60ft GIP	0.000

Total Length: 125.00 ft

Total Volume: 0.660 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

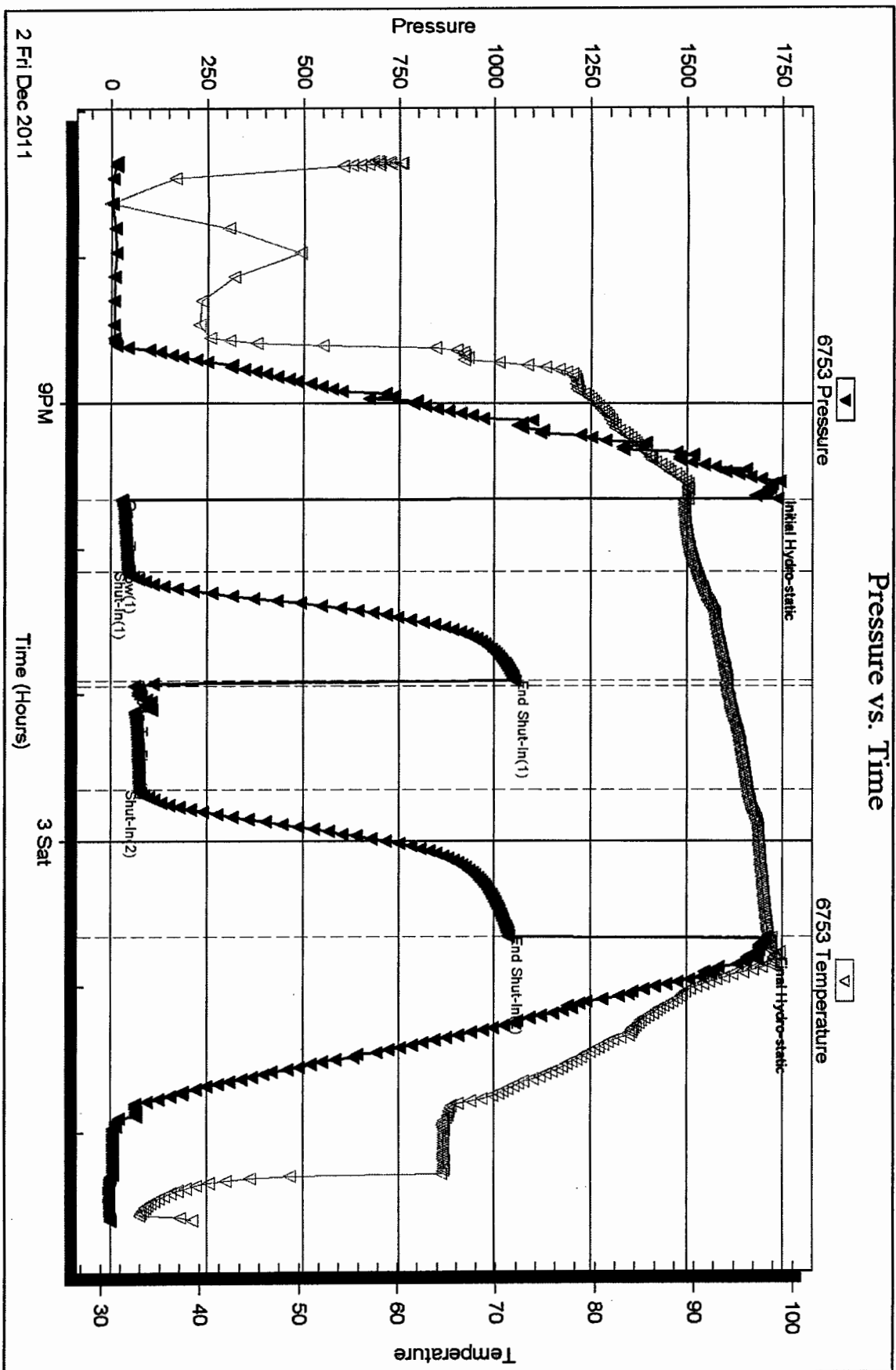
Recovery Comments:

