



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St. STE 1500
Denver, CO. 80202+3133

ATTN: Rick Hall

Cottonwood #30-1

30-6s-19w Rooks,KS

Start Date: 2012.10.02 @ 04:58:05

End Date: 2012.10.02 @ 11:47:29

Job Ticket #: 49320 DST #: 1

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

Printed: 2012.10.08 @ 11:07:17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corp.
 1600 Stout St. STE 1500
 Denver, CO. 80202+3133
 ATTN: Rick Hall

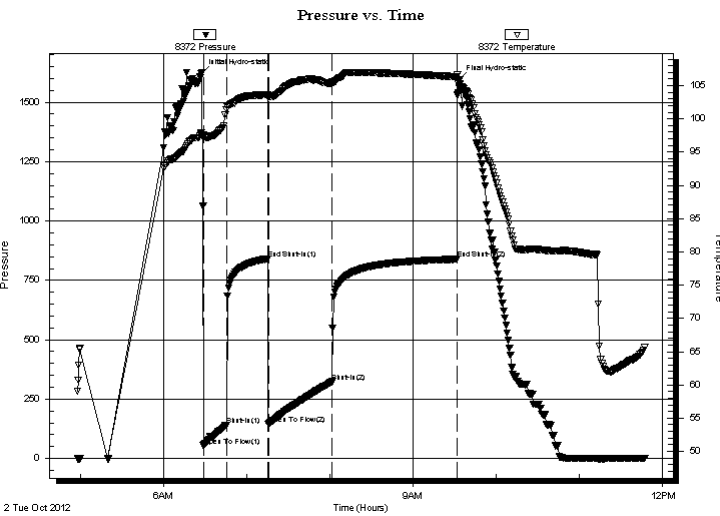
30-6s-19w Rooks,KS
Cottonwood #30-1
 Job Ticket: 49320 **DST#: 1**
 Test Start: 2012.10.02 @ 04:58:05

GENERAL INFORMATION:

Formation: **LKC"A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:28:40
 Time Test Ended: 11:47:29
 Interval: **3280.00 ft (KB) To 3330.00 ft (KB) (TVD)**
 Total Depth: 3330.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2085.00 ft (KB)
 2077.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8372 Outside
 Press @ Run Depth: 323.01 psig @ 3290.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.02 End Date: 2012.10.02 Last Calib.: 2012.10.02
 Start Time: 04:58:05 End Time: 11:47:29 Time On Btm: 2012.10.02 @ 06:27:20
 Time Off Btm: 2012.10.02 @ 09:33:20

TEST COMMENT: IF:(15min) 6" Blow in 6 min. BOB in 12 min.
 ISl:(30min) No Return
 FF:(45min) BOB in 15 min.
 FSl:(90min) No Return



PRESSURE SUMMARY

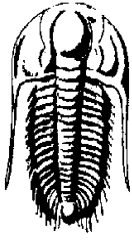
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1621.00	97.90	Initial Hydro-static
2	53.16	97.28	Open To Flow (1)
18	140.08	101.35	Shut-In(1)
48	841.05	103.59	End Shut-In(1)
49	144.32	103.28	Open To Flow (2)
95	323.01	105.41	Shut-In(2)
185	839.15	106.32	End Shut-In(2)
186	1595.97	104.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
395.00	MW m=5% w =95%	5.27
250.00	GOCMW g=5% o=10% m=35% w =50%	3.51
10.00	GO g=5% o=95%	0.14

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corp.
 1600 Stout St. STE 1500
 Denver, CO. 80202+3133
 ATTN: Rick Hall

30-6s-19w Rooks,KS

Cottonwood #30-1

Job Ticket: 49320

DST#: 1

Test Start: 2012.10.02 @ 04:58:05

GENERAL INFORMATION:

Formation: **LKC"A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:28:40

Time Test Ended: 11:47:29

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 39

Interval: **3280.00 ft (KB) To 3330.00 ft (KB) (TVD)**

Reference Elevations: 2085.00 ft (KB)

Total Depth: 3330.00 ft (KB) (TVD)

2077.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8017

Inside

Press @ Run Depth: psig @ 3290.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.02

End Date:

2012.10.02

Last Calib.:

2012.10.02

Start Time: 04:58:05

End Time:

11:47:20

Time On Btm:

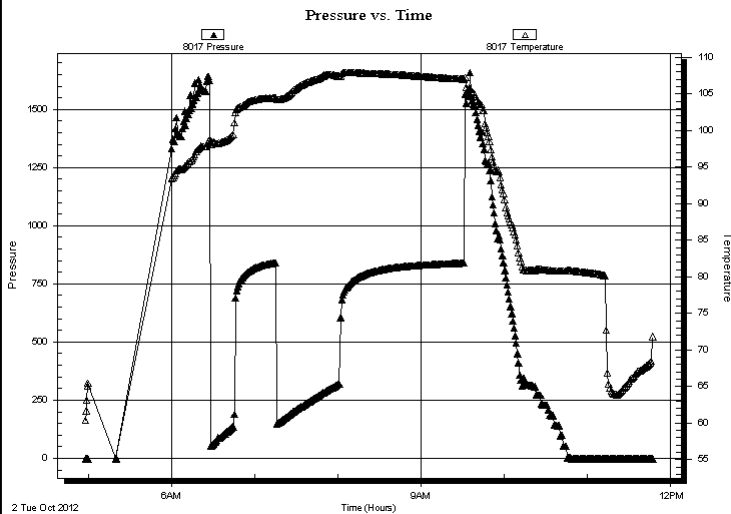
Time Off Btm:

TEST COMMENT: IF:(15min) 6" Blow in 6 min. BOB in 12 min.

IS:(30min) No Return

FF:(45min) BOB in 15 min.

FS:(90min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
395.00	MW m=5% w=95%	5.27
250.00	GOCMW g=5% o=10% m=35% w=50%	3.51
10.00	GO g=5% o=95%	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp.

30-6s-19w Rooks,KS

1600 Stout St. STE 1500
Denver, CO. 80202+3133

Cottonwood #30-1

Job Ticket: 49320

DST#: 1

ATTN: Rick Hall

Test Start: 2012.10.02 @ 04:58:05

Tool Information

Drill Pipe:	Length: 3235.00 ft	Diameter: 3.80 inches	Volume: 45.38 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: 24000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 45.53 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3280.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 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			3258.00	
Shut In Tool	5.00			3263.00	
Hydraulic tool	5.00			3268.00	
Safety Joint	3.00			3271.00	
Packer	5.00			3276.00	23.00 Bottom Of Top Packer
Packer	4.00			3280.00	
Stubb	1.00			3281.00	
Perforations	8.00			3289.00	
Change Over Sub	1.00			3290.00	
Recorder	0.00	8017	Inside	3290.00	
Recorder	0.00	8372	Outside	3290.00	
Drill Pipe	31.00			3321.00	
Change Over Sub	1.00			3322.00	
Perforations	5.00			3327.00	
Bullnose	3.00			3330.00	50.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

30-6s-19w Rooks,KS

1600 Stout St. STE 1500
Denver, CO. 80202+3133

Cottonwood #30-1

Job Ticket: 49320

DST#: 1

ATTN: Rick Hall

Test Start: 2012.10.02 @ 04:58:05

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:

70000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.55 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 bbbl
395.00	MW m=5% w=95%	5.268
250.00	GOCMW g=5% o=10% m=35% w=50%	3.507
10.00	GO g=5% o=95%	0.140