Serial #: 6753

Inside Tomlinson Operating, LLC

Honas Farms #2

DST Test Number: 4



Thiobite Testing, Inc

Ref. No: 46209

Printed: 2011.12.29 @ 14:40:30



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating, LLC**

7154 W State St.
PMB 302
Boise ID 83714

ATTN: Rocky Milford

Honas Farms #2

22-12s-19w Ellis,KS

Start Date: 2011.12.16 @ 02:36:15

End Date: 2011.12.16 @ 09:18:45

Job Ticket #: 46351 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.12.29 @ 14:40:46

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

Honas Farms #2

DST # 5

LKC "G"

2011.12.16



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

7154 W State St.
FMB 302
Boise ID 83714
ATTN: Rocky Milford

Honas Farms #2

Job Ticket: 46351 DST#: 5

Test Start: 2011.12.16 @ 02:36:15

GENERAL INFORMATION:

Formation: **LKC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:25:25
 Time Test Ended: 09:18:45
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 38
 Interval: **3624.00 ft (KB) To 3655.00 ft (KB) (TVD)**
 Reference Elevations: 2244.00 ft (KB)
 Total Depth: 3655.00 ft (KB) (TVD) 2236.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

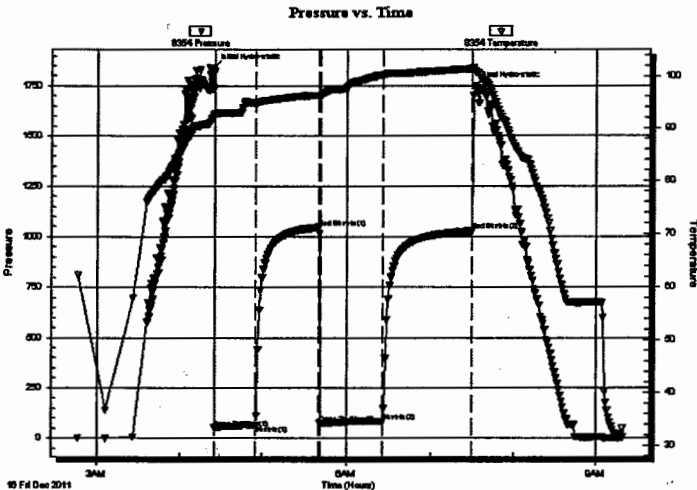
Serial #: 8354

Inside

Press@RunDepth: 82.09 psig @ 3626.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.12.16 End Date: 2011.12.16 Last Calib.: 2011.12.16
 Start Time: 02:46:15 End Time: 09:18:45 Time On Btrr: 2011.12.16 @ 04:24:25
 Time Off Btrr: 2011.12.16 @ 07:31:45

TEST COMMENT: IF-Very weak building blow . Built to 1.5"
 IS-No Return.
 FF-Very weak building blow . Built to 1.5"
 FS-No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1841.26	92.15	Initial Hydro-static
1	50.91	92.38	Open To Flow (1)
31	63.80	94.71	Shut-In(1)
76	1044.70	96.32	End Shut-In(1)
77	71.00	96.18	Open To Flow (2)
122	82.09	100.12	Shut-In(2)
186	1026.61	101.28	End Shut-In(2)
188	1751.26	100.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	VSWCM 5%W 95%M	0.78

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

7154 W State St.

Honas Farms #2

FMB 302

Job Ticket: 46351

DST#: 5

Boise ID 83714

ATTN: Rocky Milford

Test Start: 2011.12.16 @ 02:36:15

Tool Information

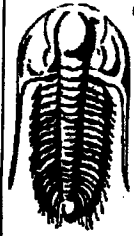
Drill Pipe:	Length: 3496.00 ft	Diameter: 3.50 inches	Volume: 41.60 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 5000.00 lb
		Total Volume: 42.19 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3624.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 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			3597.00	
Shut In Tool	5.00			3602.00	
Hydraulic tool	5.00			3607.00	
Jars	5.00			3612.00	
Safety Joint	3.00			3615.00	
Packer	5.00			3620.00	28.00 Bottom Of Top Packer
Packer	4.00			3624.00	
Stubb	1.00			3625.00	
Perforations	1.00			3626.00	
Recorder	0.00	8354	Inside	3626.00	
Recorder	0.00	8520	Outside	3626.00	
Perforations	26.00			3652.00	
Bullnose	3.00			3655.00	31.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

7154 W State St.
FMB 302
Boise ID 83714
ATTN: Rocky Milford

Honas Farms #2

Job Ticket: 46351

DST#: 5

Test Start: 2011.12.16 @ 02:36:15

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 70.00 sec/qt
Water Loss: 6.78 in³
Resistivity: ohm.m
Salinity: 7800.00 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
135.00	VSWCM5%W95%M	0.776

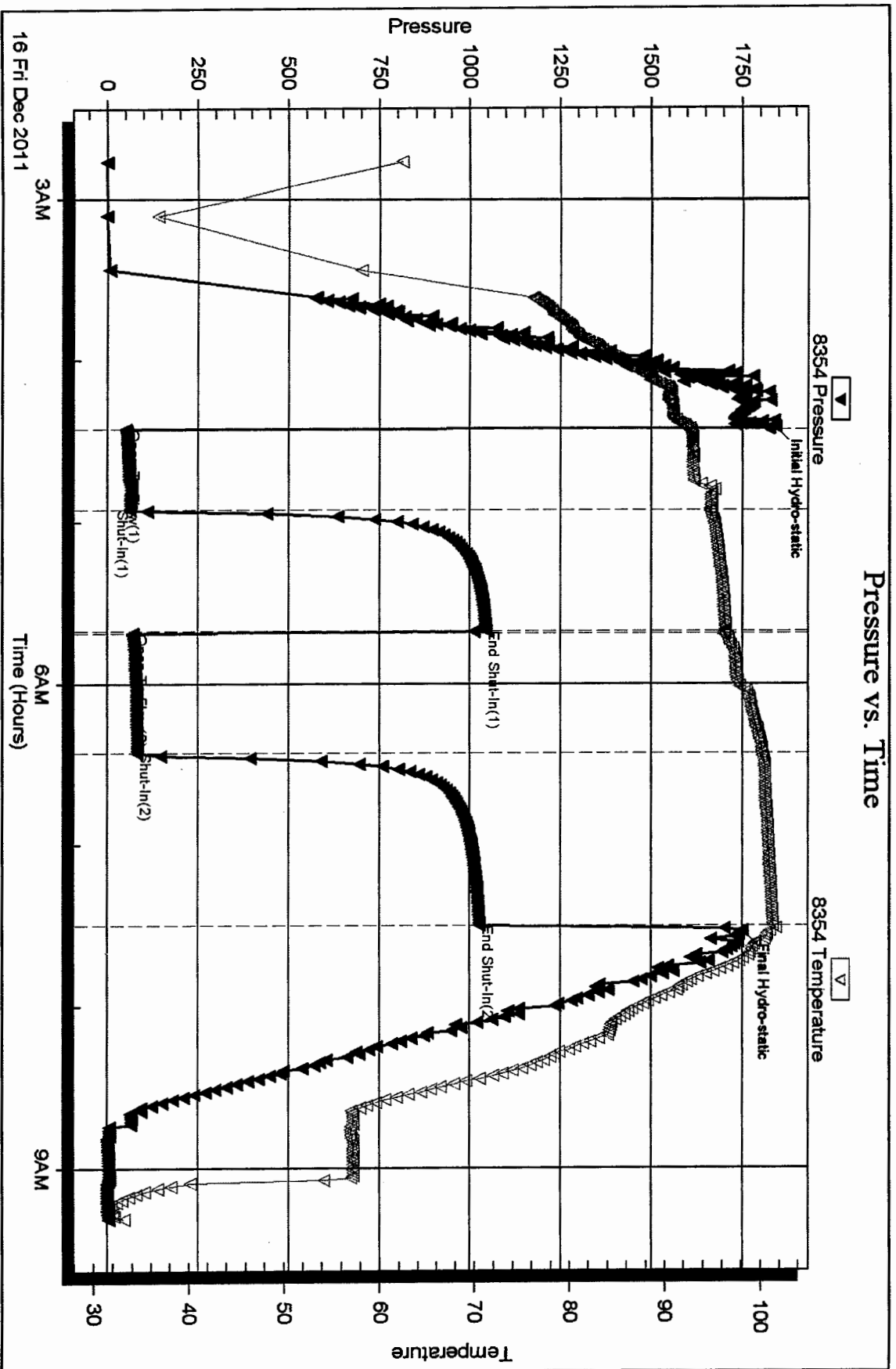
Total Length: 135.00 ft Total Volume: 0.776 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8354