Total Length: 655.00 ft

Total Volume: 8.915 bbl

Num Fluid Samples: 0

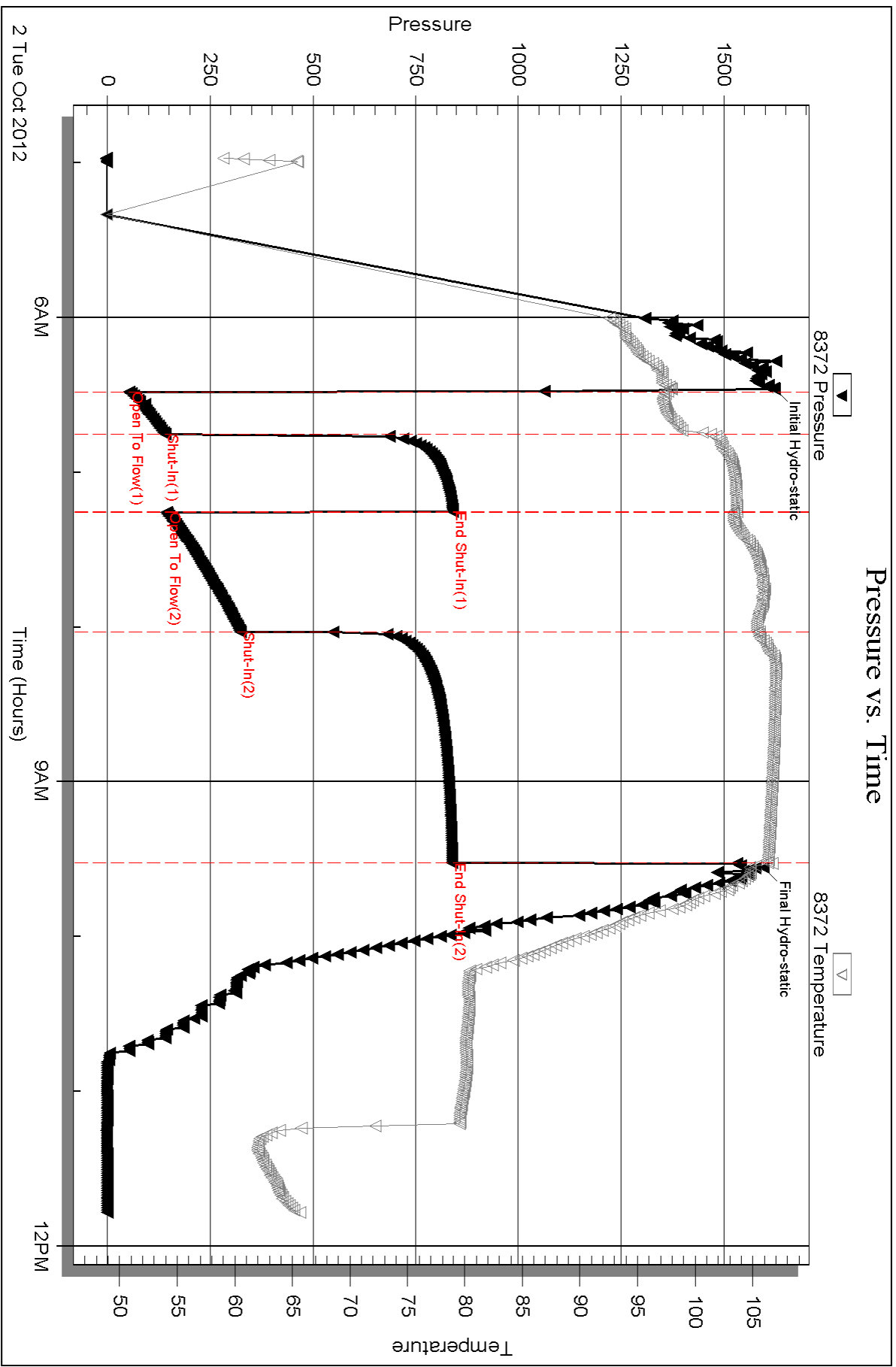
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



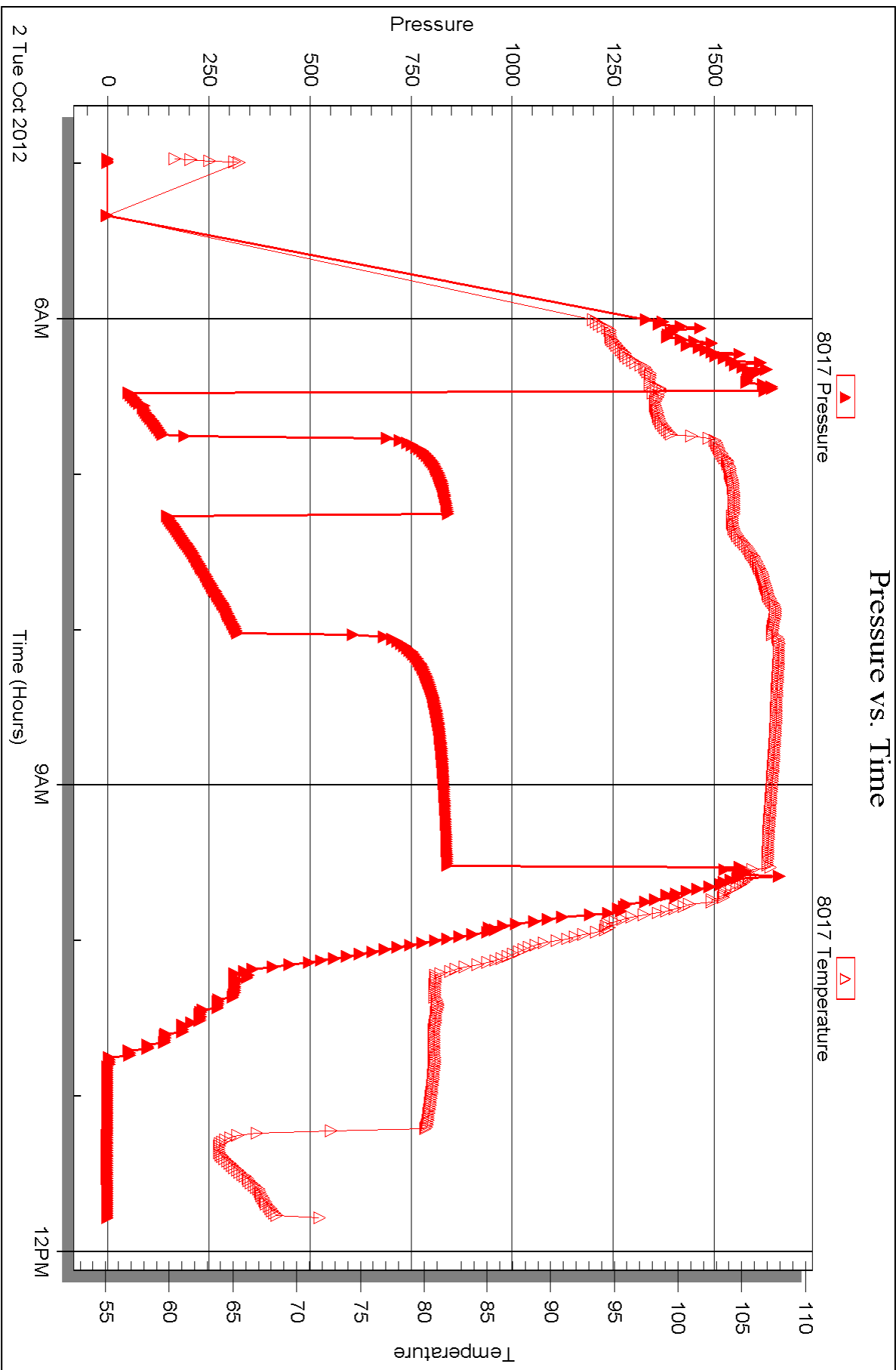
Serial #: 8017

Inside

Coral Production Corp.

Cottonwood #30-1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St. STE 1500
Denver, CO. 80202+3133

ATTN: Rick Hall

Cottonwood #30-1

30-6s-19w Rooks,KS

Start Date: 2012.10.02 @ 20:37:05

End Date: 2012.10.03 @ 00:58:09

Job Ticket #: 49321 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.08 @ 11:06:30



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corp.
 1600 Stout St. STE 1500
 Denver, CO. 80202+3133
 ATTN: Rick Hall

30-6s-19w Rooks,KS
Cottonwood #30-1
 Job Ticket: 49321 **DST#: 2**
 Test Start: 2012.10.02 @ 20:37:05

GENERAL INFORMATION:

Formation: **LKC"C-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:52:20
 Time Test Ended: 00:58:09
 Interval: **3346.00 ft (KB) To 3388.00 ft (KB) (TVD)**
 Total Depth: 3330.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2085.00 ft (KB)
 2077.00 ft (CF)
 KB to GR/CF: 8.00 ft

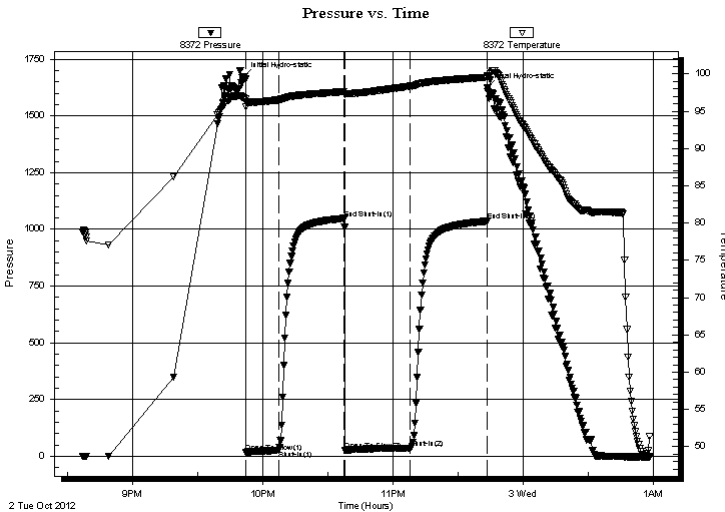
Serial #: 8372

Outside

Press @ Run Depth: 36.29 psig @ 3353.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.02 End Date: 2012.10.03 Last Calib.: 2012.10.03
 Start Time: 20:37:05 End Time: 00:58:10 Time On Btm: 2012.10.02 @ 21:51:30
 Time Off Btm: 2012.10.02 @ 23:43:30