Inside Tomlinson Operating, LLC

Honas Farms #2

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 46361

Printed: 2011.12.29 @ 14:40:48



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating, LLC**

7154 W State St.
PMB 302
Boise ID 83714

ATTN: Rocky Milford

Honas Farms #2

22-12s-19w Ellis,KS

Start Date: 2011.12.16 @ 20:43:15

End Date: 2011.12.17 @ 02:48:15

Job Ticket #: 46352 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.12.29 @ 14:41:04

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

Honas Farms #2

DST # 6

LKC "LJ"

2011.12.16



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Torrinson Operating, LLC

22-12s-19w Ellis, KS

7154 W State St.
RMB 302
Boise ID 83714
ATTN: Rocky Milford

Honas Farms #2

Job Ticket: 46352

DST#: 6

Test Start: 2011.12.16 @ 20:43:15

GENERAL INFORMATION:

Formation: LKC "I-J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:45:45

Time Test Ended: 02:48:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 3682.00 ft (KB) To 3722.00 ft (KB) (TVD)

Total Depth: 3722.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2244.00 ft (KB)

2236.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8354

Inside

Press@RunDepth: 43.18 psig @ 3684.00 ft (KB)

Start Date: 2011.12.16

End Date: 2011.12.17

Capacity: 8000.00 psig

Last Calib.: 2011.12.17

Start Time: 20:53:15

End Time: 02:48:15

Time On Btm: 2011.12.16 @ 22:44:45

Time Off Btm: 2011.12.17 @ 00:49:15

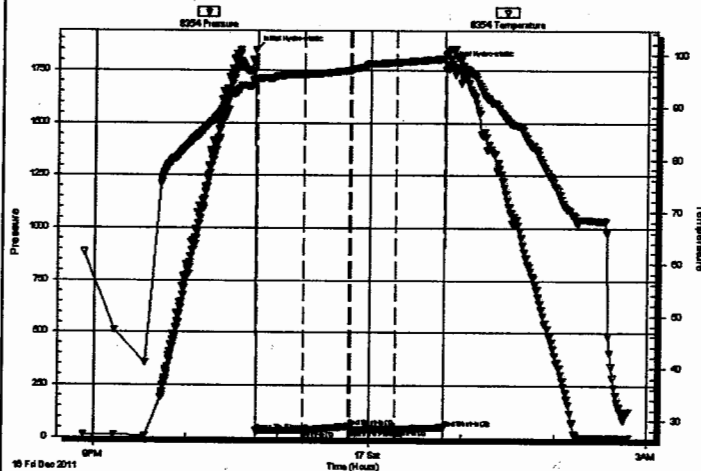
TEST COMMENT: IF-Weak dying blow. Built to 1&1/2". Died off to 1/2"

IS-No Return.

FF-No Blow. Flushed tool. No Blow.

FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1846.24	95.30	Initial Hydro-static
1	32.83	95.20	Open To Flow (1)
32	36.80	96.17	Shut-In(1)
62	55.54	96.94	End Shut-In(1)
63	39.12	97.10	Open To Flow (2)
92	43.18	98.52	Shut-In(2)
123	51.50	99.21	End Shut-In(2)
125	1778.81	100.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	100%Mud	0.20

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

7154 W State St.

Honas Farms #2

FMB 302

Job Ticket: 46352

DST#: 6

Boise ID 83714

ATTN: Rocky Milford

Test Start: 2011.12.16 @ 20:43:15

Tool Information

Drill Pipe:	Length: 3561.00 ft	Diameter: 3.80 inches	Volume: 49.95 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 30000.00 lb
			<u>Total Volume: 50.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3682.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 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			3655.00	
Shut In Tool	5.00			3660.00	
Hydraulic tool	5.00			3665.00	
Jars	5.00			3670.00	
Safety Joint	3.00			3673.00	
Packer	5.00			3678.00	28.00 Bottom Of Top Packer
Packer	4.00			3682.00	
Stubb	1.00			3683.00	
Perforations	1.00			3684.00	
Recorder	0.00	8354	Inside	3684.00	
Recorder	0.00	8520	Outside	3684.00	
Perforations	35.00			3719.00	
Bullnose	3.00			3722.00	40.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

7154 W State St.

Honas Farms #2

FMB 302

Job Ticket: 46352

DST#: 6

Boise ID 83714

ATTN: Rocky Milford

Test Start: 2011.12.16 @ 20:43:15

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 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
40.00	100%Mud	0.197

Total Length: 40.00ft Total Volume: 0.197 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

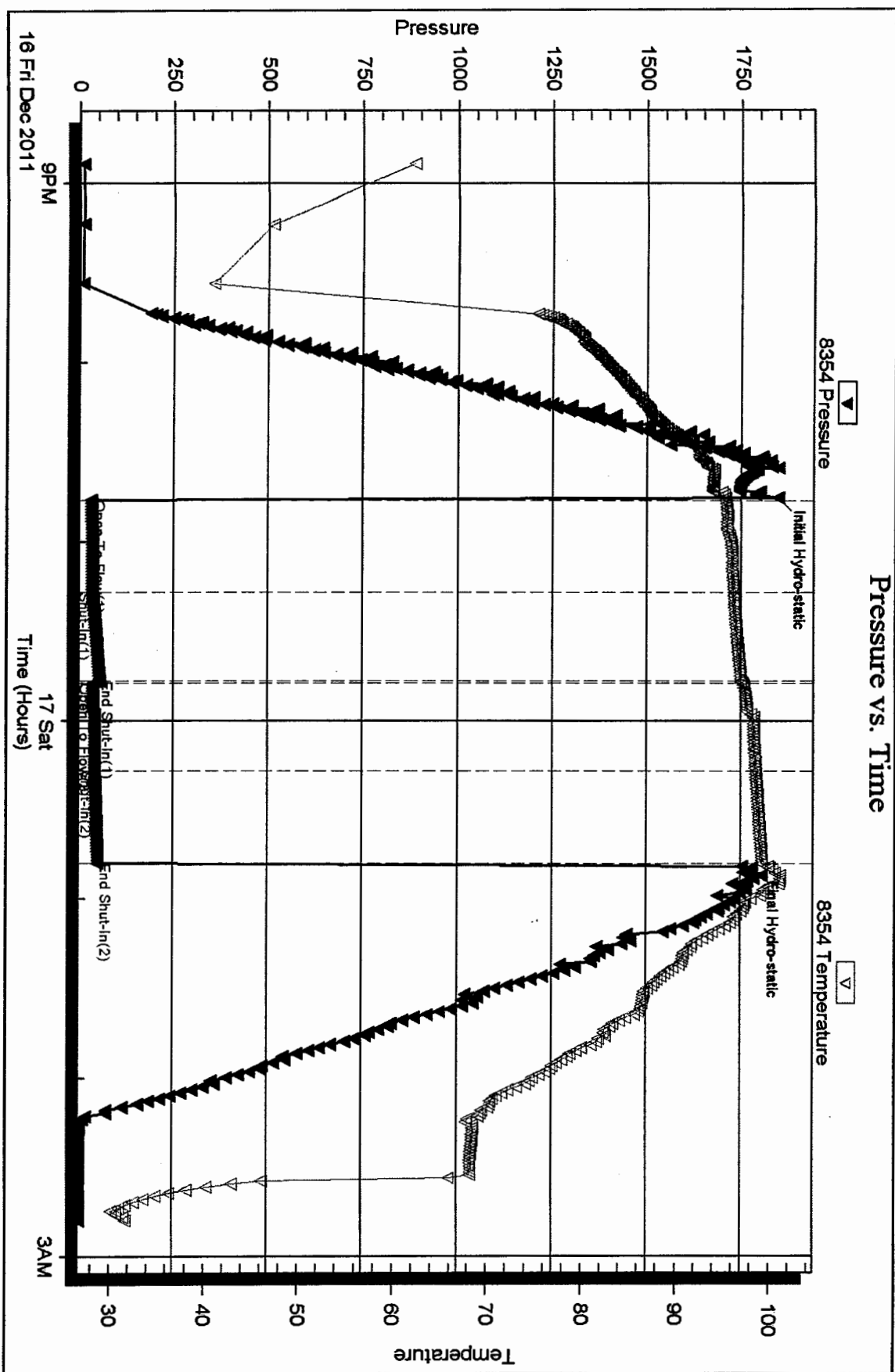
Recovery Comments:

Serial #: 8354

Inside Tomlinson Operating, LLC

Honas Farms #2

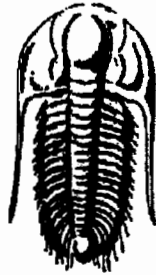
DST Test Number: 6



Tridibite Testing, Inc

Ref. No: 46352

Printed: 2011.12.29 @ 14:41:06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating, LLC**