TEST COMMENT: IF:(15min) Blow died in 14 min.
 IS:(30min) No Return
 FF:(30min) No Blow
 FS:(30min) No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1672.60	96.70	Initial Hydro-static
1	18.42	95.60	Open To Flow (1)
16	26.62	96.50	Shut-In(1)
46	1048.34	97.62	End Shut-In(1)
47	27.16	97.19	Open To Flow (2)
77	36.29	98.35	Shut-In(2)
112	1036.37	99.53	End Shut-In(2)
112	1622.84	99.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	SOSM	0.22

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corp.
1600 Stout St. STE 1500
Denver, CO. 80202+3133
ATTN: Rick Hall

30-6s-19w Rooks,KS
Cottonwood #30-1
Job Ticket: 49321 **DST#: 2**
Test Start: 2012.10.02 @ 20:37:05

GENERAL INFORMATION:

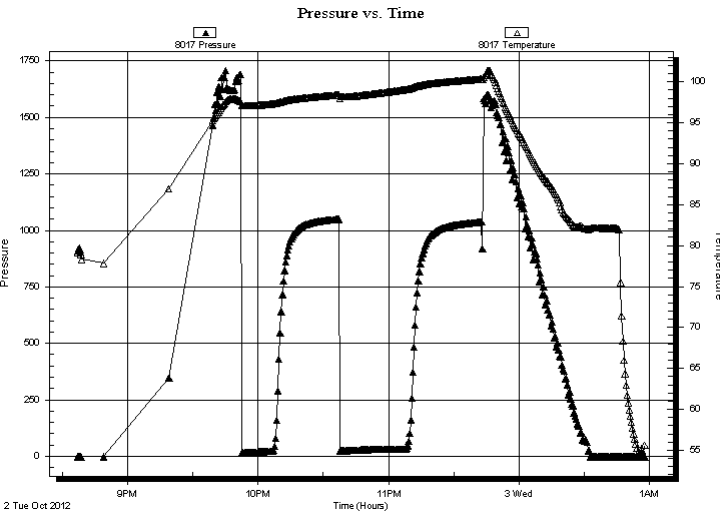
Formation: **LKC"C-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:52:20
 Time Test Ended: 00:58:09
 Interval: **3346.00 ft (KB) To 3388.00 ft (KB) (TVD)**
 Total Depth: 3330.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2085.00 ft (KB)
 2077.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8017

Inside

Press @ Run Depth: psig @ 3353.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2012.10.02 End Date: 2012.10.03	Last Calib.: 2012.10.03
Start Time: 20:37:05 End Time: 00:57:59	Time On Btm: Time Off Btm:

TEST COMMENT: IF:(15min) Blow died in 14 min.
 IS:(30min) No Return
 FF:(30min) No Blow
 FS:(30min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
35.00	SOSM	0.22

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp.

30-6s-19w Rooks,KS

1600 Stout St. STE 1500
Denver, CO. 80202+3133

Cottonwood #30-1

Job Ticket: 49321

DST#: 2

ATTN: Rick Hall

Test Start: 2012.10.02 @ 20:37:05

Tool Information

Drill Pipe:	Length: 3298.00 ft	Diameter: 3.80 inches	Volume: 46.26 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: 24000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 46.41 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3346.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	65.00 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			3324.00	
Shut In Tool	5.00			3329.00	
Hydraulic tool	5.00			3334.00	
Safety Joint	3.00			3337.00	
Packer	5.00			3342.00	23.00 Bottom Of Top Packer
Packer	4.00			3346.00	
Stubb	1.00			3347.00	
Perforations	5.00			3352.00	
Change Over Sub	1.00			3353.00	
Recorder	0.00	8017	Inside	3353.00	
Recorder	0.00	8372	Outside	3353.00	
Drill Pipe	31.00			3384.00	
Change Over Sub	1.00			3385.00	
Bullnose	3.00			3388.00	42.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

30-6s-19w Rooks,KS

1600 Stout St. STE 1500
Denver, CO. 80202+3133

Cottonwood #30-1

Job Ticket: 49321

DST#: 2

ATTN: Rick Hall

Test Start: 2012.10.02 @ 20:37:05

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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.56 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
35.00	SOSM	0.218

Total Length: 35.00 ft Total Volume: 0.218 bbl

Num Fluid Samples: 0

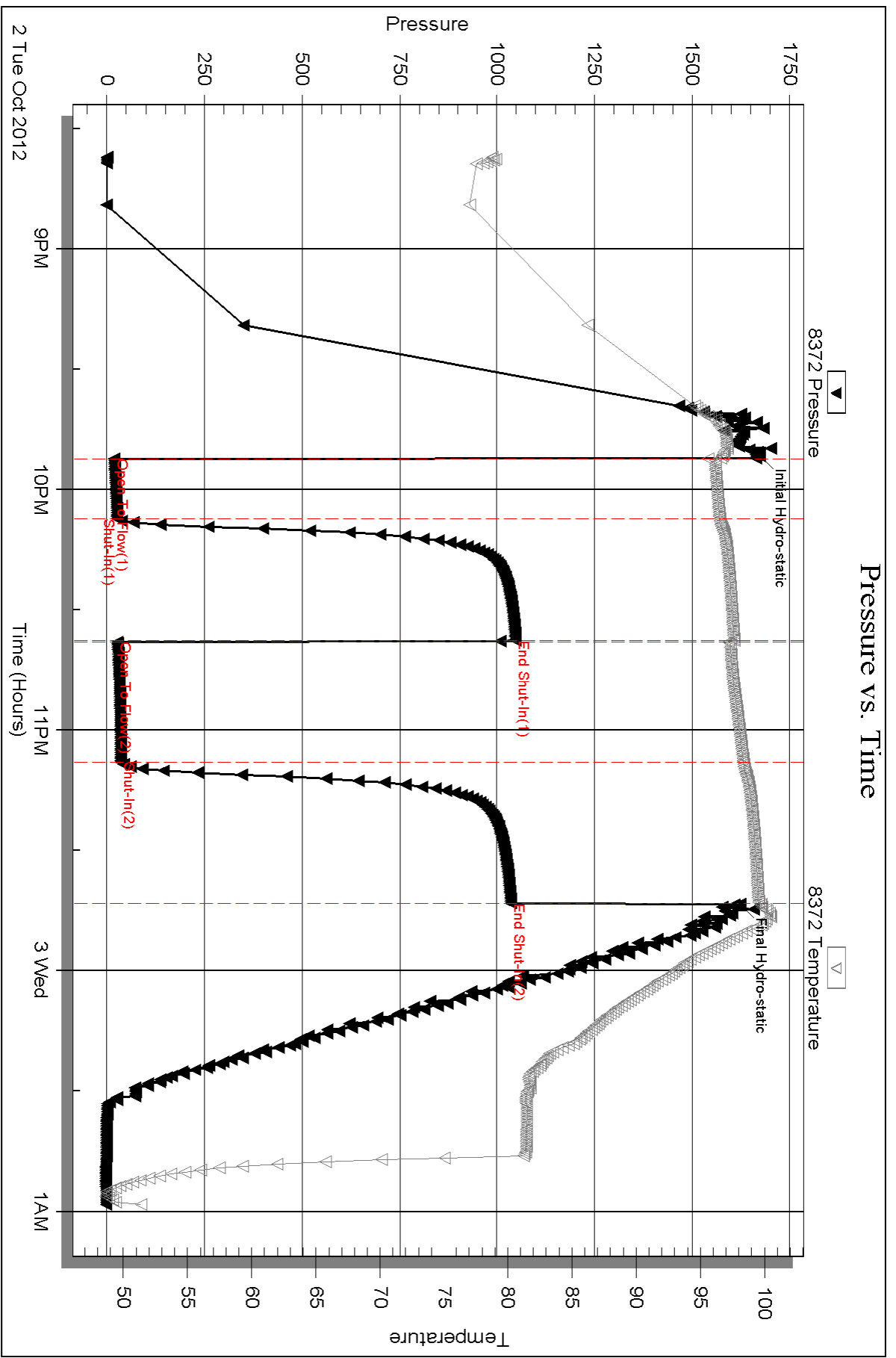
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