7154 W State St.
PMB 302
Boise ID 83714

ATTN: Rocky Milford

Honas Farms #2

22-12s-19w Ellis,KS

Start Date: 2011.12.17 @ 10:00:30

End Date: 2011.12.17 @ 16:57:00

Job Ticket #: 46353 DST #: 7

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.12.29 @ 14:41:23

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

Honas Farms #2

DST # 7

LKC "K"

2011.12.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tomlinson Operating, LLC

22-12s-19w Ellis, KS

7154 W State St.
FMB 302
Boise ID 83714
ATTN: Rocky Milford

Honas Farms #2

Job Ticket: 46353 **DST#: 7**

Test Start: 2011.12.17 @ 10:00:30

GENERAL INFORMATION:

Formation: **LKC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:48:40

Time Test Ended: 16:57:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: **3718.00 ft (KB) To 3745.00 ft (KB) (TVD)**

Reference Elevations: 2244.00 ft (KB)

Total Depth: 3745.00 ft (KB) (TVD)

2236.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: 33.95 psig @ 3720.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.17 End Date: 2011.12.17

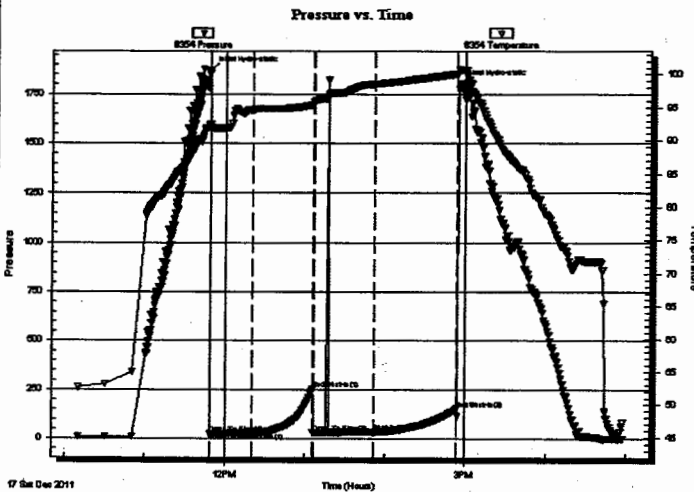
Last Calib.: 2011.12.28

Start Time: 10:10:30 End Time: 16:57:00

Time On Btm: 2011.12.17 @ 11:48:30

Time Off Btm: 2011.12.17 @ 14:55:30

TEST COMMENT: IF-Very weak blow . Built to 3/4" Died to 1/2"
IS-No Return.
FF-No Blow . Flushed Tool. No Blow .
FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1871.47	92.52	Initial Hydro-static
1	22.95	91.88	Open To Flow (1)
32	28.12	94.64	Shut-In(1)
77	252.40	95.38	End Shut-In(1)
78	29.11	95.78	Open To Flow (2)
123	33.95	98.57	Shut-In(2)
185	153.89	100.11	End Shut-In(2)
187	1802.19	100.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%Mud	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operating, LLC

22-12s-19w Ellis,KS

7154 W State St.

Honas Farms #2

FMB 302

Job Ticket: 46353

DST#: 7

Boise ID 83714

ATTN: Rocky Milford

Test Start: 2011.12.17 @ 10:00:30

Tool Information

Drill Pipe:	Length: 3591.00 ft	Diameter: 3.80 inches	Volume: 50.37 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	5000.00 lb
		Total Volume: 50.96 bbl		Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	3718.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	27.00 ft				
Tool Length:	55.00 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			3691.00	
Shut In Tool	5.00			3696.00	
Hydraulic tool	5.00			3701.00	
Jars	5.00			3706.00	
Safety Joint	3.00			3709.00	
Packer	5.00			3714.00	28.00 Bottom Of Top Packer
Packer	4.00			3718.00	
Stubb	1.00			3719.00	
Perforations	1.00			3720.00	
Recorder	0.00	8354	Inside	3720.00	
Recorder	0.00	8520	Outside	3720.00	
Perforations	22.00			3742.00	
Bullnose	3.00			3745.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operating, LLC