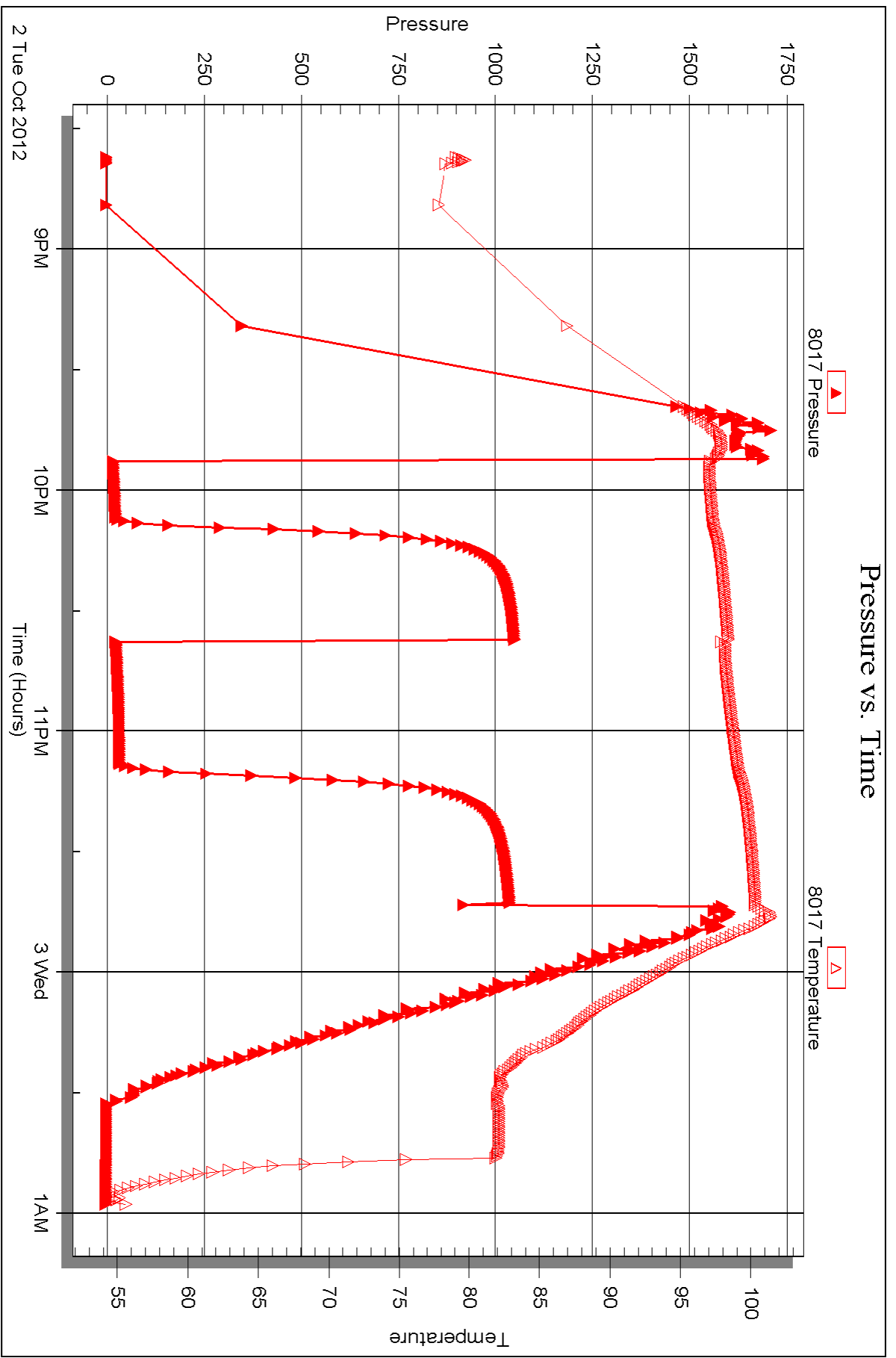
Serial #: 8017

Inside

Coral Production Corp.

Cottonwood #30-1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St. STE 1500
Denver, CO. 80202+3133

ATTN: Rick Hall

Cottonwood #30-1

30-6s-19w Rooks,KS

Start Date: 2012.10.03 @ 12:51:05

End Date: 2012.10.03 @ 17:30:50

Job Ticket #: 49322 DST #: 3

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

Printed: 2012.10.08 @ 11:05:44



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corp.
 1600 Stout St. STE 1500
 Denver, CO. 80202+3133
 ATTN: Rick Hall

30-6s-19w Rooks,KS
Cottonwood #30-1
 Job Ticket: 49322 **DST#: 3**
 Test Start: 2012.10.03 @ 12:51:05

GENERAL INFORMATION:

Formation: **KC"H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:12:30
 Time Test Ended: 17:30:50
 Interval: **3429.00 ft (KB) To 3458.00 ft (KB) (TVD)**
 Total Depth: 3458.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2085.00 ft (KB)
 2077.00 ft (CF)
 KB to GR/CF: 8.00 ft

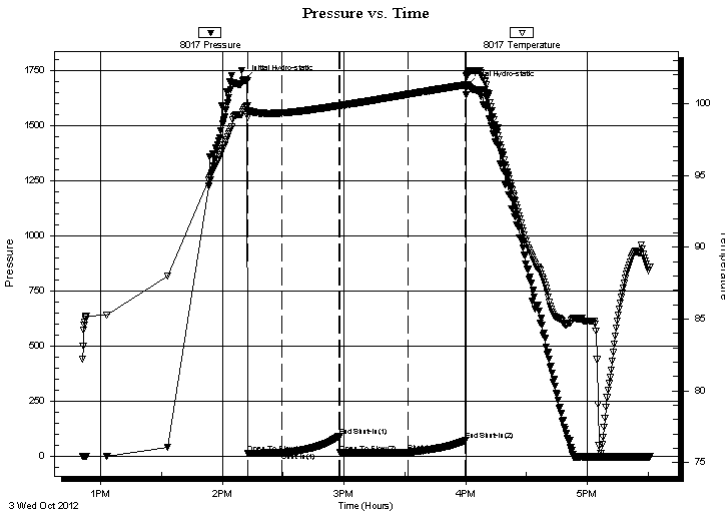
Serial #: 8017

Inside

Press @ Run Depth: 18.06 psig @ 3435.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.03 End Date: 2012.10.03 Last Calib.: 2012.10.03
 Start Time: 12:51:05 End Time: 17:30:50 Time On Btm: 2012.10.03 @ 14:11:10
 Time Off Btm: 2012.10.03 @ 16:00:30

TEST COMMENT: IF:(15min) Blow died in 4 min.
 ISl:(30min) No Return
 FF:(30min) No Blow
 FSl:(30min) No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.70	99.68	Initial Hydro-static
2	14.62	99.05	Open To Flow (1)
19	16.14	99.34	Shut-In(1)
47	91.60	99.85	End Shut-In(1)
47	15.62	99.82	Open To Flow (2)
81	18.06	100.64	Shut-In(2)
109	71.75	101.30	End Shut-In(2)
110	1678.41	101.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	OSM	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coral Production Corp.
1600 Stout St. STE 1500
Denver, CO. 80202+3133
ATTN: Rick Hall

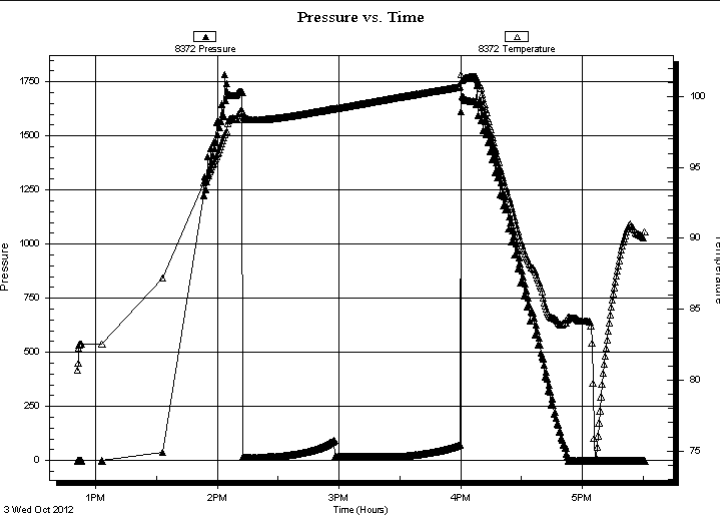
30-6s-19w Rooks,KS
Cottonwood #30-1
Job Ticket: 49322 **DST#: 3**
Test Start: 2012.10.03 @ 12:51:05

GENERAL INFORMATION:

Formation: **KC"H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:12:30
 Time Test Ended: 17:30:50
 Interval: **3429.00 ft (KB) To 3458.00 ft (KB) (TVD)**
 Total Depth: 3458.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2085.00 ft (KB)
 2077.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8372 Outside
 Press @ Run Depth: psig @ 3435.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.03 End Date: 2012.10.03 Last Calib.: 2012.10.03
 Start Time: 12:51:05 End Time: 17:30:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:(15min) Blow died in 4 min.
 ISl:(30min) No Return
 FF:(30min) No Blow
 FSl:(30min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
3.00	OSM	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp.