22-12s-19w Ellis, KS

7154 W State St.

Honas Farms #2

FVB 302

Job Ticket: 46353

DST#: 7

Boise ID 83714

ATTN: Rocky Milford

Test Start: 2011.12.17 @ 10:00:30

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	100%Mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

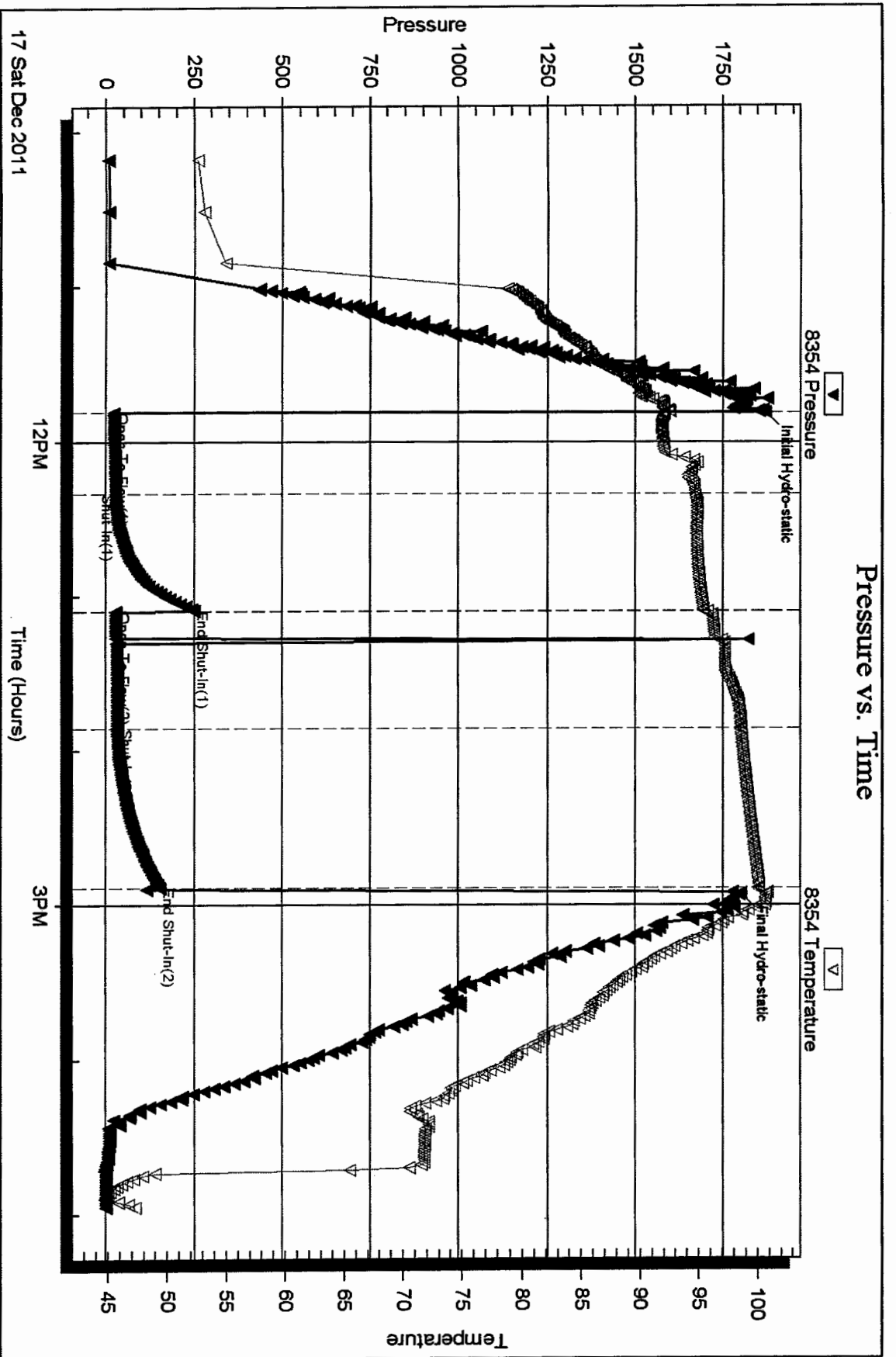
Serial #: 8354

Inside

Tornilinson Operating, LLC

Honas Farms #2

DST Test Number: 7



Trilobite Testing, Inc

Ref. No: 46353

Printed: 2011.12.29 @ 14:41:24