30-6s-19w Rooks,KS

1600 Stout St. STE 1500
Denver, CO. 80202+3133

Cottonwood #30-1

Job Ticket: 49322

DST#: 3

ATTN: Rick Hall

Test Start: 2012.10.03 @ 12:51:05

Tool Information

Drill Pipe:	Length: 3391.00 ft	Diameter: 3.80 inches	Volume: 47.57 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:	24000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	44000.00 lb
			<u>Total Volume: 47.72 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	39000.00 lb
Depth to Top Packer:	3429.00 ft			Final	39000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	29.00 ft				
Tool Length:	52.00 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			3407.00	
Shut In Tool	5.00			3412.00	
Hydraulic tool	5.00			3417.00	
Safety Joint	3.00			3420.00	
Packer	5.00			3425.00	23.00 Bottom Of Top Packer
Packer	4.00			3429.00	
Stubb	1.00			3430.00	
Perforations	5.00			3435.00	
Recorder	0.00	8017	Inside	3435.00	
Recorder	0.00	8372	Outside	3435.00	
Perforations	20.00			3455.00	
Bullnose	3.00			3458.00	29.00 Bottom Packers & Anchor

Total Tool Length: 52.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

30-6s-19w Rooks,KS

1600 Stout St. STE 1500
Denver, CO. 80202+3133

Cottonwood #30-1

Job Ticket: 49322

DST#: 3

ATTN: Rick Hall

Test Start: 2012.10.03 @ 12:51:05

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	OSM	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

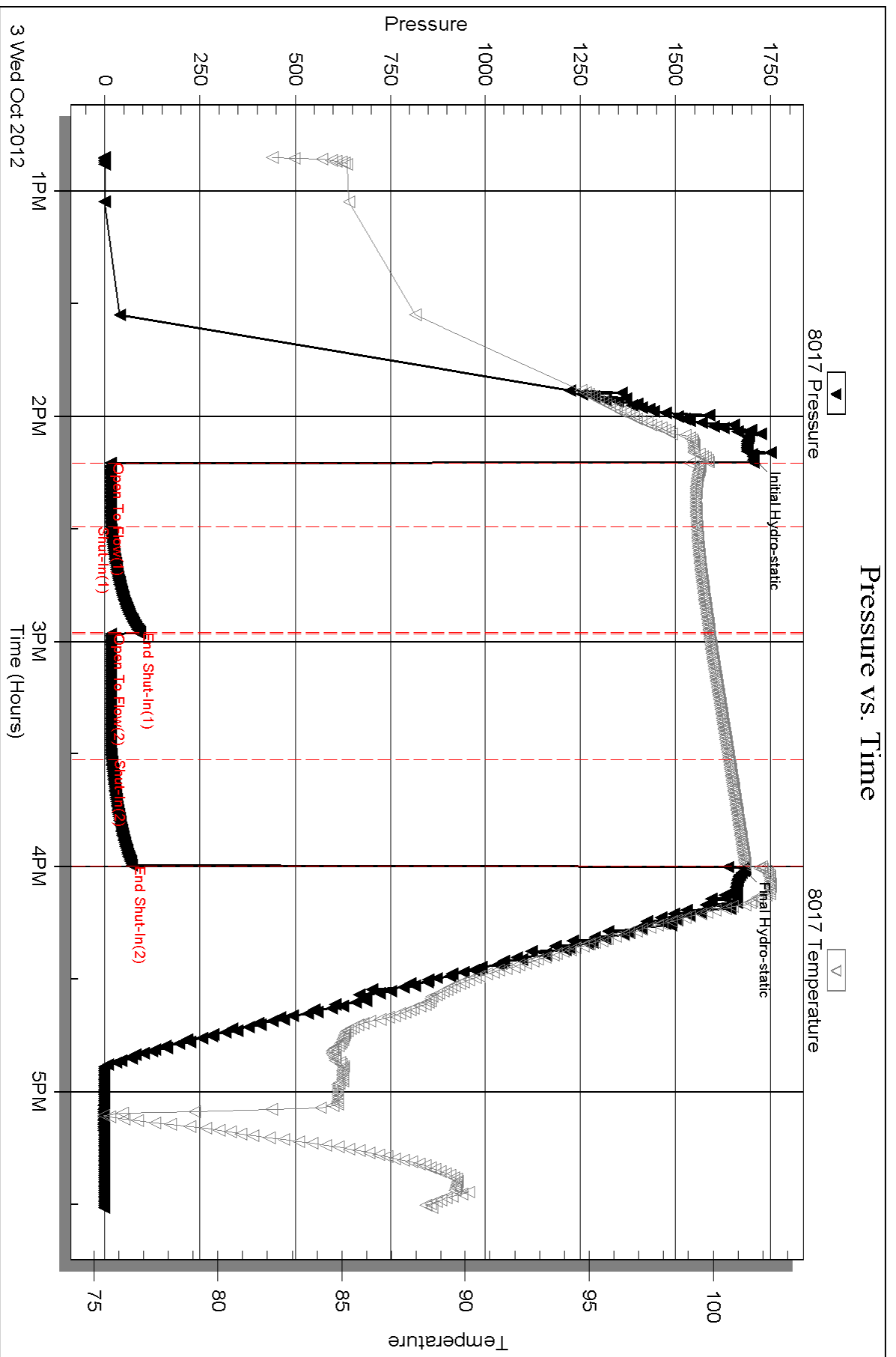
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

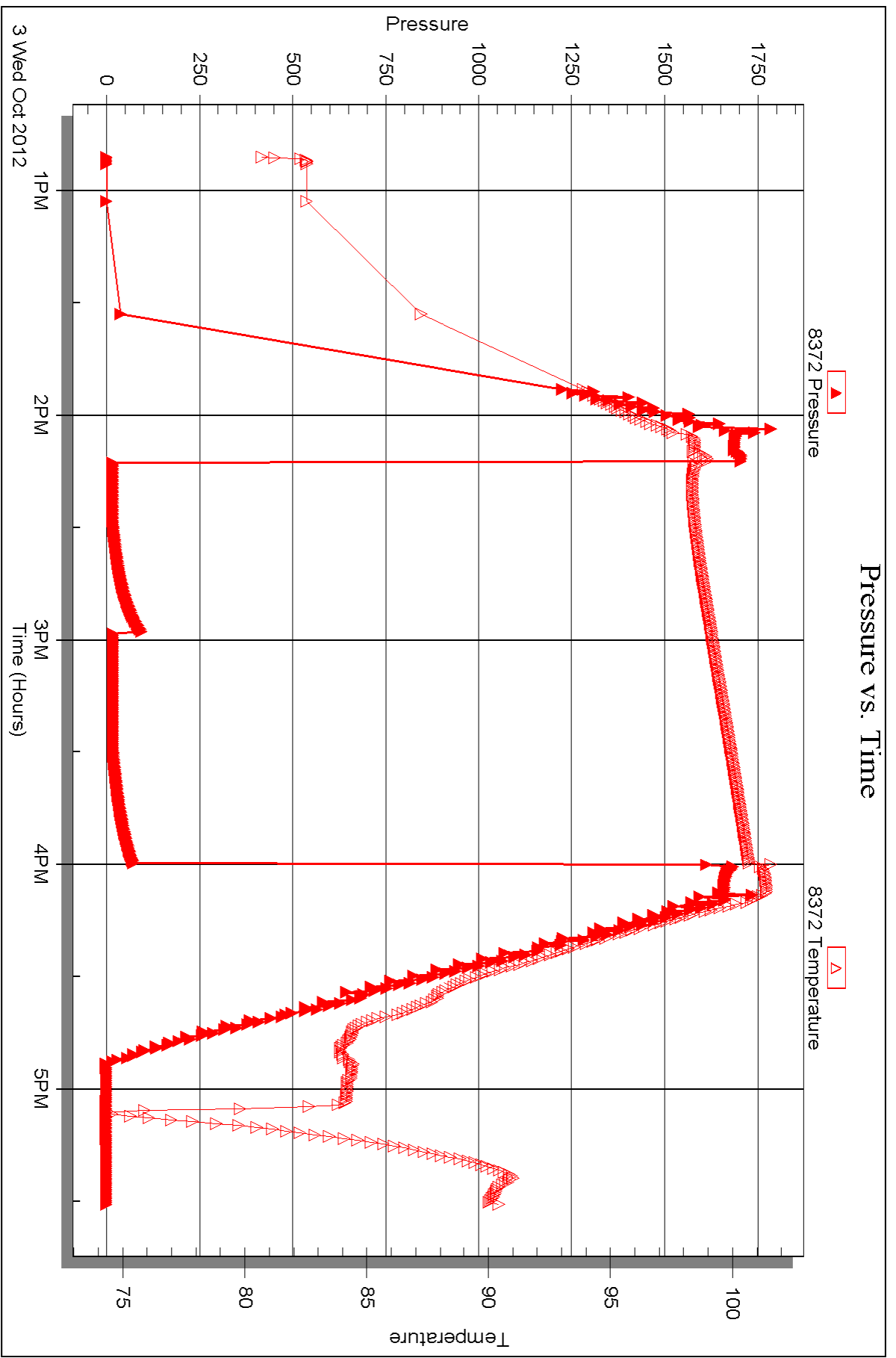


Serial #: 8372

Outside Coral Production Corp.

Cottonwood #30-1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St. STE 1500
Denver, CO. 80202+3133

ATTN: Rick Hall

Cottonwood #30-1

30-6s-19w Rooks,KS

Start Date: 2012.10.04 @ 04:07:05

End Date: 2012.10.04 @ 09:38:29

Job Ticket #: 49323 DST #: 4

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

Printed: 2012.10.08 @ 11:05:02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corp.
 1600 Stout St. STE 1500
 Denver, CO. 80202+3133
 ATTN: Rick Hall

30-6s-19w Rooks,KS
Cottonwood #30-1
 Job Ticket: 49323 **DST#: 4**
 Test Start: 2012.10.04 @ 04:07:05

GENERAL INFORMATION:

Formation: **KC "I-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:33:20
 Time Test Ended: 09:38:29
 Interval: **3462.00 ft (KB) To 3518.00 ft (KB) (TVD)**
 Total Depth: 3518.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2085.00 ft (KB)
 2077.00 ft (CF)
 KB to GR/CF: 8.00 ft

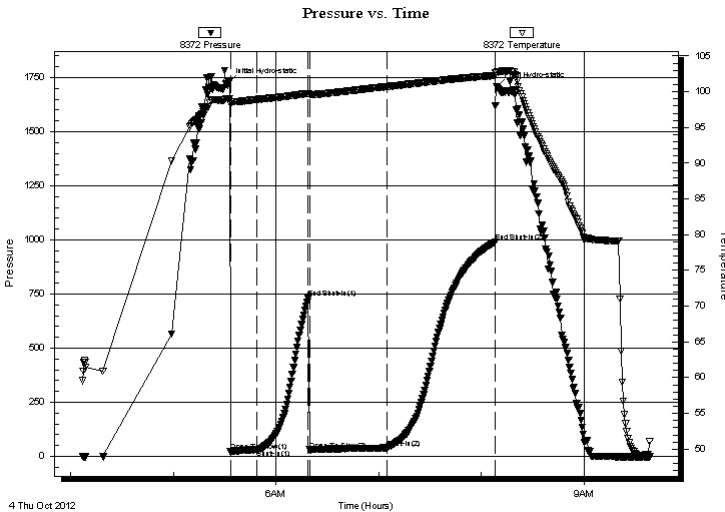
Serial #: 8372

Outside

Press @ Run Depth: 39.83 psig @ 3469.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.04 End Date: 2012.10.04 Last Calib.: 2012.10.04
 Start Time: 04:07:05 End Time: 09:38:29 Time On Btm: 2012.10.04 @ 05:32:30
 Time Off Btm: 2012.10.04 @ 08:09:00

TEST COMMENT: IF:(15min) Weak surface blow
 IS:(30min) No Return
 FF:(45min) 1" Blow
 FS:(60min) No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.28	99.06	Initial Hydro-static
1	21.12	98.26	Open To Flow (1)
17	31.11	98.92	Shut-In(1)
47	730.10	99.75	End Shut-In(1)
47	29.95	99.57	Open To Flow (2)
92	39.83	100.71	Shut-In(2)
156	990.50	102.27	End Shut-In(2)
157	1706.94	102.69	Final Hydro-static

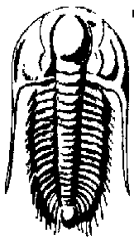
Recovery

Length (ft)	Description	Volume (bbl)
60.00	HOCGM g=5% o=45% m=50%	0.57

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coral Production Corp.
1600 Stout St. STE 1500
Denver, CO. 80202+3133
ATTN: Rick Hall

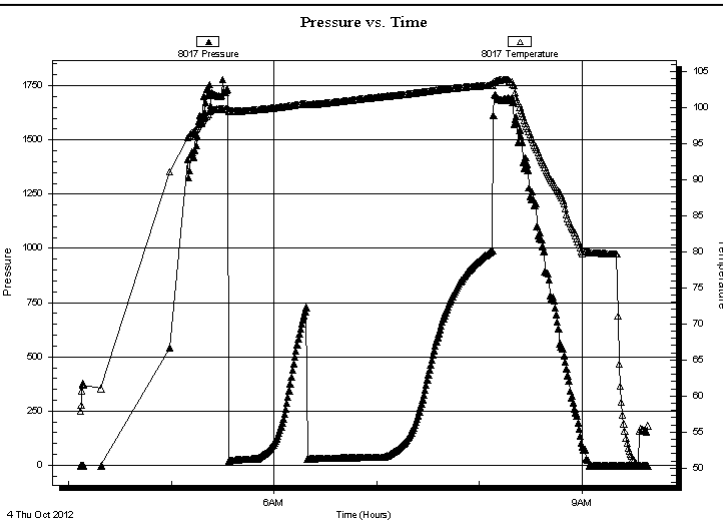
30-6s-19w Rooks, KS
Cottonwood #30-1
Job Ticket: 49323 **DST#: 4**
Test Start: 2012.10.04 @ 04:07:05

GENERAL INFORMATION:

Formation: KC "I-K"		Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)		Tester: Andy Carreira
Time Tool Opened: 05:33:20		Unit No: 39
Time Test Ended: 09:38:29		
Interval: 3462.00 ft (KB) To 3518.00 ft (KB) (TVD)	Reference Elevations:	2085.00 ft (KB)
Total Depth: 3518.00 ft (KB) (TVD)		2077.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor	KB to GR/CF:	8.00 ft

Serial #: 8017	Inside				
Press @ Run Depth: psig @ 3469.00 ft (KB)	Capacity: 8000.00 psig				
Start Date: 2012.10.04	End Date: 2012.10.04	Last Calib.: 2012.10.04			
Start Time: 04:07:05	End Time: 09:38:29	Time On Btm:			
		Time Off Btm:			

TEST COMMENT: IF:(15min) Weak surface blow
IS:(30min) No Return
FF:(45min) 1" Blow
FS:(60min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	HOCGM g=5% o=45% m=50%	0.57

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp.

30-6s-19w Rooks,KS

1600 Stout St. STE 1500
Denver, CO. 80202+3133

Cottonwood #30-1

Job Ticket: 49323

DST#: 4

ATTN: Rick Hall

Test Start: 2012.10.04 @ 04:07:05

Tool Information

Drill Pipe:	Length: 3424.00 ft	Diameter: 3.80 inches	Volume: 48.03 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: 24000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 48.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3462.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	79.00 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			3440.00	
Shut In Tool	5.00			3445.00	
Hydraulic tool	5.00			3450.00	
Safety Joint	3.00			3453.00	
Packer	5.00			3458.00	23.00 Bottom Of Top Packer
Packer	4.00			3462.00	
Stubb	1.00			3463.00	
Perforations	5.00			3468.00	
Change Over Sub	1.00			3469.00	
Recorder	0.00	8017	Inside	3469.00	
Recorder	0.00	8372	Outside	3469.00	
Drill Pipe	32.00			3501.00	
Change Over Sub	1.00			3502.00	
Perforations	13.00			3515.00	
Bullnose	3.00			3518.00	56.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

30-6s-19w Rooks,KS

1600 Stout St. STE 1500
Denver, CO. 80202+3133

Cottonwood #30-1

Job Ticket: 49323

DST#: 4

ATTN: Rick Hall

Test Start: 2012.10.04 @ 04:07:05

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	HOCGM g=5% o=45% m=50%	0.568

Total Length: 60.00 ft Total Volume: 0.568 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

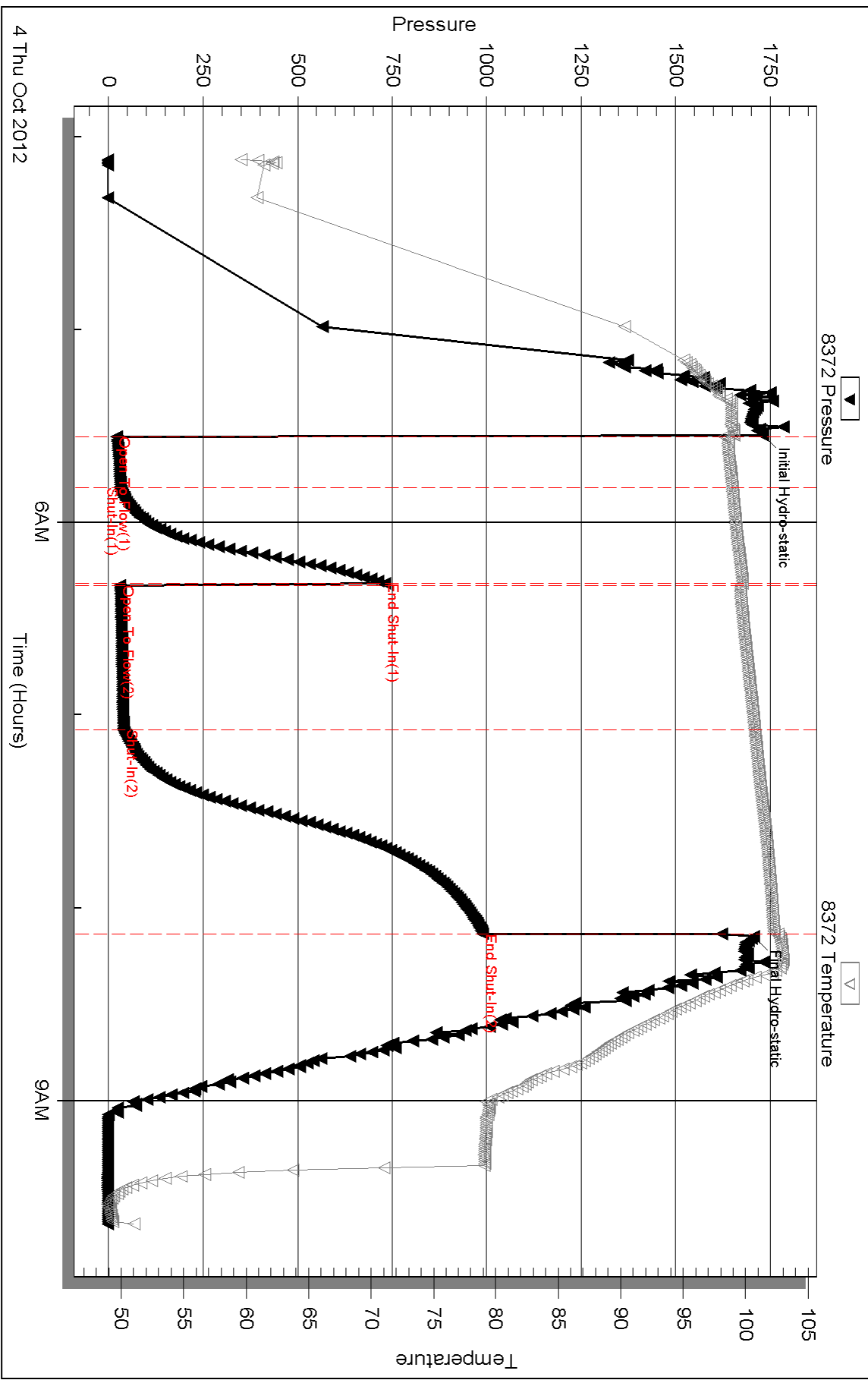
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



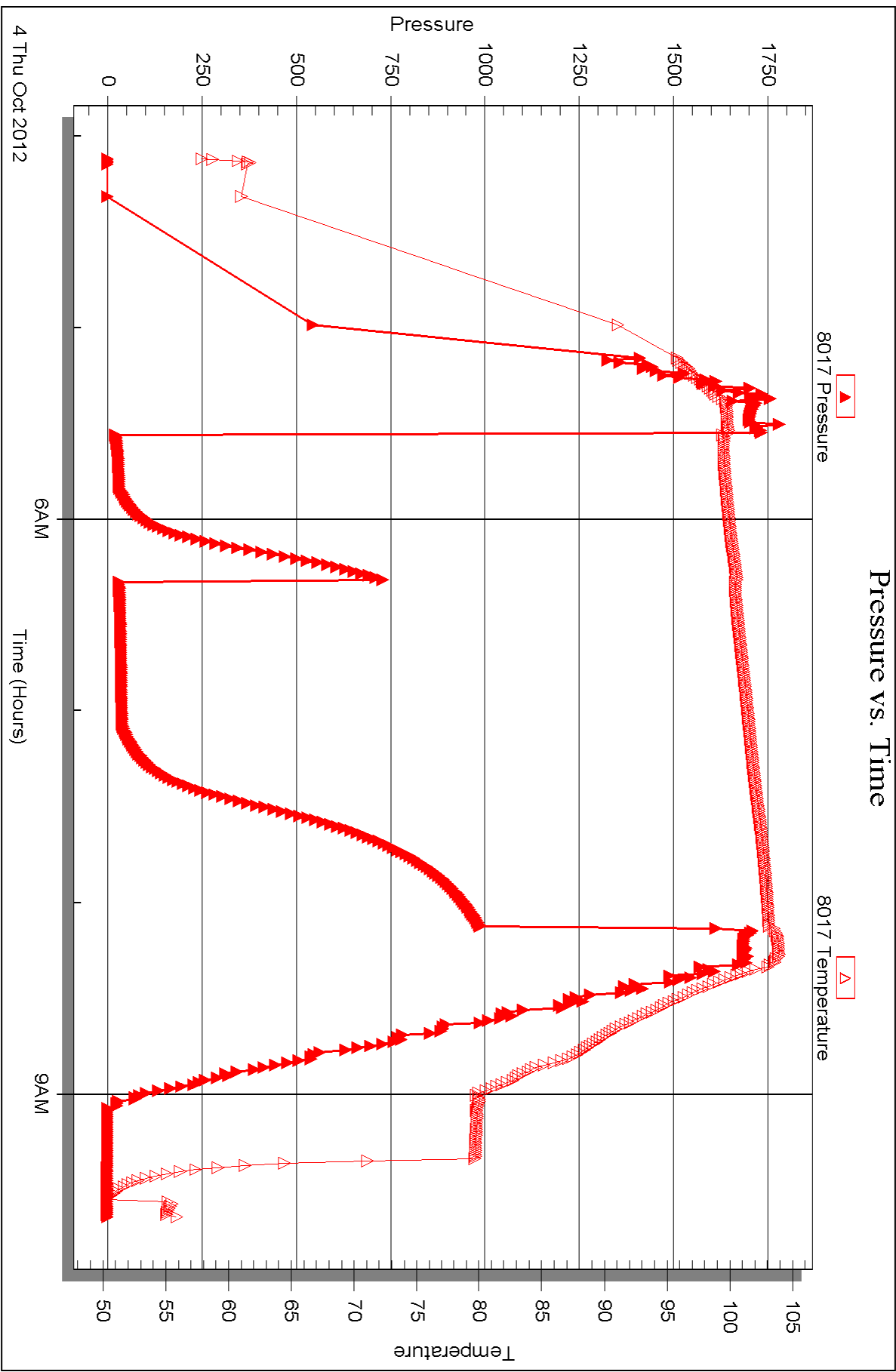
Serial #: 8017

Inside

Coral Production Corp.

Cottonwood #30-1

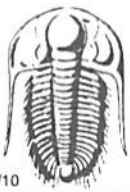
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 49323

Printed: 2012.10.08 @ 11:05:07



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49320

Well Name & No. Cottonwood #30-1 Test No. 1 Date 10-2-12
 Company CORAL PRODUCTION CORP Elevation 2085 KB 2077 GL
 Address 1600 Stout St. Suite 1500 DENVER Co. 80202+3133
 Co. Rep / Geo. Rick Hall Rig Discovery #1
 Location: Sec. 30 Twp. 6S Rge. 19W Co. ROOKS State Ks

Interval Tested 3280-3330 Zone Tested LKC "A"
 Anchor Length 50 Drill Pipe Run 3235 Mud Wt. 8.6
 Top Packer Depth 3275 Drill Collars Run 30.00 Vis 64
 Bottom Packer Depth 3280 Wt. Pipe Run 0 WL 7.6
 Total Depth 3330 Chlorides 4000 ppm System LCM 3#

Blow Description IF: 6" blow in 6min. BOB in 12min.
ISF: NO RETURN
FF: BOB in 15min.
FSI: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>60</u>	<u>5</u>	<u>95</u>		
<u>250</u>	<u>60cmw</u>	<u>5</u>	<u>10</u>	<u>50</u>	<u>35</u>
<u>395</u>	<u>MW</u>			<u>95</u>	<u>5</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

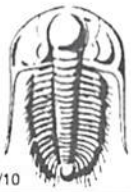
Rec Total 655' BHT 106° Gravity 36 API RW .125 @ 60 °F Chlorides 70000 ppm

(A) Initial Hydrostatic 1621 Test 1150 T-On Location 04:12
 (B) First Initial Flow 153 Jars 04:58
 (C) First Final Flow 140 Safety Joint 06:30
 (D) Initial Shut-In 841 Circ Sub 09:30
 (E) Second Initial Flow 144 Hourly Standby 11:48
 (F) Second Final Flow 323 Mileage 110RT 170.50
 (G) Final Shut-In 839 Sampler Hill city
 (H) Final Hydrostatic 1595 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 15
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 90
 Sub Total 0
 Total 1320.50
 MP/DST Disc't
 Sub Total 1320.50

Approved By _____ Our Representative [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49321

Well Name & No. Cottonwood #30-1 Test No. 2 Date 10-2-12
 Company Coral Production Corp Elevation 2085 KB 2077 GL
 Address 1600 Stout St. Suite 1500 Denver Co. 80202+3133
 Co. Rep / Geo. Rick Hall Rig Discovery #1
 Location: Sec. 30 Twp. 65 Rge. 19W Co. Rooks State Ks

Interval Tested 3346-3388 Zone Tested LKC "C-D"
 Anchor Length 42' Drill Pipe Run 3298 Mud Wt. 9
 Top Packer Depth 3341 Drill Collars Run 30 Vis 6.1
 Bottom Packer Depth 3346 Wt. Pipe Run 0 WL 7.6
 Total Depth 3388 Chlorides 800 ppm System LCM 2#

Blow Description FF: Blow died in 14 min.
ISI: NO RETURN
FF: NO BLOW
FSL: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>505m</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

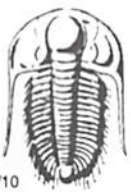
Rec Total 35' BHT 99° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1672 Test 1150 T-On Location 20:25
 (B) First Initial Flow 18 Jars _____ T-Started 20:37
 (C) First Final Flow 26 Safety Joint _____ T-Open 21:53
 (D) Initial Shut-In 1048 Circ Sub _____ T-Pulled 23:38
 (E) Second Initial Flow 27 Hourly Standby _____ T-Out 00:59
 (F) Second Final Flow 36 Mileage 110 RT 170.50 Comments _____
 (G) Final Shut-In 1036 Sampler _____ Hill City
 (H) Final Hydrostatic 1622 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 15 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1320.50
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1320.50

Approved By _____ Our Representative Andy Co

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49322

Well Name & No. Cottonwood #30-1 Test No. 3 Date 10-3-12
 Company Corn Production Corp Elevation 2085 KB 2077 GL
 Address 1600 Stout St. Suite 1500 DENVER Co. 80202-3133
 Co. Rep / Geo. Rick Nail Rig DISCOVERY #1
 Location: Sec. 30 Twp. 6S Rge. 19W Co. ROCKS State K5

Interval Tested 3429-3458 Zone Tested KC "H"
 Anchor Length 29' Drill Pipe Run 339' Mud Wt. 9.1
 Top Packer Depth 3424 Drill Collars Run 30 Vis 59
 Bottom Packer Depth 3429 Wt. Pipe Run 0 WL 8
 Total Depth 3458 Chlorides 1000 ppm System LCM 1 1/2 #

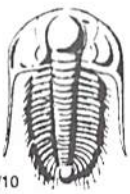
Blow Description IF: Blow died in 4min
IST: No Return
FF: No Blow
FSL: No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>05m</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 3' BHT 101° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1705 Test 1150 T-On Location 12:30
 (B) First Initial Flow 14 Jars T-Started 12:51
 (C) First Final Flow 16 Safety Joint T-Open 14:13
 (D) Initial Shut-In 91 Circ Sub T-Pulled 15:58
 (E) Second Initial Flow 15 Hourly Standby T-Out 17:31
 (F) Second Final Flow 18 Mileage 110RT 170.50 Comments _____
 (G) Final Shut-In 71 Sampler _____ Hill City
 (H) Final Hydrostatic 1678 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Initial Open 15 Extra Recorder Sub Total 0
 Initial Shut-In 30 Day Standby Total 1320.50
 Final Flow 30 Accessibility MP/DST Disc't
 Final Shut-In 30 Sub Total 1320.50

Approved By _____ Our Representative [Signature]
 TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49323

Well Name & No. Cottonwood #30-1 Test No. 4 Date 10-4-12
 Company CORAL PRODUCTION CORP Elevation 2085 KB 2077 GL
 Address 1600 Stout St. Suite 1500 DENVER Co. 80202+3133
 Co. Rep / Geo. Rick Hall Rig Discovery #1
 Location: Sec. 30 Twp. 6S Rge. 19W Co. ROOKS State KS

Interval Tested 3462-3518 Zone Tested KC "F-K"
 Anchor Length 56 Drill Pipe Run 3424 Mud Wt. 9.1
 Top Packer Depth 3457 Drill Collars Run 30.00 Vis 59
 Bottom Packer Depth 3462 Wt. Pipe Run 0 WL 8
 Total Depth 3518 Chlorides 1000 ppm System LCM 1/2#

Blow Description IF: Weak surface Blow
ISI: NO RETURN
FF: 1" blow
FST: NO RETURN

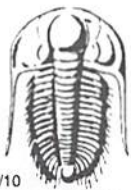
Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>HOCBM</u>	<u>5</u>	<u>45</u>		<u>50</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 102° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1729 Test 1150 T-On Location 04:07
 (B) First Initial Flow 21 Jars T-Started 04:28
 (C) First Final Flow 31 Safety Joint T-Open 05:55
 (D) Initial Shut-In 730 Circ Sub T-Pulled 08:25
 (E) Second Initial Flow 29 Hourly Standby T-Out 10:00
 (F) Second Final Flow 39 Mileage 110RT 170.50 Comments _____
 (G) Final Shut-In 990 Sampler Hill city
 (H) Final Hydrostatic 1706 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1320.50
 Accessibility MP/DST Disc't _____
 Sub Total 1320.50

Approved By _____ Our Representative [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49324

Well Name & No. Cottonwood #30-1 Test No. 5 Date 10-4-12
 Company Coral Production Corp Elevation 2085 KB 2077 GL
 Address 1600 Stout st Suite 1500 DENVER, CO. 80202+3133
 Co. Rep / Geo. Rick Hall Rig Discovery 1
 Location: Sec. 30 Twp. 6S Rge. 19W Co. Rooks State Ks.

Interval Tested 3519-3604 Zone Tested CONG / ARB
 Anchor Length 85 Drill Pipe Run 3486 Mud Wt. 9.2
 Top Packer Depth 3514 Drill Collars Run 3000 Vis 61
 Bottom Packer Depth 3519 Wt. Pipe Run 0 WL 8
 Total Depth 3604 Chlorides 1000 ppm System LCM 1 1/2 #

Blow Description WF: Weak surface blow
WST: NO RETURN
FF: Weak surface blow
FST: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Mud w/oil spks in Tool</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60' BHT 101° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1775 Test 1150 T-On Location 21:54
 (B) First Initial Flow 21 Jars T-Started 22:08
 (C) First Final Flow 33 Safety Joint T-Open 23:40
 (D) Initial Shut-In 1015 Circ Sub T-Pulled 01:25
 (E) Second Initial Flow 36 Hourly Standby T-Out 03:10
 (F) Second Final Flow 46 Mileage 110RT 170.50 Comments _____
 (G) Final Shut-In 953 Sampler _____
 (H) Final Hydrostatic 1753 Straddle _____ Ruined Shale Packer _____

Initial Open 15 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1320.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1320.50

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.